JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

SELF ASSESSMENT REPORT (SAR) FORMAT

UNDERGRADUATE ENGINEERING PROGRAMS (TIER-II)

FIRST TIME ACCREDITATION

(Applicable for all the programs, except those granted full accreditation for 5 years as per Jan 2013 Manual)

NBCC Place, 4th Floor East Tower, Bhisham Pitamah Marg,
Pragati Vihar New Delhi 110003
P: +91(11)24360620-22, 24360654
Fax: +91(11) 24360682
E-mail: membersecretary@nbaind.org
Website: www.nbaind.org
(December, 2015)

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Part A: Institutional Information

1. **Name and Address of the Institution** : Jaipur Engineering College and Research Centre, Jaipur
   Shri Ram Ki Nangal, Via Sitapura, RIICO, OPP. EPIP Gate, Tonk Road, Jaipur 302022

2. **Name and Address of the Affiliating University** : Rajasthan Technical University, Kota
   Akelgarh Rawatbhata Road, Kota 324010

3. **Year of establishment of the Institution** : 2000

4. **Type of Institution:**

University	
Deemed University	
Government Aided	
Autonomous	
Affiliated	Yes

5. **Ownership Status:**

Central Government	
State Government	
Government Aided	
Self Financing	Yes
Trust	
Society	
Section 25 Company	
Any Other (Please Specity)	

6. Other Academic Institutions of the Trust/Society /Company etc., if any

Name of the Institutions (S)	Year of Establishment	Programs of Study	Location
JECRC UDML College of Engineering	Establishment 2007 Year of Closure 2014	CE, CSE, ECE, IT, ME	Kukas, Jaipur
JECRC University	2012	School of Engineering, School of Law, School of Design, School of Hotel Management, School of Management, School of Science and Humanities.	Goner Road, Ramchandrapura, Jaipur

Table A.6: List of Trust/Society

7. Details of all the programs being offered by the Institution Under Consideration:

1st Shift

S. No	Program Name (B.Tech)	Year	Intake	Increase Intake, if any	Year of Increase	AICTE approval	Accreditation Status
1	Electrical Engineering-60 Electronics & Communication Engineering-60 Computer Science and Engineering-60	2000	180	-	-	13.07.2000	-
2	Electrical Engineering-60 Electronics & Communication Engineering-60 Computer Science and Engineering-60 Information Technology-60	2001	240	IT-60	2001	14.06.2001	-
3	Electrical Engineering-60 Electronics & Communication Engineering-60 Computer Science and Engineering-90 Information Technology-60 Biotech-30	2002	300	Biotech-30 CSE-90	2002	20.06.2002	-
4	Electrical Engineering-60 Electronics & Communication Engineering-60	2003	360	ME-60	2003	12.05.2003	-

	Computer Science and Engineering-90 Information Technology-60 Biotech-30 Mechanical Engineering-60						
5	Electrical Engineering-60 Electronics & Communication Engineering-90 Computer Science and Engineering-120 Information Technology-60 Biotech-30 Mechanical Engineering-60	2004	420	ECE-30 CSE-30	2004	25.06.2004	-
6	Electrical Engineering-60 Electronics & Communication Engineering-90 Computer Science and Engineering-120 Information Technology-60 Biotech-30 Mechanical Engineering-60	2005	420	-	-	27.06.2005	-
7	Electrical Engineering-60 Electronics & Communication Engineering-90 Computer Science and Engineering-120 Information Technology-60 Biotech-30 Mechanical Engineering-60	2006	420	-	-	20.06.2006	-
8	Electrical Engineering-60 Electronics & Communication Engineering-90 Computer Science and Engineering-120 Information Technology-60 Biotech-30 Mechanical Engineering-60	2007	420	-	-	21.05.2007	-
9	Electrical Engineering-30	2008	420	ECE-	-	22.07.2008	-

	Electronics & Communication Engineering-120 Computer Science and Engineering-120 Information Technology-90 Mechanical Engineering-60			30 IT-30 **Decrease-** EE-30 Biotech-30			
10	Civil Engineering-60 Electrical Engineering-60 Electronics & Communication Engineering-120 Computer Science and Engineering-120 Information Technology-90 Mechanical Engineering-90	2009	540	EE-30 ME-30 CE-60	2009	23.08.2010	2 Branch (CSE & ECE) dated 02.03.2009
11	Civil Engineering-60 Electrical Engineering-60 Electronics & Communication Engineering-120 Computer Science and Engineering-120 Information Technology-90 Mechanical Engineering-90	2010	540	-	-	23.08.2010	2 Branch (CSE & ECE) dated 02.03.2009
12	Civil Engineering-60 Electrical Engineering-60 Electronics & Communication Engineering-180 Computer Science and Engineering-120 Information Technology-90 Mechanical Engineering-90	2011	600	ECE-60	2011	01.09.2011	2 Branch (CSE & ECE) dated 02.03.2009
13	Civil Engineering-120 Electrical Engineering-60 Electronics & Communication Engineering-240 Computer Science and Engineering-120 Information Technology-90	2012	750	CE-60 ECE-60 ME-30	2012	10.05.2012	-

	Mechanical Engineering-120						
14	Civil Engineering-120 Electrical Engineering-120 Electronics & Communication Engineering-240 Computer Science and Engineering-180 Information Technology-90 Mechanical Engineering-120	2013	870	EE-60 CSE-60	2013	19.03.2013	-
15	Civil Engineering-120 Electrical Engineering-120 Electronics & Communication Engineering-240 Computer Science and Engineering-180 Information Technology-90 Mechanical Engineering-120	2014	870	-	-	02.07.2014	-
16	Civil Engineering-120 Electrical Engineering-120 Electronics & Communication Engineering-240 Computer Science and Engineering-180 Information Technology-90 Mechanical Engineering-120	2015	870	-	-	07.04.2015	-
17	Civil Engineering-120 Electrical Engineering-120 Electronics & Communication Engineering-240 Computer Science and Engineering-180 Information Technology-90 Mechanical Engineering-120	2016	870	-	-	05.04.2016	-
18	Civil Engineering-120 Electrical Engineering-120 Electronics & Communication Engineering-240 Computer Science and Engineering-180	2017	870	-	-	30.03.2017	-

	Information Technology-90						
	Mechanical Engineering-120						
19	Civil Engineering-120	2018	870	-	-	04.04.2018	CSE, ME, ECEare Eligible and applying 1st time. CE, EE ,IT- Eligible but not applied
	Electrical Engineering-120						
	Electronics & Communication Engineering-240						
	Computer Science and Engineering-180						
	Information Technology-90						
	Mechanical Engineering-120						

Table A.7a:1st Shift Intake

2ndShift

S. No	Program Name (B.Tech)	Year of Start	Intake	Increase Intake, if any	Year of Increase	AICTE approval	Accreditation
1	Mechanical Engineering-60	2012	60	-	-	10.05.2012	-
2	Computer Science and Engineering-60	2013	120	60	2013	19.03.2013	-
	Mechanical Engineering-60						
3	Computer Science and Engineering-60	2014	120	-	-	02.07.2014	-
	Mechanical Engineering-60						
4	Computer Science and Engineering-60	2015	120	-	-	07.04.2015	-
	Mechanical Engineering-60						
5	Computer Science and Engineering-60	2016	120	-	-	05.04.2016	-
	Mechanical Engineering-60						
6	Computer Science and Engineering-60	2017	120	-	-	30.03.2017	-
	Mechanical Engineering-60						
7	Computer Science and Engineering-60	2018	120	-	-	04.04.2018	CS &ME- Eligible but not applied
	Mechanical Engineering-60						

Table A.7b:2nd Shift Intake

Write Applicable One:

- Applying first time
- Granted Provisional Accreditation for two/three years for the period (specify period)
- Granted accreditation for 5/6 years for the period (specify period)
- No accredited (Specify visit dates, year)
- Withdrawn (Specify vision dates, year)
- Not eligible for accreditation
- Eligible but not applied

8. Program to be Considered for Accreditation vide this application:

S. No	Program name
1	Computer Science and Engineering
2	Electronics & Communication Engineering
3	Mechanical Engineering

Table A.8: List of Accreditation vide Application

9. Total Number of employees in the Institution:

A. Regular* Employee (Faculty and Staff)

Items		CAY P1 (2018-19)	CAY		CAYm1		CAYm2	
		No of Faculty	Min	Max	Min	Max	Min	Max
Faculty in Engineering	M	122	120	132	114	129	102	117
	F	58	57	71	56	61	39	61
Faculty in Math, Science & Humanities	M	10	9	14	13	17	15	17
	F	18	20	25	24	29	21	28
Non-Teaching Staff	M	111	91	106	87	100	81	93
	F	13	12	14	12	13	9	12

Table A.9a: Regular* Employee (Faculty and Staff)

A. Contractual Staff Employees (Faculty and Staff): (Non Covered in Table A)

Items		CAY P1 (2018-19)	CAY		CAYm1		CAYm2	
		No of Faculty	Min	Max	Min	Max	Min	Max
Faculty in Engineering	M	0	7	7	7	7	6	6
	F	0	0	0	0	0	0	0
Faculty in Math, Science & Humanities	M	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0
Non-Teaching Staff	M	1	0	0	0	0	0	0
	F	0	0	0	0	0	0	0

Table A.9b:Contractual Staff Employees (Faculty and Staff)

10. Total Number of Engineering Students:

Item	CAY P1 (2018-19)	CAY	CAYm1	CAYm2
Total No. of boys	3312	3457	3499	3410
Total No. of Girls	686	750	811	815
Total No. of Students	3998	4207	4310	4225

Table A.9c: Total Number of Engineering Students

11. Vision of the Institution:

To become a renowned centre of outcome based learning and work toward academic, professional, cultural and social enrichment of the lives of individuals and communities.

12. Mission of the Institution:

M1: Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.

M2: Identify, based on informed perception of Indian, regional and global needs,theareas of focus and provide platform to gain knowledge and solutions.

M3: Offer opportunities for interaction between academia and industry.

M4: Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

13. Contact Information of the Head of the Institution and NBA Coordinator, If designated:

1. Name : Dr. Vinay Kumar Chandna
2. Designation : Principal
3. Mobile No. : 9891406784
4. Email ID : principal@jecrcmail.com

14. NBA Coordinator, if designated:

1. Name : Mr. Manish Jain
2. Designation : Dy. Director (Special Projects)
3. Mobile No. : 7229823455
4. Email ID : dydirector.sp@jecrc.ac.in

PART B: Criteria Summary

Name of the program: COMPUTER SCIENCE AND ENGINEERING

Criteria No.	Criteria	Mark/Weightage
	Program Level Criteria	
1.	Vision, Mission and Program Educational Objectives	60
2.	Program Curriculum and Teaching – Learning Processes	120
3.	Course Outcomes and Program Outcomes	120
4.	Students' Performance	150
5.	Faculty Information and Contributions	200
6.	Facilities and Technical Support	80
7.	Continuous Improvement	50
	Institute Level Criteria	
8.	First Year Academics	50
9.	Student Support Systems	50
10.	Governance, Institutional Support and Financial Resources	120
	Total	**1000**

CRITERION 1
Vision, Mission and Program Educational Objectives (60)

CRITERION 1	Vision, Mission and Program Educational Objectives	60

1. VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60)

1.1 State the Vision and Mission of Department and Institute (5)

(Vision statement typically indicates aspirations and Mission Statement states the broad approach to achieve aspirations)

(Here Institute Vision and Mission statements have been asked to ensure consistency with the department Vision and Mission statements; the assessment of the Institute Vision and Mission will be taken up in Criterion 10)

VISION OF COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

To become renowned centre of excellence in Computer Science and Engineering and make competent engineers & professionals with high ethical values prepared for lifelong learning.

MISSION OF COMPUTER SCIENCE& ENGINEERING DEPARTMENT

M1: To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.

M2: To provide opportunities for interaction between academia and industry.

M3: To provide platform for lifelong learning by accepting the change in technologies.

M4: To develop aptitude of fulfilling social responsibilities.

VISION OF JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

To become a renowned center of outcome based learning and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

MISSION OF JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

M1: Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.

M2: Identify, based on informed perception of Indian, regional and global needs, the areas of focus and provide platform to gain knowledge and solutions.

M3: Offer opportunities for interaction between academia and industry.

M4: Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

Consistency of Institute Vision with the Department Vision

Departmental Vision → / Institute Vision ↓	To become renowned centre of excellence in Computer Science and Engineering and make competent engineers & professionals with high ethical values prepared for lifelong learning.
To become a renowned center of outcome based learning and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.	H

Table B.1.1a: Mapping of Institute Vision with Department Vision

Consistency of Institute Mission with the Department Mission

Departmental Mission → / Institute Mission ↓	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies	To develop aptitude of fulfilling social responsibilities
Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.	H	H	H	M
Identify, based on informed perception of Indian, regional and global needs, the areas of focus and provide platform to gain knowledge and solutions.	H	H	H	H
Offer opportunities for interaction between academia and industry.	H	H	H	M
Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.	H	H	H	H

Table B.1.1b: Mapping of Institute Mission with Department Mission

Justification:

The above table shows the consistency of Mission of Institute with Mission of the department.

If all the keywords of Mission of Institute are found consistent with the Mission of the Department then High (H) is marked. If some of the keywords of Mission of Institute are found moderately consistent with the Mission of the Department then Medium(M) is marked. If some of the keywords of Mission of Institute are foundconsistent with the Mission of the Department then Low (L) is marked.

After taking the feedback from all the faculty members of the department if the consistency found is above 90% then (H) is marked. If consistency is found between 60-90% then (M) is marked and if <60% then the particular block is marked Low (L).

Why High:

If (✓) is marked in all blocks i.e. all the keywords of Mission of the Institute are found consistent with the Mission of the Department so it must be rated high.

Why Medium:

If ✓ is marked in 50% or above blocks i.e. Mission of the Institute is moderately consistent with the Mission of the Department.

Why Low:

If ✓ is marked in less than 50% i.e. Mission of the Institute is found inconsistent with the Mission of the Department.

Departmental Mission ⇨ / Institute Mission M1 Keywords ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies	To develop aptitude of fulfilling social responsibilities
Evaluation of Learning Outcomes.	✓	✓	✓	
Research aptitude and projects	✓	✓	✓	✓

Table B.1.1c: Justification of mapping of Institute Mission M1 with Department Mission

Departmental Mission ⇨ / Institute Mission M2 Keywords ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies	To develop aptitude of fulfilling social responsibilities
Informed perception of Indian, regional and global needs	✓	✓	✓	✓
Platform to gain knowledge and solutions.	✓	✓	✓	✓

Table B.1.1d: Justification of mapping of Institute Mission M2 with Department Mission

Departmental Mission ⇨ / Institute Mission M3 Keywords ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies	To develop aptitude of fulfilling social responsibilities
Academic Institute interaction	✓	✓	✓	
Interaction Opportunities	✓	✓	✓	✓

Table B.1.1e: Justification of mapping of Institute Mission M3 with Department Mission

Departmental Mission ⇨ / Institute Mission M4 Keywords ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies	To develop aptitude of fulfilling social responsibilities
Develop human potential to its fullest	✓	✓	✓	✓
Intellectually capable and imaginatively leaders	✓	✓	✓	✓

Table B.1.1f: Justification of mapping of Institute Mission M4 with Department Mission

1.2 State the Program Educational Objectives (PEOs)(5)

(State the PEOs (3 to 5) of program seeking accreditation)

PEO1: To provide students with the fundamentals of engineering sciences with more emphasis in Computer Science and Engineering by way of analyzing and exploiting engineering challenges.

PEO2: To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems in Computer Science and Engineering

PEO3: To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues for Computer Science and Engineering.

PEO4: To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career in Computer Science and Engineering.

PEO5: To prepare students to excel in Industry and Higher education by Educating Students along with high moral values and knowledge in Computer Science and Engineering.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

(Describe where (Website, Curricula, and Posters etc.) the Vision, Mission and PEOs are published and detail the process which ensures awareness among internal and external stakeholders with effective process implementation.)
(Internal stakeholders may include Management, Governing Board Members, faculty, support staff, students etc. and external stakeholders may include employers, industry, alumni, funding agencies, etc.)

- College Website : www.jecrc.in
- Board Room
- Board of Governance
- Departmental Magazine/News Letter
- College Magazine
- Department Library
- Faculty Course File
- HOD Office and Staff Rooms
- Notice Boards
- Laboratories
- Class Rooms
- Placement Office
- Alumni Connect Cell
- Professional Bodies(IEEE, IETE, CSI)
- Industry
- Parents

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the Program (25)

(*Articulate the process involved in defining the Vision and Mission of the department and PEOs of the program.*)

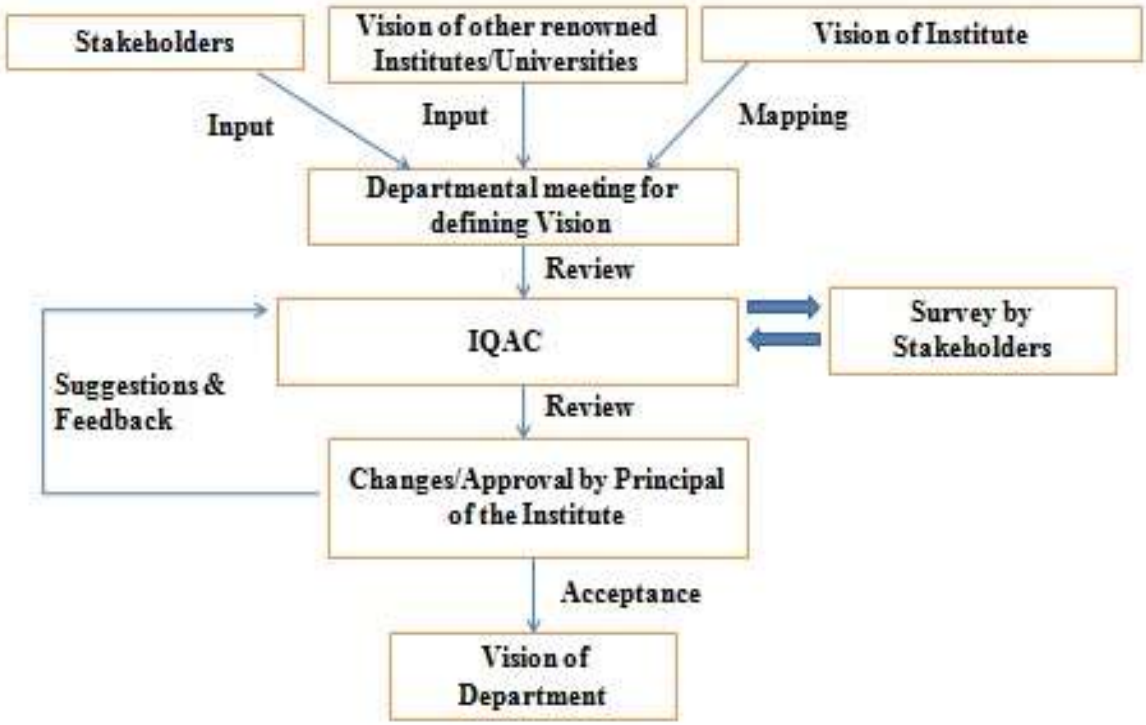


Figure1.4a: Process for defining Vision of the Department

With the active participation of HOD, Internal Quality Assurance Committee, faculty members and staff along with the continuous feedback from stakeholders, the Vision and Mission statement of the department was developed in alignment with Vision and Mission of the Institute.

- These statements are discussed further among faculty members before finalization.
- These statements are discussed among students also before finalization.
- The new Vision and Mission statements are sent to the Internal Quality Assurance Committee for changes.
- Finally the Vision and Mission are approved by the Principal of Institution.

Sample Vision feedback forms

Jaipur Engineering college & Research Centre,Jaipur
Department of Computer science and engineering
Jaipur Engineering college & Research Centre,Jaipur
Vision Evaluation Form

S.N.	Vision	5	4	3	2	1
1	To provide excellent technical education in computer science and engineering and produce competent engineers and Professionals with high ethical values prepared for life long learning		✓			
2	To impart outcome based education for emerging technologies in the field of computer science & engineering for transforming students in to socially responsible, technically competent and ethical computer engineering professionals.	✓				
3	To emerge as a "centre for excellence" offering technical Education and research Opportunities of very high standards to students, develop the total personality of the individual, and instill high levels of discipline and strive to set global standards, making our student technologically superior and ethically strong, who in turn shall contribute to the advancement of society and humankind.		✓			
4	To become renowned Centre of excellence in computer science and engineering and make competent engineers & professionals with high ethical values prepared for lifelong learning.	✓				

Saurabh Agarwal

Name & Signature

JECRC Student

Designation & Organization

Vision Feedback Form Student

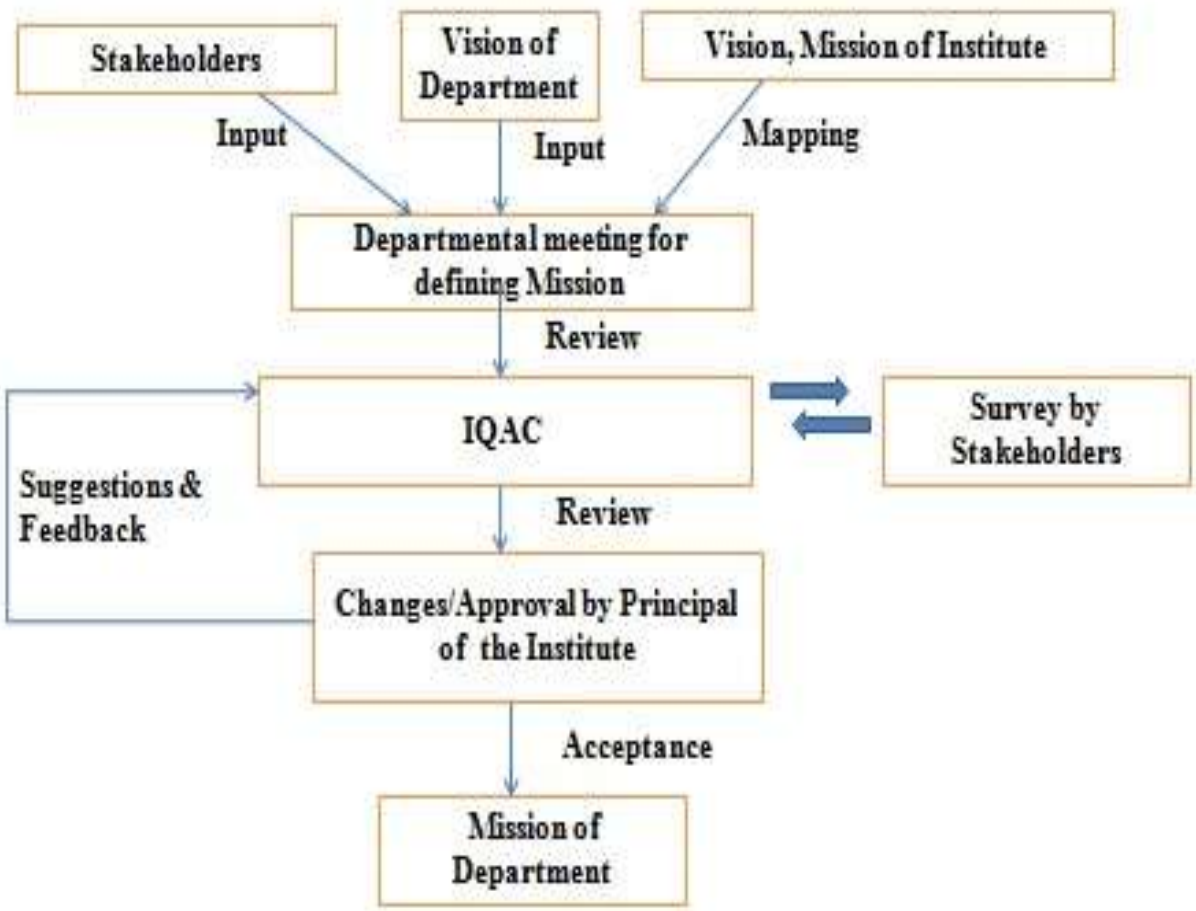
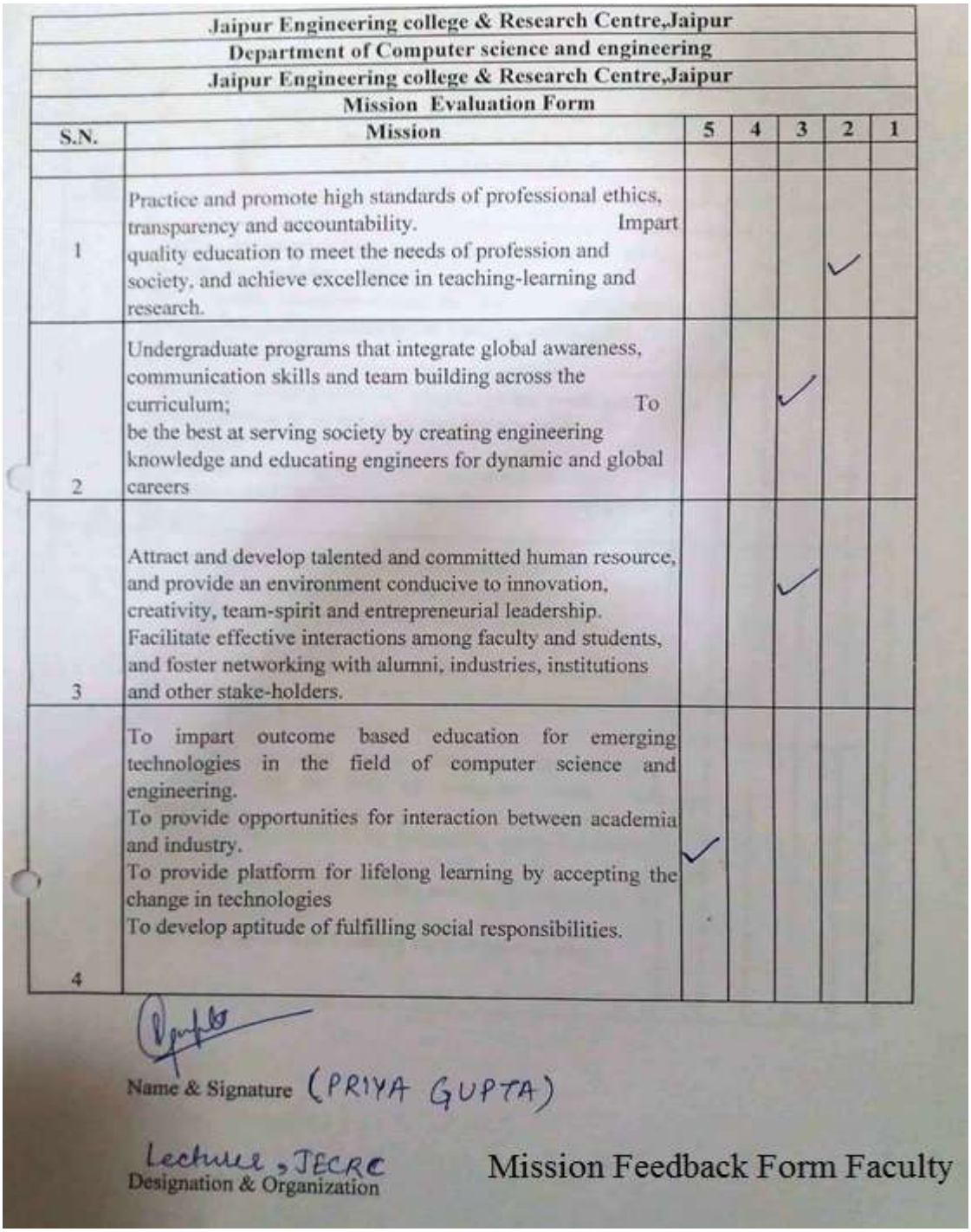


Figure 1.4b: Process for defining Mission of the Department

Sample Mission Feedback Forms



Jaipur Engineering college & Research Centre,Jaipur
Department of Computer science and engineering
Jaipur Engineering college & Research Centre,Jaipur
Mission Evaluation Form

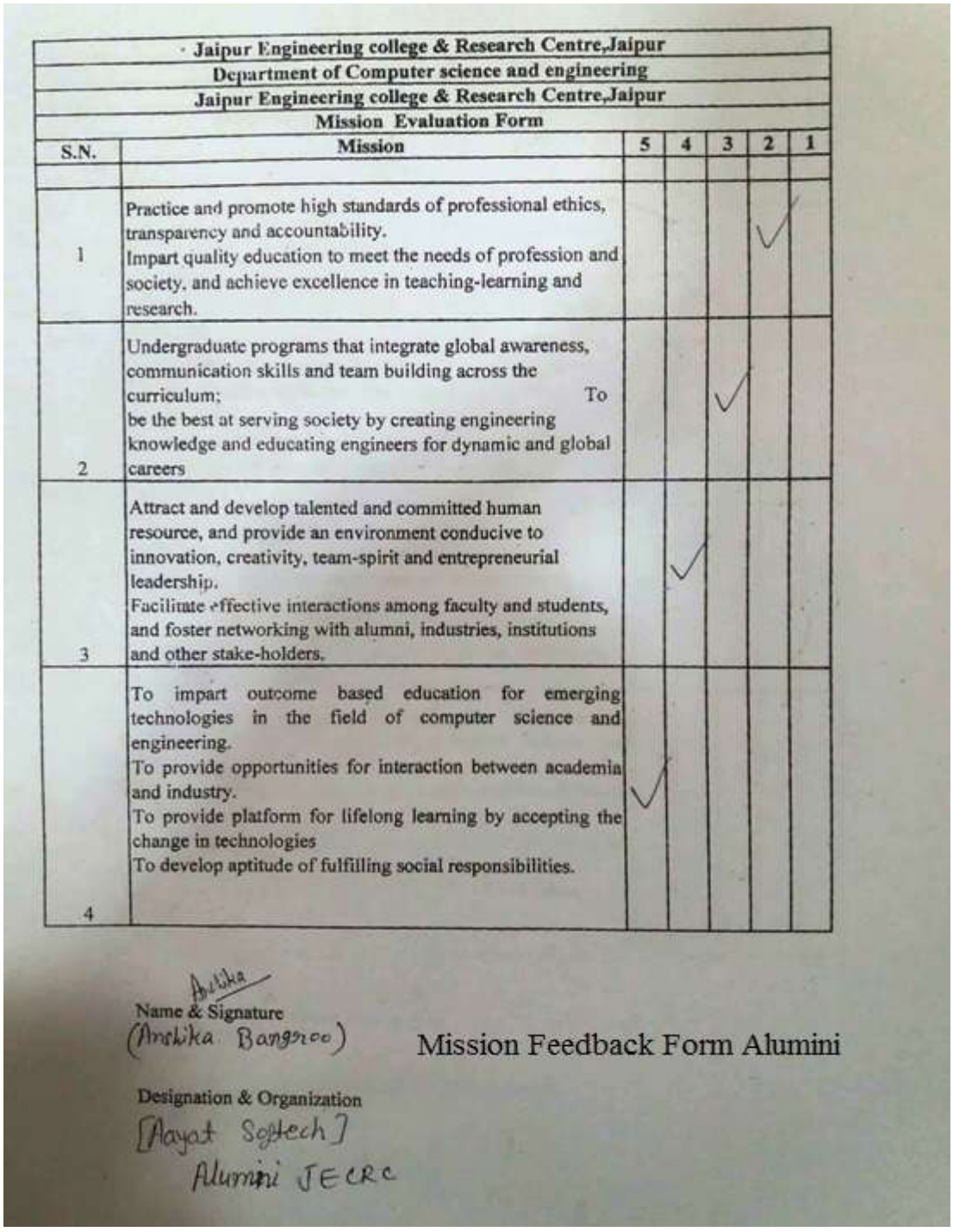
S.N.	Mission	5	4	3	2	1
1	Practice and promote high standards of professional ethics, transparency and accountability. Impart quality education to meet the needs of profession and society, and achieve excellence in teaching-learning and research.				✓	
2	Undergraduate programs that integrate global awareness, communication skills and team building across the curriculum; To be the best at serving society by creating engineering knowledge and educating engineers for dynamic and global careers			✓		
3	Attract and develop talented and committed human resource, and provide an environment conducive to innovation, creativity, team-spirit and entrepreneurial leadership. Facilitate effective interactions among faculty and students, and foster networking with alumni, industries, institutions and other stake-holders.			✓		
4	To impart outcome based education for emerging technologies in the field of computer science and engineering. To provide opportunities for interaction between academia and industry. To provide platform for lifelong learning by accepting the change in technologies To develop aptitude of fulfilling social responsibilities.	✓				

Name & Signature (PRIYA GUPTA)

Lecturer, JECRC
Designation & Organization

Mission Feedback Form Faculty

Mission Feedback Form Faculty



Jaipur Engineering college & Research Centre,Jaipur
Department of Computer science and engineering
Jaipur Engineering college & Research Centre,Jaipur
Mission Evaluation Form

S.N.	Mission	5	4	3	2	1
1	Practice and promote high standards of professional ethics, transparency and accountability. Impart quality education to meet the needs of profession and society, and achieve excellence in teaching-learning and research.				✓	
2	Undergraduate programs that integrate global awareness, communication skills and team building across the curriculum; To be the best at serving society by creating engineering knowledge and educating engineers for dynamic and global careers			✓		
3	Attract and develop talented and committed human resource, and provide an environment conducive to innovation, creativity, team-spirit and entrepreneurial leadership. Facilitate effective interactions among faculty and students, and foster networking with alumni, industries, institutions and other stake-holders.		✓			
4	To impart outcome based education for emerging technologies in the field of computer science and engineering. To provide opportunities for interaction between academia and industry. To provide platform for lifelong learning by accepting the change in technologies To develop aptitude of fulfilling social responsibilities.	✓				

Name & Signature
(Anshika Bangroo)

Designation & Organization
[Nayat Softech]
Alumni JECRC

Mission Feedback Form Alumini

Mission Feedback Form Alumni

PEOs are the characteristics of graduates of a program, which enable the students to become successful professionals in their field. The department has documented measurable PEOs for its Bachelor of Technology in Computer Science Engineering programmed taking into account the program's constituencies and the mission of college. The PEOs are established in the light of the vision and mission statements of the department.

Our process for establishing and revising Program Educational Objectives (PEOs) is depicted in Figure 1.4c below. Vision and Mission of the Institute, Department and Graduate attributes recommended by NBA are taken as directorial factors in forming the PEOs. Stakeholder inputs are obtained through extensive surveys with follow-up telephone calls by the Department HOD and associated faculties.

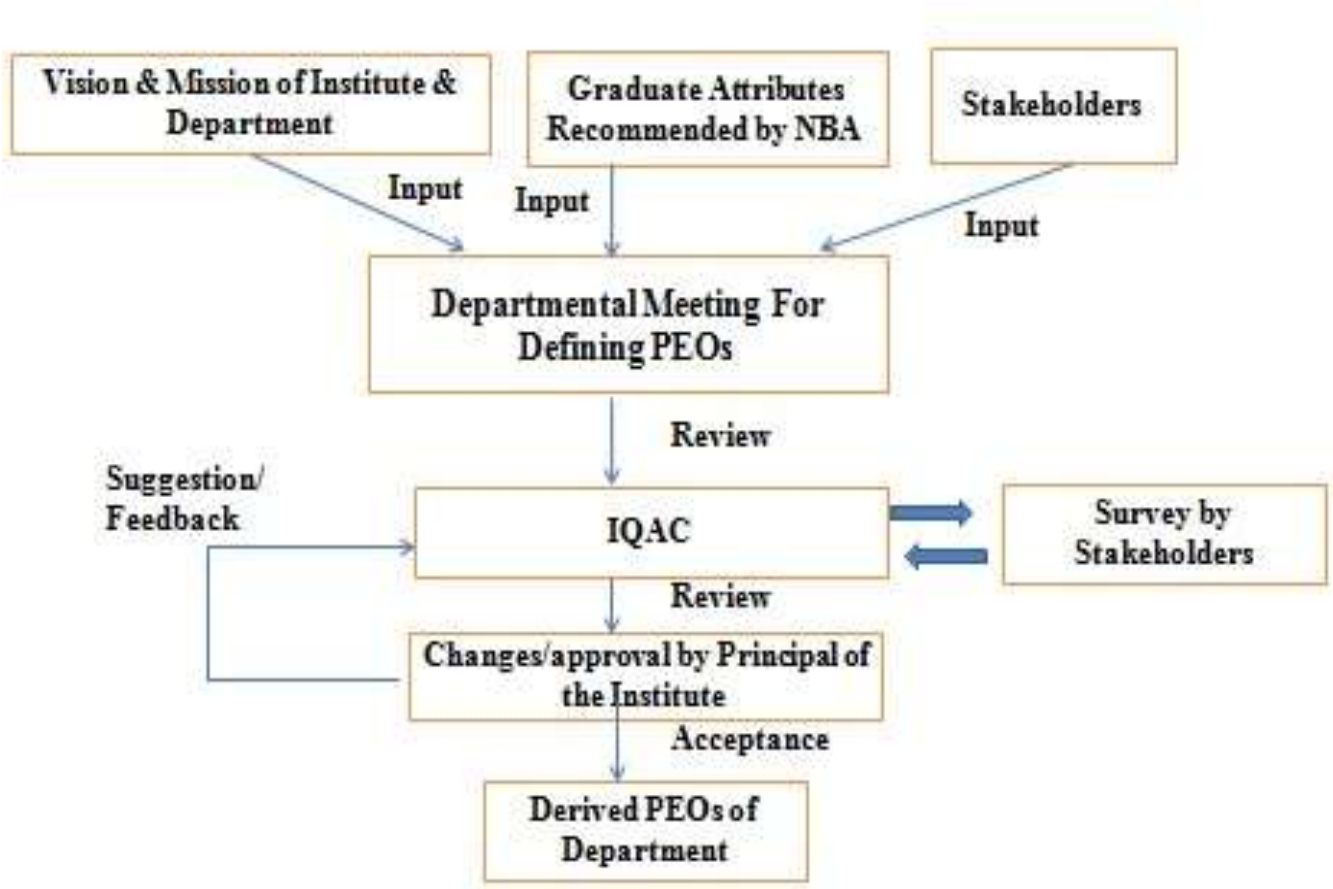
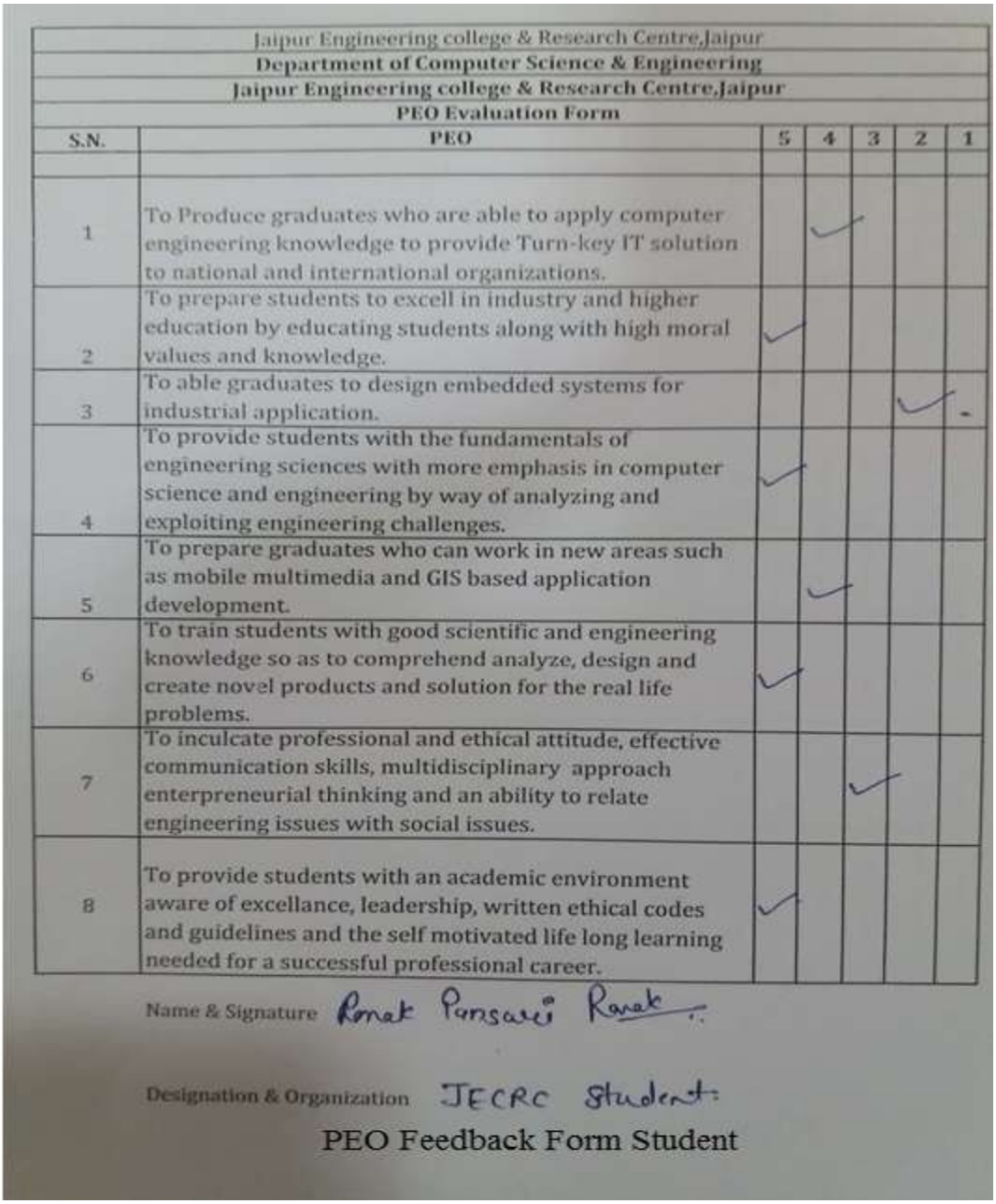


Figure 1.4c: Process for defining PEOs of Department

Stakeholder inputs to our program educational objectives are obtained in a number of traditional ways by the Department HOD & associated faculties. These feedbacks are condensed and presented to IQAC at the faculty meeting and the final report is sent toPrincipal of the Institution for review and acceptance.

PEOs Feedback Form



Jaipur Engineering college & Research Centre,Jaipur
Department of Computer Science & Engineering
Jaipur Engineering college & Research Centre,Jaipur
PEO Evaluation Form

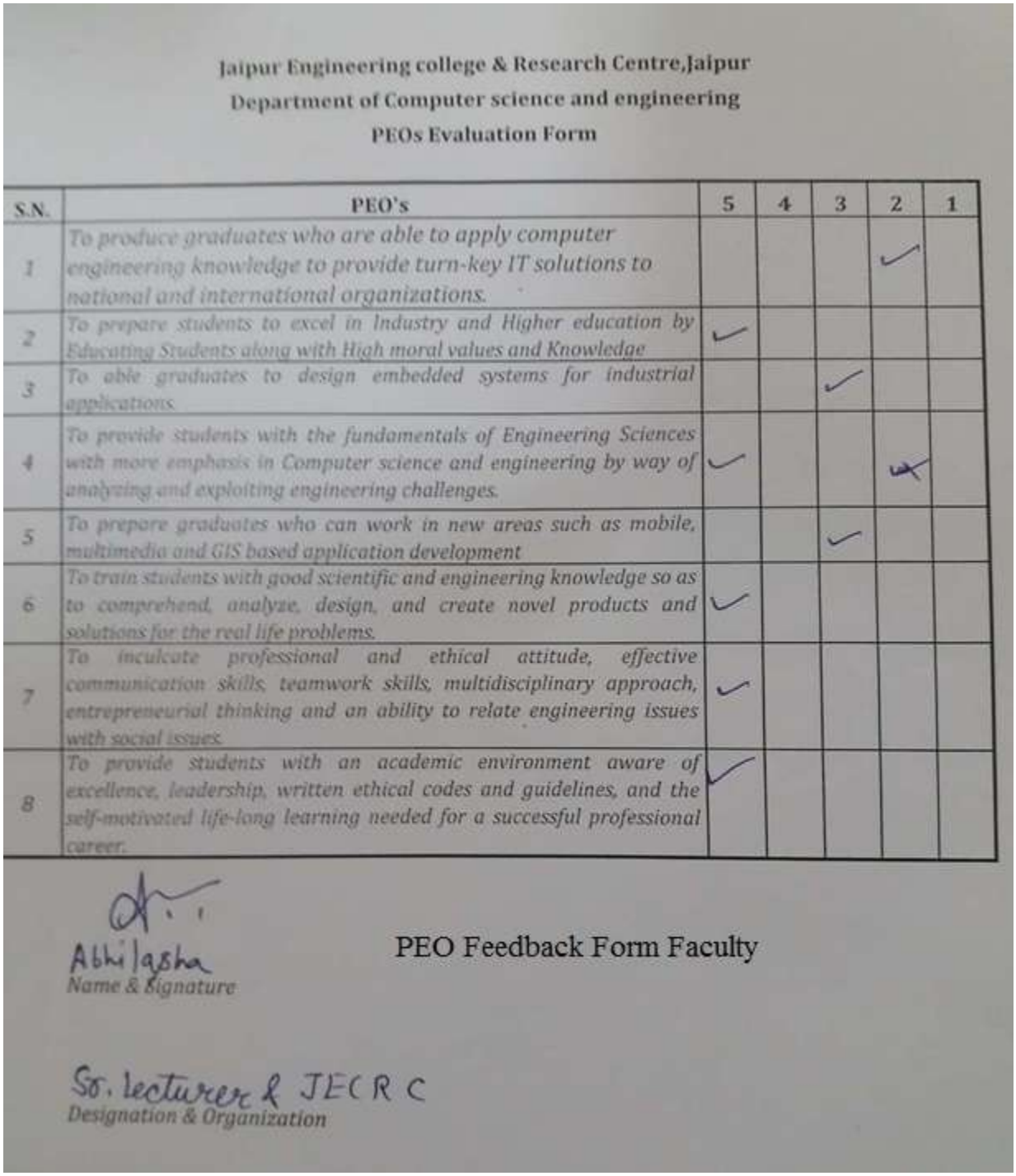
S.N.	PEO	5	4	3	2	1
1	To Produce graduates who are able to apply computer engineering knowledge to provide Turn-key IT solution to national and international organizations.		✓			
2	To prepare students to excell in industry and higher education by educating students along with high moral values and knowledge.	✓				
3	To able graduates to design embedded systems for industrial application.				✓	
4	To provide students with the fundamentals of engineering sciences with more emphasis in computer science and engineering by way of analyzing and exploiting engineering challenges.	✓				
5	To prepare graduates who can work in new areas such as mobile multimedia and GIS based application development.		✓			
6	To train students with good scientific and engineering knowledge so as to comprehend analyze, design and create novel products and solution for the real life problems.	✓				
7	To inculcate professional and ethical attitude, effective communication skills, multidisciplinary approach enterpreneurial thinking and an ability to relate engineering issues with social issues.			✓		
8	To provide students with an academic environment aware of excellance, leadership, written ethical codes and guidelines and the self motivated life long learning needed for a successful professional career.	✓				

Name & Signature Ronak Pansari Ronak

Designation & Organization JECRC Student

PEO Feedback Form Student

PEO Feedback Form Industrial Person



Jaipur Engineering college & Research Centre,Jaipur
Department of Computer science and engineering
PEOs Evaluation Form

S.N.	PEO's	5	4	3	2	1
1	To produce graduates who are able to apply computer engineering knowledge to provide turn-key IT solutions to national and international organizations.				✓	
2	To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge	✓				
3	To able graduates to design embedded systems for industrial applications.			✓		
4	To provide students with the fundamentals of Engineering Sciences with more emphasis in Computer science and engineering by way of analyzing and exploiting engineering challenges.	✓			✓	
5	To prepare graduates who can work in new areas such as mobile, multimedia and GIS based application development			✓		
6	To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems.	✓				
7	To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues.	✓				
8	To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career.	✓				

Abhilasha
Name & Signature

PEO Feedback Form Faculty

Sr. lecturer & JECRC
Designation & Organization

PEO Feedback Form Faculty

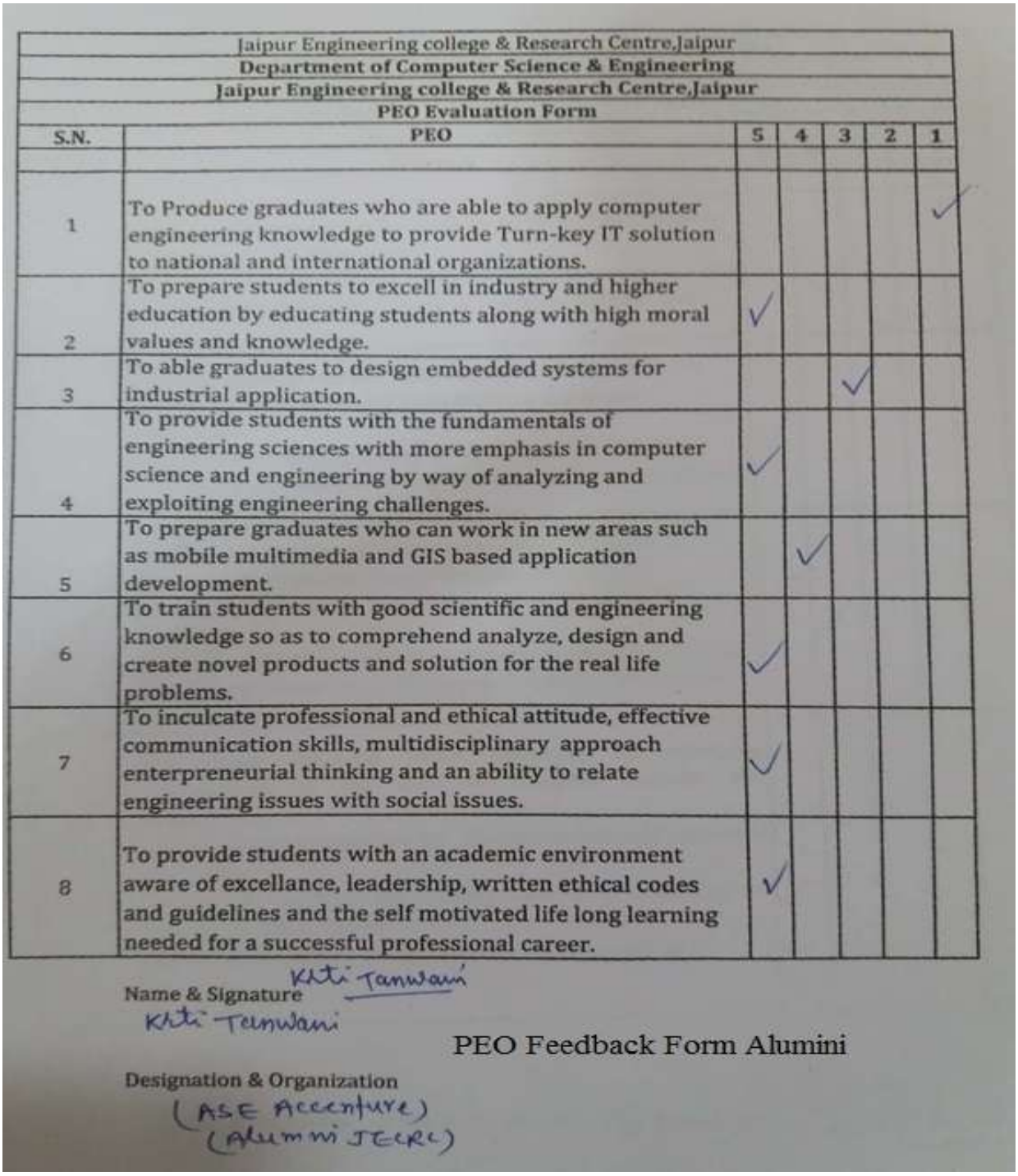
Jaipur Engineering college & Research Centre,Jaipur
Department of Computer Science & Engineering
Jaipur Engineering college & Research Centre,Jaipur
PEO Evaluation Form

S.N.	PEO	5	4	3	2	1
1	To Produce graduates who are able to apply computer engineering knowledge to provide Turn-key IT solution to national and international organizations.		✓			
2	To prepare students to excell in industry and higher education by educating students along with high moral values and knowledge.	✓				
3	To able graduates to design embedded systems for industrial application.		✓			
4	To provide students with the fundamentals of engineering sciences with more emphasis in computer science and engineering by way of analyzing and exploiting engineering challenges.	✓				
5	To prepare graduates who can work in new areas such as mobile multimedia and GIS based application development.		✓			
6	To train students with good scientific and engineering knowledge so as to comprehend analyze, design and create novel products and solution for the real life problems.	✓				
7	To inculcate professional and ethical attitude, effective communication skills, multidisciplinary approach enterpreneurial thinking and an ability to relate engineering issues with social issues.	✓				
8	To provide students with an academic environment aware of excellance, leadership, written ethical codes and guidelines and the self motivated life long learning needed for a successful professional career.	✓				

Name & Signature (ASHOK AGRAWAL)

BUSINESS
Designation & Organization

PEO Feedback Form Parents



Jaipur Engineering college & Research Centre,Jaipur
Department of Computer Science & Engineering
Jaipur Engineering college & Research Centre,Jaipur
PEO Evaluation Form

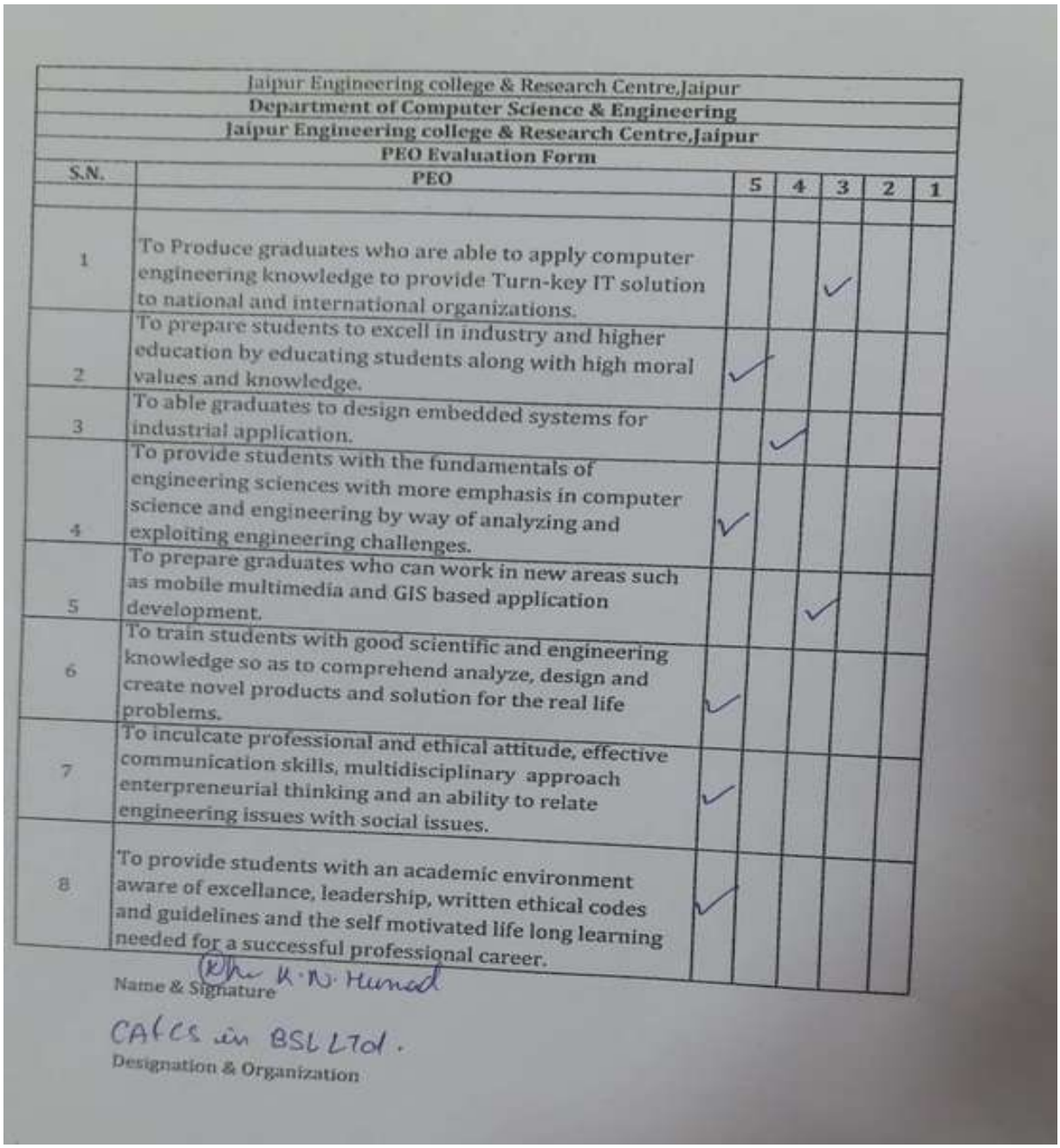
S.N.	PEO	5	4	3	2	1
1	To Produce graduates who are able to apply computer engineering knowledge to provide Turn-key IT solution to national and international organizations.					✓
2	To prepare students to excell in industry and higher education by educating students along with high moral values and knowledge.	✓				
3	To able graduates to design embedded systems for industrial application.			✓		
4	To provide students with the fundamentals of engineering sciences with more emphasis in computer science and engineering by way of analyzing and exploiting engineering challenges.	✓				
5	To prepare graduates who can work in new areas such as mobile multimedia and GIS based application development.		✓			
6	To train students with good scientific and engineering knowledge so as to comprehend analyze, design and create novel products and solution for the real life problems.	✓				
7	To inculcate professional and ethical attitude, effective communication skills, multidisciplinary approach enterpreneurial thinking and an ability to relate engineering issues with social issues.	✓				
8	To provide students with an academic environment aware of excellance, leadership, written ethical codes and guidelines and the self motivated life long learning needed for a successful professional career.	✓				

Name & Signature Kriti Tanwani
Kriti Tanwani

PEO Feedback Form Alumini

Designation & Organization
(ASE Accenture)
(Alumni JECRC)

PEO Feedback Form Alumni



Jaipur Engineering college & Research Centre,Jaipur
Department of Computer Science & Engineering
Jaipur Engineering college & Research Centre,Jaipur
PEO Evaluation Form

S.N.	PEO	5	4	3	2	1
1	To Produce graduates who are able to apply computer engineering knowledge to provide Turn-key IT solution to national and international organizations.			✓		
2	To prepare students to excell in industry and higher education by educating students along with high moral values and knowledge.	✓				
3	To able graduates to design embedded systems for industrial application.		✓			
4	To provide students with the fundamentals of engineering sciences with more emphasis in computer science and engineering by way of analyzing and exploiting engineering challenges.	✓				
5	To prepare graduates who can work in new areas such as mobile multimedia and GIS based application development.			✓		
6	To train students with good scientific and engineering knowledge so as to comprehend analyze, design and create novel products and solution for the real life problems.	✓				
7	To inculcate professional and ethical attitude, effective communication skills, multidisciplinary approach enterpreneurial thinking and an ability to relate engineering issues with social issues.	✓				
8	To provide students with an academic environment aware of excellance, leadership, written ethical codes and guidelines and the self motivated life long learning needed for a successful professional career.	✓				

Name & Signature (Dr. K.N. Hunad)

CA(CS in BSL Ltd.

Designation & Organization

PEO Feedback Form Industrial Person

1.5 Establish Consistency of PEOs with Mission of the Department (15)

(Generate a "Mission of the Department – PEOs matrix" with justification and rational of the mapping)
Note: *M1, M2,….Mn are distinct elements of Mission statement. Enter correlation levels 1, 2 or 3as defined below*
1: slight (Low) 2: Moderate (Medium) 3: Substantial (High) if there is no correlation put"-"

MISSION / PEOs	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies	To develop aptitude of fulfilling social responsibilities
To provide students with the fundamentals of engineering science with more emphasis in Computer Science and Engineering by way of analyzing and exploiting engineering challenges.	H	H	H	M
To train students with good scientific and engineering knowledge for Computer Science and Engineering so as to comprehend, analyze, design, and create novel products and solutions for the real life problems.	H	H	H	M
To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues for Computer Science and Engineering.	M	H	M	H
To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career in Computer Science and Engineering.	M	H	H	M
To prepare students to excel in Industry and Higher Education by Educating Students along with high moral values and knowledge in Computer Science and Engineering.	H	H	H	M

Table B.1.5a: Mapping of PEOs with Missionof the Department

Justification:

The above table shows the consistency of PEOs with Mission of the department. The reasons behind marking High, Medium and Low are as follows:

PEOs are divided into keywords and then correlation is checked with all Mission.

After taking the feedback from all the faculty members of the department if the consistency found is above 90%, (✓) is marked. If consistency is found between 75-90%, the particular block is left blank.

Why High:

If (✓) is marked in all blocks i.e. all the keywords of PEOs are found consistent with the Mission so it must be rated high.

Why Medium:

If ✓ is marked in 50% or above blocks i.e. PEOs is moderately consistent with the Mission of the department.

Why Low:

If ✓ is marked in less than 50% i.e. PEOs is found inconsistent with the Mission of the department.

MISSION ⇨ / PEO 1 Keywords ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies.	To develop aptitude of fulfilling social responsibilities.
Fundamentals of Engineering Sciences.	✓	✓	✓	
Analyzing & exploiting engineering challenges.	✓	✓	✓	✓

Table B.1.5b: Justification of mapping of PEO 1 with Mission

MISSION ⇨ / PEO 2 Keywords ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies.	To develop aptitude of fulfilling social responsibilities.
Good scientific and engineering knowledge.	✓	✓	✓	
Create novel products and solutions for the real life problems.	✓	✓	✓	✓

Table B.1.5c: Justification of mapping of PEO 2 with Mission

MISSION ⇨ / PEO 3 Keyword ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies.	To develop aptitude of fulfilling social responsibilities.
Professional and ethical attitude.	✓	✓	✓	✓
Communication skills, teamwork skills.		✓		✓
Multidisciplinary approach.	✓	✓	✓	✓
Entrepreneurial thinking.		✓	✓	✓
Relate engineering issues with social issues.	✓	✓	✓	✓

Table B.1.5d: Justification of mapping of PEO 3 with Mission

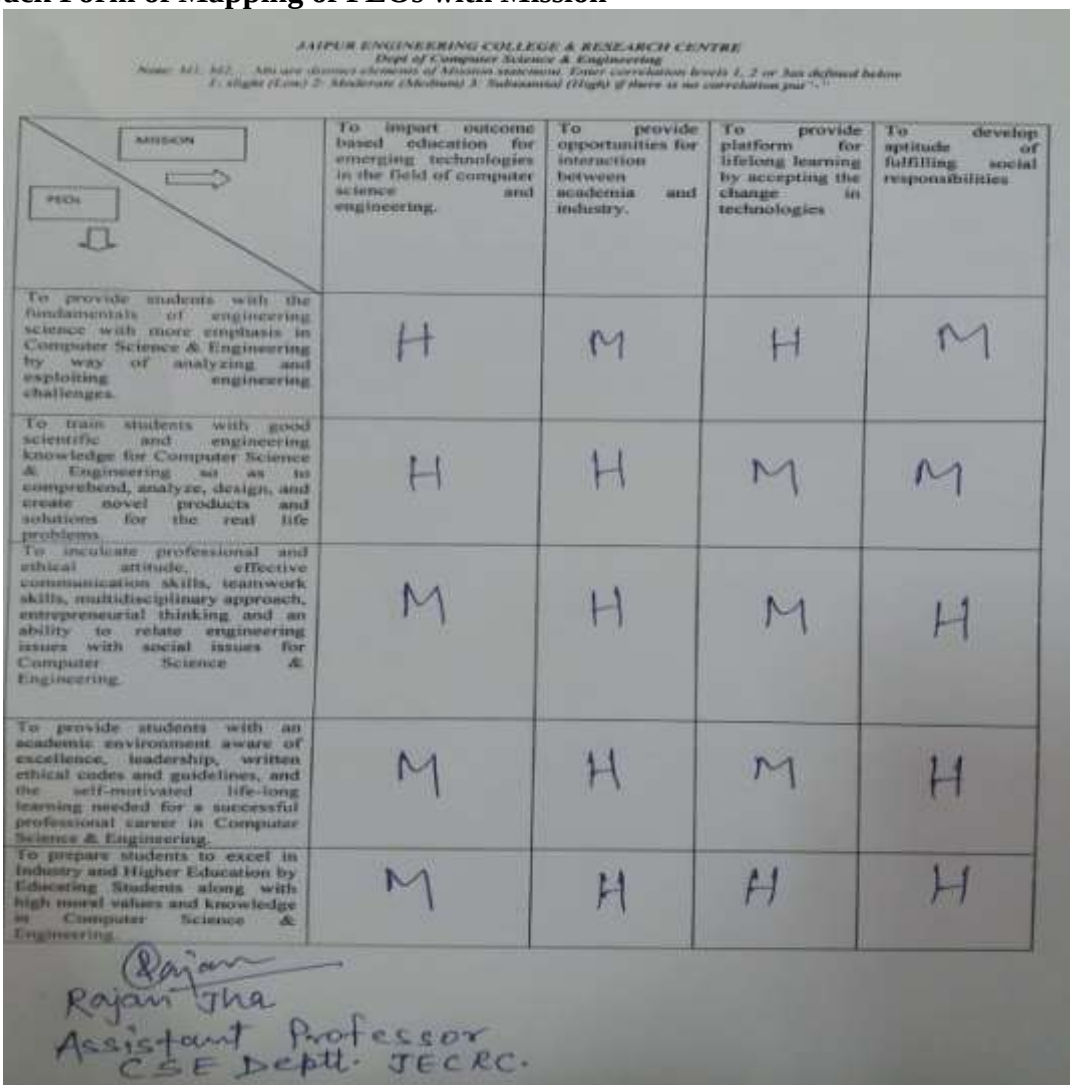
MISSION ⇨ / PEO 4 Keywords ⇩	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies.	To develop aptitude of fulfilling social responsibilities.
Academic environment aware of excellence, leadership, written ethical codes.	✓	✓	✓	
Successful professional career.	✓	✓	✓	✓
Self-motivated life-long learning.		✓	✓	✓

Table B.1.5e: Justification of mapping of PEO 4 with Mission

MISSION / PEO 5 Keywords	To impart outcome based education for emerging technologies in the field of Computer Science and Engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies.	To develop aptitude of fulfilling social responsibilities.
Excel in Industry and Higher education.	✓	✓	✓	
High moral values and Knowledge.	✓	✓	✓	✓

Table B.1.5f: Justification of mapping of PEO 5 with Mission

Feedback Form of Mapping of PEOs with Mission



JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE
Dept of Computer Science & Engineering

MISSION / PEOs	To impart outcome based education for emerging technologies in the field of computer science and engineering.	To provide opportunities for interaction between academia and industry.	To provide platform for lifelong learning by accepting the change in technologies	To develop aptitude of fulfilling social responsibilities
To provide students with the fundamentals of engineering science with more emphasis in Computer Science & Engineering by way of analyzing and exploiting engineering challenges.	H	M	H	M
To train students with good scientific and engineering knowledge for Computer Science & Engineering so as to comprehend, analyze, design, and create novel products and solutions for the real life problems.	H	H	M	M
To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues for Computer Science & Engineering.	M	H	M	H
To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career in Computer Science & Engineering.	M	H	M	H
To prepare students to excel in Industry and Higher Education by Educating Students along with high moral values and knowledge in Computer Science & Engineering.	M	H	H	H

Rajan Jha
Assistant Professor
CSE Deptt. JECRC.

Feedback Form of Mapping of PEO with Mission

CRITERION 2

Program Curriculum and Teaching–Learning Processes (1 2 0)

CRITERION 2	Program Curriculum and Teaching – Learning Processes	120

2. PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120)

2.1. Program Curriculum (20)

Jaipur Engineering College & Research Centre is affiliated to Rajasthan Technical University, Kota where the following Program Curriculum for Department of Computer Science and Engineering has been prescribed.

Scheme of Teaching & Examination for I year B.Tech I Semester
Effective from the session: 2017-18
(Common to all branches of Engineering)

I	Computer Science and Engineering	Teaching Hrs.			Exam Hrs. (Theory Paper)	Marks Allocation				
Course Code	Subject	L	T	P		Theory	*Term test*	Sessional	Prac. Exam	Total
MA-101	Engineering Mathematics-I	3	1		3	80	20			100
HU-101/ HU-103	Communication Skills / Human Values	3	0		3	80	20			100
PY-101/ CY-101	Engineering Physics/ Engineering Chemistry	3	1		3	80	20			100
CS-101	Computer Programming-I	3	0		3	80	20			100
CE-101	Environmental Engineering and Disaster Management	3	0		3	80	20			100
	Total	15	2			400	100			500
HU-102/ HU-104	Communication Skills Lab./ Human Values: Activities			2				45	30	75
PY-102/ CY-102	Engineering Physics Lab/ Engineering Chemistry Lab			2				45	30	75
CS-102	Computer Programming-I Lab.			2				60	40	100
CE-102	Computer Aided Engineering Graphics			3				60	40	100
ME-101	Mechanical Workshop Practice			2				60	40	100
	Discipline &Extra-Curricular Activities							50		50
	Grand Total	15	2	11		400	100	320	180	1000

Scheme of Teaching & Examination for I year B.Tech II Semester Effective from the session: 2017-18 (Common to all branches of Engineering)										
II	Computer Science and Engineering	Teaching Hrs.			Exam Hrs. (Theory Paper)	Marks Allocation				
Course Code	Subject	L	T	P		Theory	*Term test*	Sessional	Prac. Exam	Total
MA-102	Engineering Mathematics-II	3	1		3	80	20			100
HU-103/ HU-101/	Human Values/ Communication Skills	3	0		3	80	20			100
CY-101/ PY-101	Engineering Chemistry/ Engineering Physics	3	1		3	80	20			100
CS-103	Computer Programming-II	3	0		3	80	20			100
Elective (any two)*										
EE-101	Basic Electrical and Electronics Engineering	3	0		3	80	20			100
CE-103	Basic Civil Engineering									
ME-102	Basic Mechanical Engineering	3	0		3	80	20			100
OE-101	Engineering Mechanics									
Total		15	2			480	120			600
HU-104/ HU-102	Human Values: Activities Communication Skills Lab.			2				45	30	75
CY-102/ PY-102	Engineering Chemistry Lab/ Engineering Physics Lab			2				45	30	75
CS-104	Computer Programming-II Lab			2				60	40	100
ME-104	Computer Aided Machine Drawing			3				60	40	100
	Discipline &Extra-Curricular Activities			0				50		50
	Grand Total	15	2	9		480	120	260	140	1000

Table B.2.1a: Scheme for 1st Year from Session 2017-2018

III	Computer Science and Engineering	Teaching Hrs.			Exam Hrs.	Max. Marks			Comments
Course Code	Subject	L	T	P		IA	*TE*	TOTAL	Common with
3CS1A	Electronic Devices and Circuits	3			3	20	80	100	CS,IT
3CS2A	Data Structures and Algorithms	3			3	20	80	100	EE, EEE, EC, EIC,CS & IT
3CS3A	Digital Electronics	3			3	20	80	100	EE, EEE, EC, EIC,CS & IT
3CS4A	Linux and Shell Programming	3			3	20	80	100	EE, EEE, EC, EIC,CS & IT
3CS5A	Object Oriented Programming	3			3	20	80	100	CS,IT
3CS6A	Advanced Engineering Mathematics	3	1		3	20	80	100	EE, EEE, CS & IT
3CS7A	Electronic Devices Lab			3	3	45	30	75	CS,IT
3CS8A	Data Structures Lab			3	4	60	40	100	CS,IT
3CS9A	Digital Electronics Lab			2	3	30	20	50	CS,IT
3CS10A	C++ Programming			3	4	45	30	75	CS,IT
3CS11A	Unix Shell Programming			2	3	30	20	50	CS,IT
3CSDC	Discipline &extra-Curricular Activities							50	
	Total	18	1	13				1000	

IV	Computer Science and Engineering	Teaching Hrs.			Exam Hrs.	Max. Marks			Comments
Course Code	Subject	L	T	P		IA	*TE*	TOTAL	Common with
4CS1A	Microprocessors and Interfaces	3			3	20	80	100	CS,IT
4CS2A	Discrete Mathematical Structures	3	1		3	20	80	100	CS,IT
4CS3A	Statistics and Probability Theory	3			3	20	80	100	CS,IT
4CS4A	Software Engineering	3			3	20	80	100	CS,IT
4CS5A	Principles of Communication	3			3	20	80	100	CS,IT
4CS6A	Principles of Programming Languages	3			3	20	80	100	CS,IT
4CS7A	Microprocessor Lab			3	3	60	40	100	CS,IT
4CS8A	Communication Lab			3	3	60	40	100	CS,IT
4CS9A	Computer Aided SoftwareEngineering Lab			3	4	60	40	100	CS,IT
4CS10A	Business EntrepreneurshipDevelopment			3	4	30	20	50	CS,IT
4CSDC	Discipline &extra-CurricularActivities							50	
	Total	18	1	11				1000	

Table B.2.1b: Scheme for 2nd Year

V	Computer Science and Engineering	Teaching Hrs.			Exam Hrs.	Max. Marks			Comments
Course Code	Subject	L	T	P		IA	*TE*	TOTAL	Common with
5CS1A	Computer Architecture	3			3	20	80	100	CS,IT
5CS2A	Digital Logic Design	3			3	20	80	100	
5CS3A	Telecommunication Fundamentals	3			3	20	80	100	CS,IT
5CS4A	Database Management Systems	3			3	20	80	100	CS,IT
5CS5A	Operating Systems	3			3	20	80	100	CS,IT
5CS6.1A	Advanced Data Structure	3			3	20	80	100	CS,IT
5CS6.2A	Digital Signal Processing								
5CS6.3A	Information Theory & Coding								
5CS7A	Database Lab			3		60	40	100	CS,IT
5CS8A	System Design in UML Lab.			3		45	30	75	
5CS9A	Operating Systems Simulation Lab			3		60	40	100	CS,IT
5CS10A	Digital Hardware Design Lab			3		45	30	75	CS,IT
5CSDC	Discipline &extra-Curricular Activities							50	CS,IT
	Total	18	0	12				1000	

VI	Computer Science and Engineering	Teaching Hrs.			Exam Hrs.	Max. Marks			Comments
Course Code	Subject	L	T	P		IA	*TE*	TOTAL	Common with
6CS1A	Computer Networks	3			3	20	80	100	CS,IT
6CS2A	Design and Analysis of Algorithms	3			3	20	80	100	CS,IT
6CS3A	Theory Of Computation	3			3	20	80	100	CS,IT
6CS4A	Computer Graphics and Multimedia Techniques	3			3	20	80	100	
6CS5A	Embedded System Design	3			3	20	80	100	
6CS6.1A	Advance Topics in Operating Systems	3			3	20	80	100	CS,IT
6CS6.2A	Artificial Intelligence								
6CS6.3A	Human Computer Interface								CS,IT
6CS7A	Java Programming Lab			3		45	30	75	CS,IT
6CS8A	Computer Graphics & Multimedia Lab			3		30	20	50	
6CS9A	Design and Analysis of Algorithms Lab			3		60	40	100	CS,IT
6CS10A	Embedded System Design Lab			3		45	30	75	
6CS11A	Humanities and Social Sciences					30	20	50	CS,IT
6CSDC	Discipline &extra-Curricular Activities							50	CS,IT
	Total	18	0	12				1000	

Table B.2.1c: Scheme for 3rd Year

VII	Computer Science and Engineering	Teaching Hrs.			Exam Hrs.	Max. Marks			Comments
CourseCode	Subject	L	T	P		IA	*TE*	TOTAL	Common with
7CS1A	Cloud Computing	3			3	20	80	100	
7CS2A	Information System Security	3			3	20	80	100	CS,IT
7CS3A	Data Mining & Ware Housing	3			3	20	80	100	CS,IT
7CS4A	Computer Aided Design for VLSI	3			3	20	80	100	
7CS5A	Compiler Construction	3			3	20	80	100	
7CS6.1A	Advance Database Management Systems	3			3	20	80	100	
7CS6.2A	Robotics								
7CS6.3A	Data Compression Techniques								
7CS7A	Web Development Lab			2		30	20	50	
7CS8A	VLSI Physical Design Lab			3		45	30	75	
7CS9A	Compiler Design Lab.			3		45	30	75	
7CSPR	Project-I			2		50		50	CS,IT
7CSTR	Practical Training*			2			100	100	CS,IT
7CSDC	Discipline &extra-Curricular Activities							50	CS,IT
	Total	18	0	12				1000	

VIII	Computer Science and Engineering	Teaching Hrs.			Exam Hrs.	Max. Marks			Comments
CourseCode	Subject	L	T	P		IA	*TE*	TOTAL	Common with
8CS1A	Mobile Computing	3			3	20	80	100	
8CS2A	Digital Image Processing	3			3	20	80	100	CS,IT
8CS3A	Distributed Systems	3			3	20	80	100	CS,IT
8CS4.1A	Hardware Testing & Fault Tolerance	3			3	20	80	100	CS,IT
8CS4.2A	Real Time Systems								CS,IT
8CS4.3A	Information Retrieval								CS,IT
8CS5A	Unix Network Programming & Simulation Lab			3		60	40	100	
8CS6A	FPGA Lab.			3		60	40	100	
8CS7A	Digital Image Processing lab			2		30	20	50	CS,IT
8CSPR	Project-II			2		120	80	200	CS,IT
8CSSM	Seminar			2		60	40	100	CS,IT
8CSDC	Discipline &extra-Curricular Activities							50	CS,IT
	Total	12	0	12				1000	

Table B.2.1d: Scheme for 4th Year

For reference:

1. http://www.rtu.ac.in/RTU/wp-content/uploads/2017/07/Scheme-B.Tech-1st-Year.pdf
2. http://www.rtu.ac.in/RTU/wp-content/uploads/2015/10/CS_3_8_syllabus%2007102015.pdf

The above link states complete detailed syllabus of Department of Computer Science and Engineering.

The curriculum of Department of Computer Science and Engineering is affiliated to Rajasthan Technical University, Kota. It comprises of mathematics, electronics core and professional core component in relation Computer Science and Engineering. For identifying the gaps subjects are mapped with program outcomes where subjects are classified in categories i.e. advanced mathematics, electronics core and professional core, elective.

PROGRAM OUTCOMES

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and Computer Science and Engineering specialization to the solution of complex Computer Science and Engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyse complex Computer Science and Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex Computer Science and Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of Computer Science and Engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex Computer Science Engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Computer Science and Engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional Computer Science and Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the Computer Science and Engineering practice.
9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in Computer Science and Engineering.
10. **Communication**: Communicate effectively on complex Computer Science and Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance**: Demonstrate knowledge and understanding of the Computer Science and Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change in Computer Science and Engineering.

PROGRAM SPECIFIC OUTCOMES

PSO1	Ability to interpret and analyze network specific and cyber security issues in real world environment.
PSO2	Ability to design and develop mobile and web-based applications under realistic constraints.

Different courses emphasize on contribution to different POs and PSOs resulting in ultimate attainment of POs and PSOs upon completion of all courses and thus the program. Every course has decent importance to elementary ideas, tools and techniques and stress on sensible implementations. This provides a powerful correlation between the course outcomes and program outcomes, developing necessary skills in students, creating them practiced engineers.

The following table divides RTU subject in following five course components. It also explains the contribution of each category among Lecture, Tutorial and Practical. It also explains the relevance of each course component with POs and PSOs.

Based on RTU Program Course Component Grouping	**Coverage %**			**POs**	
	L	**T**	**P**		**PSOs**
Applied Science	36/135=26 .66%	6/6= 100%	16/92= 17.39%	PO1,PO2,PO3, PO12	-
Electronics Core	21/135= 15.55%	-	22/92= 23.91%	PO1,PO2,PO3,P05,PO10,PO12	PSO1
Professional Core (CSE)	66/135= 48.88%	-	46/92= 50%	PO1- PO12	PSO1, PSO2
Professional Elective	12/135= 8.88%	-	-	PO1,PO2,PO3,P04,P05,P08,PO 9,PO10,PO11,PO12	PSO1
Project/Seminar Lab	-	-	8/92= 8.69%	PO2,PO3,PO9, PO10, PO11, PO12	PSO1, PSO2

Table B.2.1f:CourseComponent Relevance with POs oftheDepartment

2.1.1. State the process used to identify extent of compliance of the University curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I. Also mention the identified curricular gaps, if any (10)

(State the process details; also mention identified curricular gaps).

A. **Compliance of the University Curriculum**

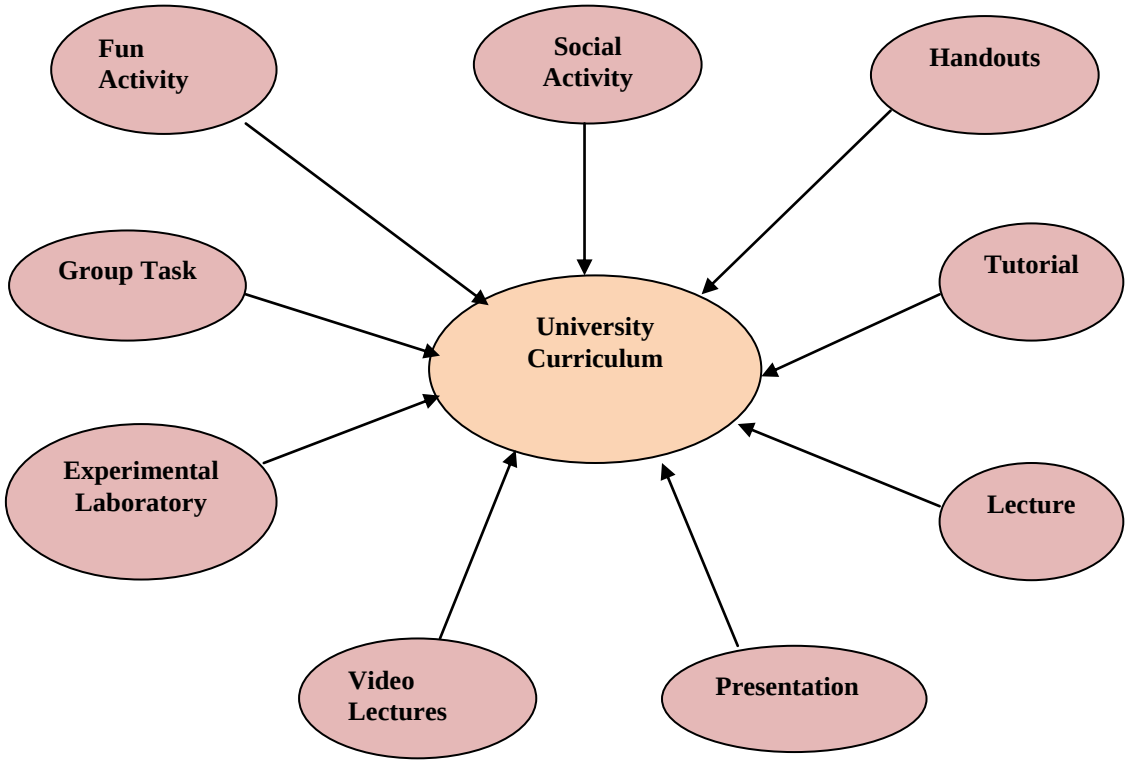


Figure 2.1.1a: Process of Compliance the University Curriculum for attaining the POs and PSOs

The following process is used to identify extent of compliance of the University Curriculum for attaining the POs and PSOs.

- **Lectures:** Faculty of the CSE Department effectively teach students about a concerned subject. Faculties convey significant information, history, background, theories, analogies and equations to make the concepts clear.

- **Tutorials:** Faculty helps the students bysolving number of problems by dividing them in groups and faculty Member mentors the students.
- **Triangle Method:** During lecture HOD visits class room along with two senior faculty members in which one of the faculty is the expert of the respective subject. They observe

the teaching method followed by Faculty Member and analyzes the importance of content. After Class, HOD shares feedback to the faculty member.

- **Experimental Laboratory Work:**Laboratory work demonstrates how theory can be verified by experiments through interpretation of results.

- **Hand-outs:**Gives a quick insight to the course. It helps the slow learners to face the exams with confidence.

- **Presentations:** Faculty members also provide PPT and Videos related to course. Videos effectively communicate the working of actual engineering solutions-long learning in the appropriate societal context.

- **E-Book/Digital Library/Video Lectures:** The facility of (multi Media) Digital Library is available where all interested students & faculty members may read e-books and e-journals which are available on NPTEL, expert lectures on you tube.

- **Group Tasks:** Through group task the concepts of engineering that the student has understood in the course is showcased. This helps to do work in groups effectively.

- **Social Activity:**Gives a sense of social responsibility to a student under ABHUYDAY which includes Zarurat, Soch, Suhasini and Aashayen group.

- **Fun Activity:** Here, each concerned faculty teaches his/her subject with the help of fun activity like making group and debates based on topics so that the student can learn the topic in visualized manner.

- **Government/ AICTE Initiative :**All the interactive courses prepared by best teachers in the country are taught through Swayam, NPTEL, and Virtual lab from IIT Mumbai, Internshala and ICT courses through NITTTR Chandigarh.

- **FDP/Conference/Workshop:** Faculty members take knowledge about the latest technology and deliver the same to students.

- **Invited Talks, Workshops and Seminars** on the latest trends in technology are done from the industry person.

B. Attainment of Program Outcomes and Program Specific Outcomes

Course Delivery	Attainment of POs	Attainment of PSOs	Justification
Lecturing	PO1,PO2,PO3,PO4,PO8,PO9, PO10,PO12	PSO1	• Faculties of the CSE Department effectively teach students about a concerned subject. • Faculties convey significant information, history, background, theories, analogies and equations to make the concepts clear. • Faculties relate engineering practice to the real world.
Tutorial	PO1,PO2,PO3,PO4,PO8,PO9, PO10,PO12	PSO1	• Faculties help the slow learners by solving more number of similar problems. • Any specific problem is also entertained by Faculty Members.
Presentations (Still and Video)	PO1,PO4,PO5,PO9, PO10, PO11	PSO1, PSO2	• Presentations are given to illustrate ideas and concepts. • Presentations give information with data relating to an issue. • Videos effectively communicate the working of actual engineering solutions-long learning in the appropriate societal context.
Experimental and laboratory work	PO1,PO2,PO3,PO5,PO9,PO10, PO12	PSO1,PSO2	• Laboratory work demonstrates how theory can be verified by experiments through interpretation of results. • Experiments are normally done in groups thereby encouraging students to do team work.
Group tasks (Projects)	PO4, PO7, PO8, PO9, PO10, PO11	PSO1,PSO2	• Here the concepts of engineering that the student has understood in the course are showcased. This helps to do work in groups effectively
Hand-outs	PO1, PO2, PO3, PO4, PO12	-	• Gives a quick insight to the course. • It helps the slow learners to face the exams with confidence
Social Activities/ Fun Activity	PO6,PO7,PO8,PO9,PO10	-	• Gives a sense of social responsibility to a student. • Teaching students with visualization method like debate and quiz

Table B.2.1.1a: Mode of Course Delivery

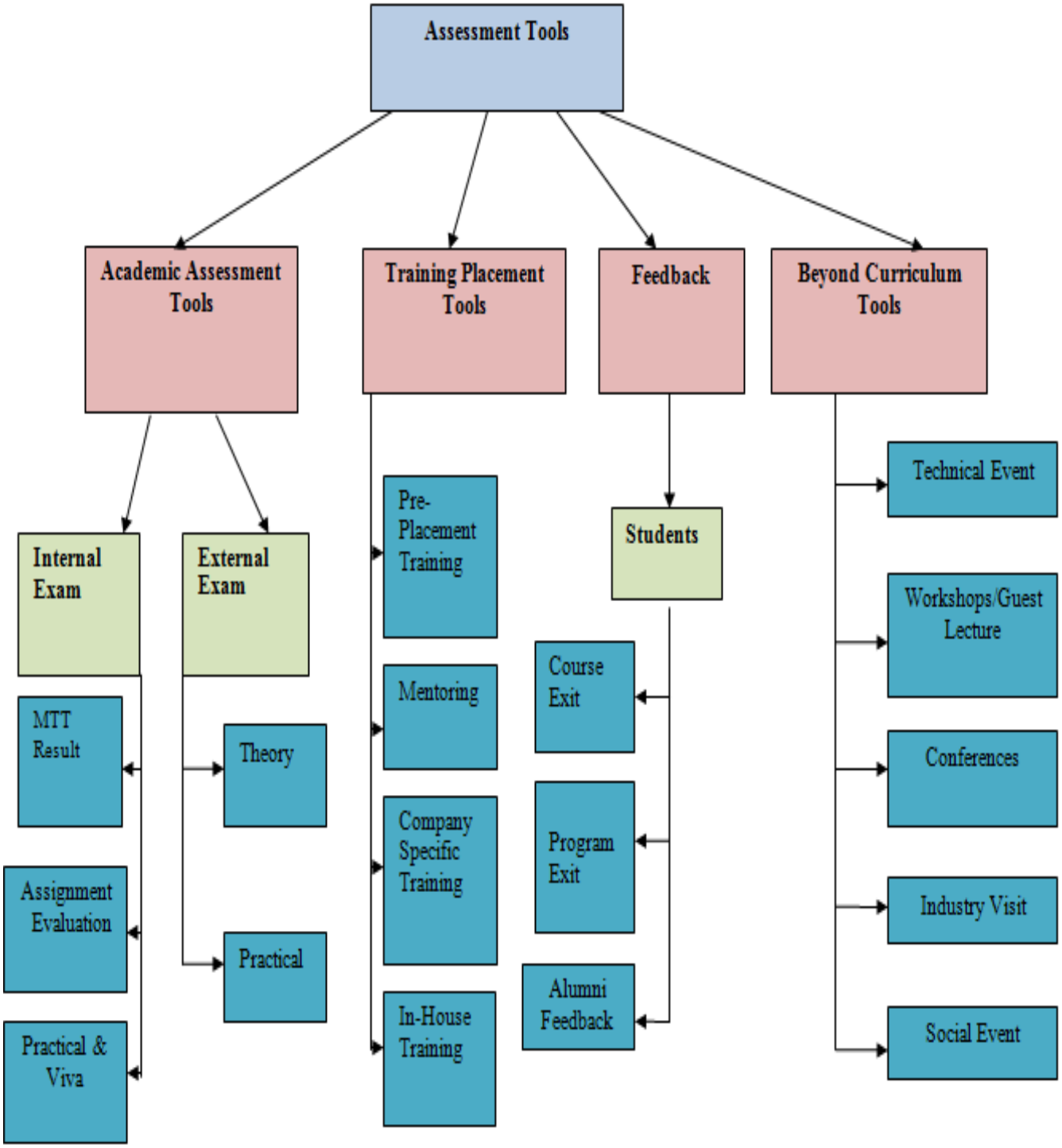


Figure 2.1.1b: Assessment Tool for Attaining POs and PSOs.

Courses	Subject	PO1	PO2	PO3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12
MA-101	Engineering Mathematics-1	3	2	1	-	2	1	2	-	3	2	-	1
HU-103	HumanValues	-	-	2	-	-	3	2	3	2	1	-	1
PY-101	Engineering Physics	2	1	1	-	-	1	-	-	1	1	-	1
CS-101	Computer Programming-I	1	2	2	2	2	2	1	-	-	2	-	3
CE-101	Environmental Engineering andDisaster Management	2	1	1	1	-	2	2	1	2	1	-	1
HU-104	Human Values: Activities	-	-	1	-	-	3	3	3	1	1	-	1
PY-102	Engineering Physics Lab	2	1	1	-	-	1	-	-	1	1	-	1
CS-102	Computer Programming-I La	2	3	2	1	-	-	-	-	2	1	-	1
CE-102	Computer Aided EngineeringGraphic	3	-	-	-	-	-	-	-	2	2	-	1
ME-101	Mechanical Workshop Practice	3	-	-	-	-	-	-	-	2	2	-	1

Table B. 2.1.2b: Program level Course-PO matrix of first year courses

S. No.	Sem	Code	Sub	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO 12
1	3	3CSA1	EDC	2.3	1.6	1	1	1	-	-	-	1	-	-	1.6
2	3	3CSA2	DSA	3	2.2	2	1	1	-	-	-	2	-	1	1.5
3	3	3CSA3	DE	2.2	2	2.3	-	2	1	1	-	1	-	1	3
4	3	3CS4A	LSP	3	2	2.3	-	2	1	1	-	2.5	2.5	1	2
5	3	3CS5A	OOP	3	2	2.2	2.5	2.5	1.5	1	-	2.2	1.5	2.2	2.5
6	3	3CS6A	AEM	3	2	1	-	1			-	1	1	-	1
7	4	4CS1A	MP	3	1.7	2.2	1.5	-			-	2	1	-	2
8	4	4CS2A	DMS	3	3	2.2	2.2	3	2.5		-		1	-	
9	4	4CS3A	SPT	3	2	2	-	1	1		-	1	1	-	1
10	4	4CS4A	SE	3	2.5	3	1.5	2.7	1	1	-	2.7	2	2.2	1.7
11	4	4CS5A	POC	3	3	1.7	-	1	1	1	-	1	1		1
12	4	4CS6A	PPL	3	2	2	-	1	1	1	-	1	-	1	1
13	5	5CS1A	CA	3	2.2	2.2	1	-	-	-	-	1	-	1	2
14	5	5CS2A	DLD	3	2	2.3	-	2	1	1	-	1	-	1	1.5
15	5	5CS3A	TEF	3	2.2	2.2	-	2	1	1	1	-	2	1	2
16	5	5CS4A	DBMS	3	2.2	2.2	-	2	1	1	1.5	2	-	2	2
17	5	5CS5A	OS	3	2.2	2	-	-	1	-	-	1	1	1.7	2
18	5	5CS6A	ITC	3	2	2.2	2	-	1	1	-	1	1	1	1
19	6	6CS1A	CN	3	2	2.2	1.7	1.7	1	1	1.5	1.5	1	1	2
20	6	6CS2A	DAA	3	2	2.5	2	-	1	1	-	1	2	-	2
21	6	6CS3A	TOC	3	2	2.5	1.7	-	1	1	-	1	1.7	-	1
22	6	6CS4A	CG	3	2	2.2	2	1.7	1	1	-	1	2.2	2.2	2.5
23	6	6CS5A	ESD	3	1.7	1	-	3	1	1	-	1	-	1	2
24	6	6CS6A	AI	3	2	2.2	2	2	1.7	1	-	1	1.7	1.7	1.7
25	7	7CS1A	CLOUD	3	2.2	2	1	2.5	1.7	1.6	1	1.7	2.2	2.5	2.7
26	7	7CS2A	ISS	3	3	2.5	2	1.5	1.5	-	1	1	1.5	1.5	2
27	7	7CS3A	DMW	3	2	2.2	1.7	1.7	1.5	2	1	1.5	-	1.5	1.7
28	7	7CS4A	CAD VLSI	3	2	2	-	2	1	1	-	1	-	1	1
29	7	7CS5A	CC	3	3	2.2	2.2	1	-	-	-	2	-	2	2
30	7	7CS6A	DCT	3	1.6	1	1	-	-	-	-	1		1.3	2
31	8	8CS1A	MC	3	1.7	1.7	1.7	1.7	1.5	2	-	1	2	2.7	3
32	8	8CS2A	DIP	3	3	1.5	1.5	1.7	2	2	2	1.5	1.7	1.7	3
33	8	8CS3A	DS	3	2	2	2.5	2	2	-	-	1	1	2.7	3
34	8	8CS4A	RTS	3	1.7	1.7	1.5	-	2	-	-	1.5	1.5	-	2

Table B.2.1.1c: Mapping of POs with Subject

S.No.	Sem	Code	Sub	PSO1	PSO2
1	3	3CSA1	EDC	-	-
2	3	3CSA2	DSA	3	1
3	3	3CSA3	DE	3	-
4	3	3CS4A	LSP	2	2
5	3	3CS5A	OOP	2	3
6	3	3CS6A	AEM	3	-
7	4	4CS1A	MP	3	-
8	4	4CS2A	DMS	2	2
9	4	4CS3A	SPT	3	-
10	4	4CS4A	SE	2	3
11	4	4CS5A	POC	1	-
12	4	4CS6A	PPL	3	3
13	5	5CS1A	CA	2	3
14	5	5CS2A	DLD	1	-
15	5	5CS3A	TEF	3	2
16	5	5CS4A	DBMS	3	2
17	5	5CS5A	OS	2	2
18	5	5CS6.3	ITC	3	3
19	6	6CS1A	CN	3	2
20	6	6CS2A	DAA	-	-
21	6	6CS3A	TOC	-	-
22	6	6CS4A	CG	1	1
23	6	6CS5A	ESD	-	-
24	6	6CS6.2A	AI	1	1
25	7	7CS1A	CLOUD	3	3
26	7	7CS2A	ISS	3	3
27	7	7CS3A	DMW	-	1
28	7	7CS4A	CAD VLSI	-	-
29	7	7CS5A	COMPILER	-	2
30	7	7CS6.3A	DCT	1	1
31	8	8CS1A	MC	3	3
32	8	8CS2A	DIP	1	1
33	8	8CS3A	DS	3	3
34	8	8CS4.2A	RTS	3	3

Table B.2.1.1d: Program level Course-PSO matrix of all courses

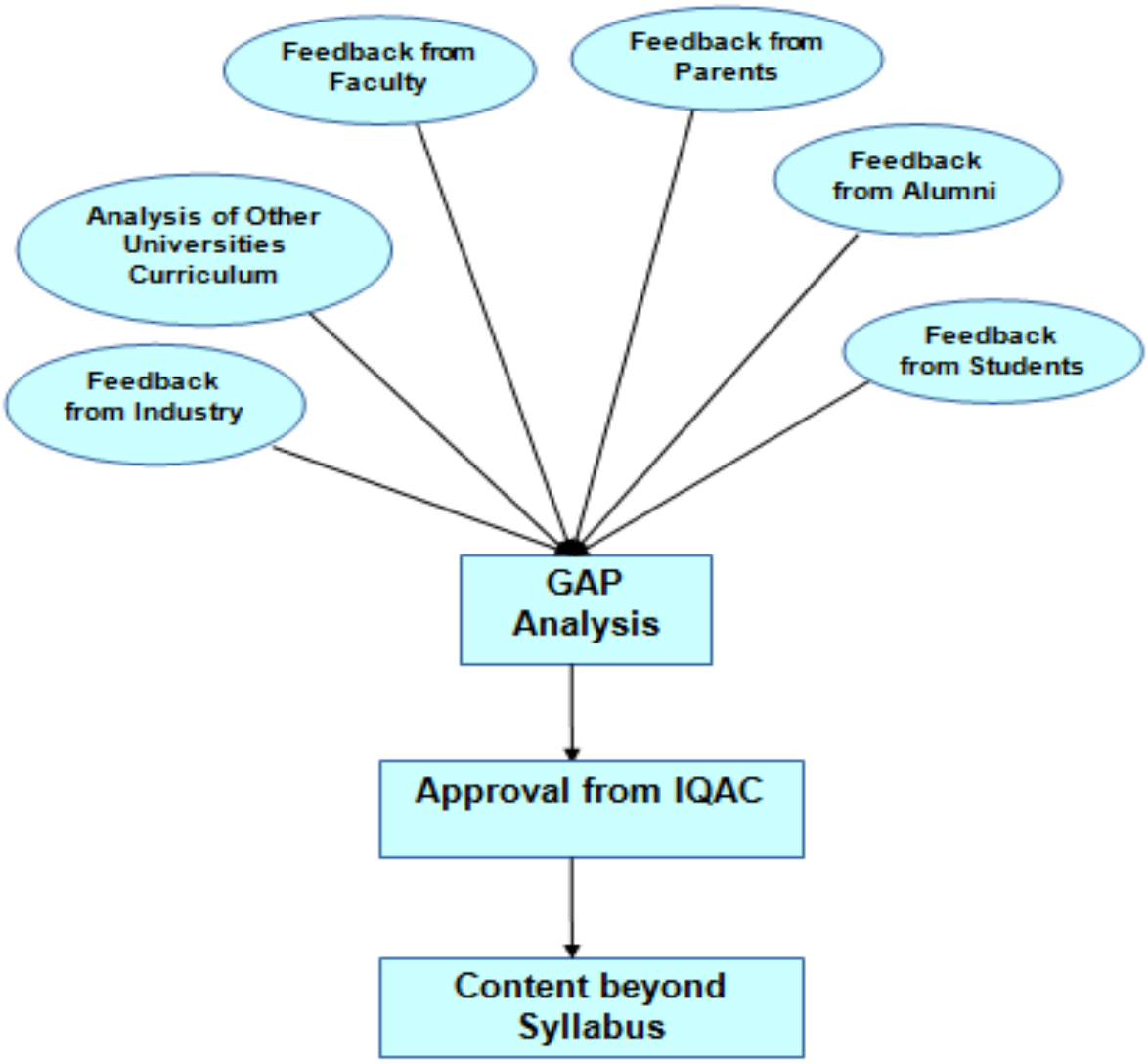
POs	Contribution of Subjects for Attaining POs
PO1	99.01%
PO2	78.43%
PO3	66.66%
PO4	35.25%
PO5	37.25%
PO6	18.62%
PO7	5.88%
PO8	6.86%
PO9	34.31%
PO10	29.41%
PO11	31.37%
PO12	60.78%

Table B.2.1.1e: Contribution of Subjects for Attaining POs

C. Process used to identify curricular gaps

The procedure adopted for finding the curriculum gaps is shown in figure 2.1.1bfor attaining the POs and PSOs.

- Feedback from the teacher handling the course.
- Input from Industry experts/ employers.
- Based on the feedback from students.
- Based on the feedback from parents.
- Based on alumni feedback.
- Based on the analysis of other universities' curriculum



*IQAC- Internal Quality Assurance Committee

Figure 2.1.1c: Process of GAP Identification

Identified gaps:

Following gaps were identified that are required for industry oriented & learning of emerging technologies

- Practical Aspects of Cloud Computing Concepts like Virtualization
- Front end and User interface designing tools
- Open Source Tools required for programming & designing database
- Learning Practical tool required like WEKA, for data mining
- Open Source Cloud Deployment and Security Tools
- Emerging tools like BIG DATA, IoT, Drupal Tool, R Language etc.
- Practical aspects of Android, Web Development, Networking.
- Mobile App Development
- Leadership Skills
- Social Awareness and Ethics

Action taken to Fulfill Identified gaps:

- Lectures on Handpicked Topics by Faculty Members
- Expert Lectures/Talk
- Technical Events
- In-House Training Conducted By Industry Experts
- Industrial Visits
- Workshops/ Seminars/ Conferences

2.1.2. State the delivery details of the content beyond the syllabus for attainment of POs and PSOs (10)

(Provide details of the additional course/learning material/content/laboratory experiments/projects etc., arising from the gaps identified in 2.1.1 in a tabular form in the format given below)

Session 2017-18

S.No	GAP	Action Taken	Date-Month-Year	Resource Person with designation	Relevance To POs
1.	Leadership Skills	Entrepreneurship Awareness Camp	29-31 Aug. 2017	Mr. Rohit Sharma	PO3-PO12
2.	Leadership Skills	Tedx (Incubation Centre), Takniki Bhawan, Jhalana, Jaipur	31 Aug. 2017	Mr.Rohit Sharma	PO3-PO12
3.	Learning Practical tool required like WEKA, for data mining	ICT BASED Short term course on "DATA MINING AND BUSINESS INTELLIGENCE" at NITTTR, Chandigarh	4- 8 Sept.2017	NITTTR, Chandigarh	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
4.	Mobile App Development	Invited Talk on Mobile Apps By Forsk Technologies Pvt. Ltd.	12 Sept.2017	Mr. Yogender	PO1-5, PO9-12
5.	Emerging tools like BIG DATA, IoT, Drupal Tool, R Language etc.	Workshop on BIG DATA Technology (IIIT , Kharagpur , Utkranti, 2018	22-23 Sept.2017	Ms. Shradhha Godara	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
6.	Social Awareness and Ethics	Nirbhaya Initiative	7 Oct.2017	Ms. Richa Gaur	PO6,PO8
7.	Emerging tools like BIG DATA, IoT, Drupal Tool, R Language etc.	Workshop on Big Data Technology (Linux world pvt. Ltd	28 Oct.2017	Mr. Vimal Daga	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
8.	Emerging tools like BIG DATA, IoT, Drupal Tool, R Language etc.	Workshop on MachineLearning, Artificial intelligence (Linux world pvt. Ltd)	9 Feb 2018	Mr. Vimal Daga	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
9.	Front end and User interface designing tools	Workshop on Salesforce by Sambodhi Technology Pvt. Ltd.	17- 23 March.2018	Mr. Rajesh Kumar	PO1,PO2, PO3,PO4, PO5, PO9, PO10,PO11,PO12

Table B.2.1.2a: Details of Expert Talk/Lecture(2017-18)

Session 2016-17

S.No	GAP	Action Taken	Date-Month-Year	Resource Person with designation	Relevance To POs
1	Practical Aspects of Cloud Computing Concepts like Virtualization	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	31 Aug.2016	Mr. Amit Doegar, Asst. Professor, NITTTR, Chandigarh	PO1,PO2, PO3,PO4, PO5,PO10, PO11,PO12
2	Front end and User interface designing tools	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29-30 Aug.2016	Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy, Pvt. Ltd., Ambala	PO1,PO2, PO3,PO4, PO5,PO9, PO10,PO11,PO12
3	Introduction to PHP and MySQL	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29 Aug.2016	Sangeeta Gupta, Jr. System programmer, NITTTR,Chandigarh	PO1,PO2, PO3,PO4, PO5,PO9, PO10,PO11,PO12
4	Social Networking Tools(Course beyond Syllabus)	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	31 Aug 2016	Dr. Sarbjeet Singh, Associate Professor, UIET, P.U., Chandigarh	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
5	Open Source Security Tools	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01 Sept.2016	Saurabh Kaushal, Technical Administrator, NITTTR, Chandigarh	PO1,PO2, PO3,PO4, PO5, PO9, PO10,PO11 ,PO12
6	Open Source Tool	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01 Sept.2016	Mala Kalra, Asst. Professor, NITTTR, Chandigarh	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
7	R Language for Analytics	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01 Sept.2016	Dr. Naveen Aggarwal, Associate Professor, UIET, P.U., Chandigarh	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
8	GIT Platform for Open Source Application Development, Open Source Cloud Deployment	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	02 Sept.2016	Mr. Vipin Gupta, U-NET Solutions Moga	PO1,PO2, PO3,PO4, PO5,PO9, PO10,PO11,PO12
9	On Open Source technology tools	International Workshop on Open Source Software,	10 Sept.2016	Mr. Michael Canon Chief Operating Officer, Axelerant	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12

		Drupal"		Technologies, Inc., Atlanta, US	
10	Drupal Tool	International Workshop on Open Source Software, Drupal	10 Sept. 2016	Mr. Nathan Roach (Japan), Content marketing associate, AxelerantTechnologies, Inc., Atlanta, US	PO1,PO2, PO3,PO4, PO5,PO9, PO10,PO11,PO12
11	Practical tool WEKA, used for data mining	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29-02 Sept.2016	Dr. Naveen Aggarwal, Associate Professor, UIET, P.U., Chandigarh	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
12	Concepts of IOT	Technical Session on Internet of Things	15 Oct.2016	Shri Kaushal Kumar, Technical Manager, e-Infochips, Ahmedabad – 380 006.	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
13	Concepts of BIG DATA	Workshop on Big Data	21 Jan.2017	Mr. Vimal Daga Linux World Pvt. Ltd. Jaipur	PO1,PO2, PO3,PO4, PO5,PO6, PO9, PO10,PO11,PO12
14	Discussed GATE Questions and Solution, Discussed Flex tool	Material Provided and discussed in class	1- 2 Feb.2017	C.J.Nega Cheltha & Abhishek Dixit	PO1 & PO2
15	Discussed the Data Compression Techniques to be used in the different research areas, Audio Compression and Video Compression	Taught in class and some Material Provided	3 March 2017	Kirti Choudhary	PO1, PO4,PO5

Table B.2.1.2b: Details of Expert Talk/Lecture(2016-17)

Session 2015-16

S.No	GAP	Action Taken	Date-Month-Year	Resource Person with designation	Relevance To POs
1	Basic concepts of Adv. JAVA	Special Interest Group on "JAVA"	08-20 Sept.2015	Ms. Vijaylaxmi, Asst. Professor	PO1,PO2, PO3,PO4, PO5,PO9, PO10,PO11,PO12
2	Concepts of Android	Special Interest Group on "Android"	08-20 Sept.2015	Mr. Arihant Jain, Asst. Professor	PO1,PO2, PO3,PO4, PO5, PO9, PO10,PO11,PO12
3	Introduction to PHP and MySQL	Special Interest Group on "PHP"	08-20 Sept.2015	Ms. Seema Yadav, Asst. Professor	PO1,PO2, PO3,PO4, PO5, PO9, PO10,PO11,PO12
4	Focus on Web Development	Special Interest Group on ".NET"	08-20 Sept.2015	Ms. Sarita, Asst. Professor	PO1,PO2, PO3,PO4, PO5,PO9, PO10,PO11,PO12
5	Concepts of Networking	Special Interest Group on "Networking"	08-20 Sept.2015	Ms. Priya Gupta, Asst. Professor	PO1,PO2, PO3,PO4, PO5, PO9, PO10,PO11,PO12
6	Free Web-based distance learning program	MOOC (Massive Open Online Course)	08-20 Sept.2015	Mr. Shashikant Singh, Asst. Professor	PO1,PO2, PO3,PO4, PO5,PO6, PO7, PO9, PO10,PO11,PO12
7	Cloud Computing	ICT BASED Short term course on "Cloud Computing" at NITTTR, Chandigarh	12-16 Oct.2015	NITTTR, Chandigarh	PO1,PO2, PO3,PO4, PO5,PO10, PO11,PO12
8	File System in NFS, distributed object based System	Material provided	12 March 2016	Geerija lavania	PO1,PO3,PO4
	Overview of sensor networks , Sensors in mobile phones	Taught in class	14 March 2016	Shashikant Singh	PO1,PO2,PO4,PO5

Table B.2.1.2c: Details of Expert Talk/Lecture(2015-16)

Session 2014-15

S.No	GAP	Action Taken	Date-Month-Year	Resource Person with designation	Relevance To POs
1	B-Tree, Selection Sorting, Merge Sorting, Discussed GATE Questions and solution	Lecture Taken, implementation done in Lab, Material Provided	10 Sept.2014 & 12 Sept. 2014	Anima Sharma& Richa Sharma	PO1,PO2,PO3,PO12
2	Discussed GATE Questions and solution, and industry work in Linux	Lecture Taken, implementation done in Lab	12 Sept.2014	Geerija lavania	PO1, PO2
3	Complexity, Notations, Np complete problem	Lecture, Videos	12 March 2015& 17 March 2015	Mukesh Agarwal	PO2,PO3,PO8
4	Discussed GATE Questions and Solution	Material Provided	13 April 2015 & 15 April 2015	C.J.Nega Cheltha	PO1 & PO2

Table B.2.1.2d: Details of Expert Talk/Lecture (2014-15)

Figure 2.1.2a: Some Glimpses of Workshop

Sample of Technical Events Details

S. No.	Event Name	Number of participants	Faculty In-Charge
1	TECH PROBE (Technical Quiz Open for All)	Open for All	By Anchors/Volunteers
2	JAVALETS (Coding Competition in JAVA)	64x2 = 128 (64 teams)	Ms. Hemlata Soni
3	JUST C (Coding Competition in C)	289x1 = 289 (289 teams)	Mr. Amit Mithal
4	REVERSE ENGINEERING (Hardware Assembling)	113x2 = 226 (130 teams)	Mr. Mukesh Agrawal
5	B-PLAN (Business Planning)	16x4 = 64 (16 teams)	Ms. Geetika Gautam
6	SUBITO (App & Web Development)	34x2 = 68 (34 teams)	Ms. Ashima Tiwari
7	EMBRYO (Technical Paper Presentation)	48x2 = 96 (48 teams)	Dr. Bhavna Sharma
8	ENLIGHTENMENT (Meditation)	56x1 = 56 (56 teams)	Mr. Mukesh Agrawal

Table B. 2.1.2e: Details of Technical Event Participation by Students Year 2016-17

In-house Training Conducted By Industry Experts

S. No	Gap	Action taken	Expertise	Duration	Attained POs	Attained PSOs
1.	Salesforce Technology	Salesforce Training	Mr. Rajesh	3 months	PO1-5, PO9-12	PSO1, PSO2
2	Forsk Technology	Training	Mr. Yogender	30 hours	PO1-5, PO9-12	PSO1, PSO2
3.	Redhat Technology	Training by Network Nuts	Mr. Alok Shrivastav	40 hours	PO1-5, PO9-12	PSO1, PSO2
4.	Soft and Personality Development Skills	Expert Talks	Prof. P.K. Tiwari	1 month	PO8, PO10, PO12	NA
5.	Aptitude, Qualitative And Quantitative	FACE Classes	FACE Experts	1 month	PO1, PO12	NA

Table B.2.1.2f: Details of In-house Training Conducted By Industry Experts

1. **Details of Industry VisitJaipur Metro Rail Corporation Ltd., Jaipur (2018-19)**

   Department of Computer Science and Engineering conducted industrial visit for students to Jaipur Metro Rail Corporation Ltd., Jaipur on January 2018. Jaipur Metro project is totally funded by the state government and its agencies, namely, Rajasthan Housing Board, Jaipur Development Authority, Rajasthan State Industrial Development and Investment Corporation Ltd. The Jaipur Metro uses cab signaling along with a centralized automatic train control system consisting of automatic train protection and automatic train signaling modules.

   - Faculty Coordinator : Mr. Gajendra Sharma, Mr. Ashish Ameria
   - Date of Visit : 31/09/2018
   - No. of Student : 150
   - Field of Industry : Service
   - SPOC of JMRC : Mr. Pulkit Mathur (DGM S&T)
     Mr. Arun (Chief Controller OCC)

2. **Metro Rail Corporation Ltd., Jaipur (2016-17)**

   Department of Computer Science and Engineering conducted industrial visit for 2nd Year students to Jaipur Metro Rail Corporation Ltd., Jaipur on 17th January 2017. Jaipur Metro project is totally funded by the state government and its agencies, namely, Rajasthan Housing Board, Jaipur Development Authority, Rajasthan State Industrial Development and Investment Corporation Ltd. The Jaipur Metro uses cab signaling along with a centralized automatic train control system consisting of automatic train protection and automatic train signaling modules.

   - Faculty Coordinator : Mr. Gajendra Sharma, Mr. Ashish Ameria
   - Date of Visit : 17/01/2017
   - No. of Student : 173
   - Field of Industry : Service
   - SPOC of JMRC : Mr. Pulkit Mathur (DGM S&T)
     Mr. Arun (Chief Controller OCC)

3. **The Industrial Visit at e-Infochips, Ahmadabad (2016-17)**

   Department of CSE conducted another successful industrial visit for 3rd year students to an IT cum Core Company, eInfochip Pvt. Ltd, Ahmadabad from Feb 19th-20th, 2017. The students got the golden opportunity to understand the know-how the IoT cloud live process.

   - Faculty Coordinator : Mr.Gajendra Sharma, Mr.Ashish Ameria, Ms.Deeksha
   - Date of Visit : 19/02/2017 - 20/02/2017
   - No. of Student : 27
   - Field of Industry : Software
   - SPOC of e-Infochips : Mr. Shashank Waman Khare (C.T.O)

3. T-START @ Jaipur (2017-18)

T-START Jaipur is situated in the mid of pink city Jhalana in Jaipur. T-START Jaipur is promoted by technical excellence institute of Department of Technical Education, Govt of Rajasthan known as Center for Electronic Governance. CEG is known for its mission is to inculcate technical skills in our youth. It advises Government towards digitalization of state and its functionaries. T-START Jaipur is best place for startups who wants to scale in IOT, travel and other sectors.

- Faculty Coordinator : Mr.Gajendra Sharma, Mr.Ashish Ameria
- Date of Visit : 31/08/2017
- No. of Student : 168
- Field of Industry : Startup
- SPOC of T-Start : Mr. Rohit Sharma (Assistant Manager)

4. Food-Tech By MSME (2015-16)

MSME Development Institute, Govt. of India conducted a National Exhibition cum Vendor Development Program. The program was a showcase of new generation technologies, exposition and concurrent technical sessions. The objective of the event was to promote B2B and B2C activities. Exhibitors ranged from different domains of Food Processing Industry - machinery, equipment, processed food products and support services.

- Faculty Coordinator : Mr.Gajendra Sharma, Ms.Anima Sharma
- Date of Visit : 19/09/2015
- No. of Student : 47
- Field of Industry : Ministry of Micro, Small & Medium Enterprises
- SPOC of Food Tech : Mr. Prashant Sharma (Dy. Director, Jaipur)

JMRC

eInfochips

Figure 2.1.2b: Some Glimpses of Industrial Visit

2.2. Teaching - Learning Processes (100)

2.2.1. DescribeProcessesfollowedtoimprove quality ofTeaching& Learning (25)

(Processes may include adherence to academic calendar and improving instruction methods using pedagogical initiatives such as real world examples, collaborative learning, quality of laboratory experience with regard to conducting experiments, recording observations, analysis of data etc. encouraging bright students, assisting weak students etc. The implementation details and impact analysis need to be documented)

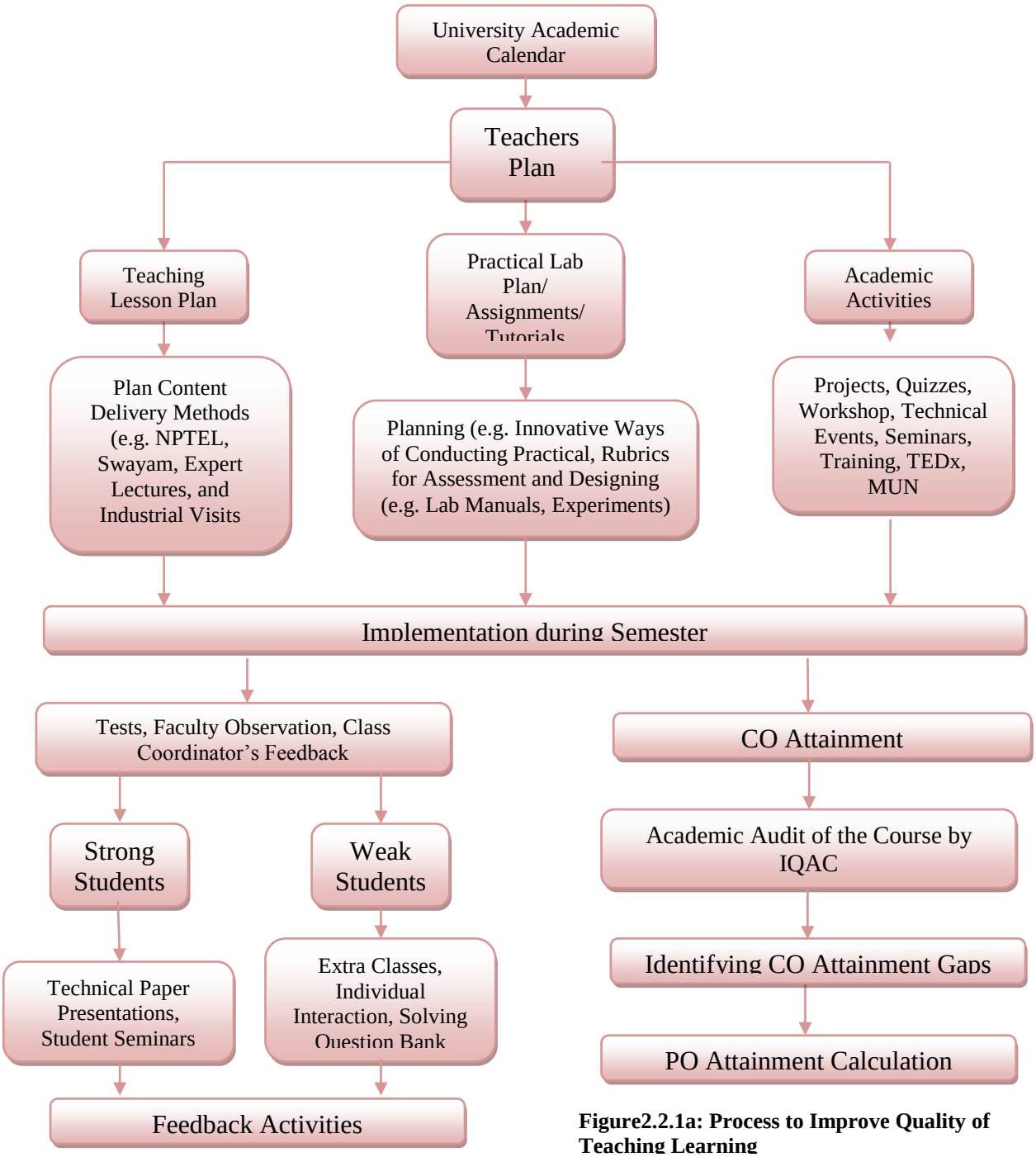


Figure2.2.1a: Process to Improve Quality of Teaching Learning

Teaching Learning Process

- **Departmental Academic Calendar**: It includes learning and assessment plans according to RTU standards, alluding Academic Calendar published on the college's site.
- **Various Modes of Lecture Delivery:** It includes recalling prior related topics, generating questions, responding to generated queries, focusing on analytical and creative thinking, problem solving ,providing notes etc.
- **Lab Work:** In labs, the delivery tothestudentsisperformedwiththehelpof latest software. Lab records are maintained by the students and checked in each lab.
- **Online Teaching Materials**: Faculty provides EBooks, videolecturematerial toenhancethecapabilityofstudentstonotonlyunderstandthecontextbutalso its practical approaches.
- **Student Evaluation**: It includes seminars conducted pertaining to each subject, Oral Questionnaire and Query Session in each lecture, Unit Tests and Assignments after the completion of eachunitinrespective subjects
- **Learning Program outcomes** are a unit obligatory for final and pre-final year students. Students build their minor and major comes below the direction of their several Guide colleges.
- **Invited Talks, Workshops and seminars** on the latest trends in technology are done from the industry person.
- **Industrial Visits** organized on yearly basis. Students undergoes for 60days Industrial training after 3rd year.
- **One to One discussion interaction** between Faculty Members and students.
- All the faculties are requested to maintain **attendance registers, course files, teacher's diary.**
- Department organizes many events for enhancing group learning, communication, professional ethics etc.

Teaching Quality

For improving teaching quality, the department follows all these processes which are shown in the diagram below.

- **Lectures:** Faculty of the CSE Department effectively teach students about a concerned subject. Faculty conveys significant information, history, background, theories, analogies and equations to make the concepts clear.

- **Tutorials:** Faculty helps the slow learners by solving more number of similar problems. Any specific problem is also entertained by Faculty Members.

- **Presentations:** Faculty members also provide PPT and Videos related to course. Videos effectively communicate the working of actual engineering solutions-long learning in the appropriate societal context.

- **Expert Lecture:** Department of Computer Science and Engineering invites industry experts for delivering the lecture/talk based on content of latest technology used in industry.

- **Experimental Laboratory Work:**Laboratory work demonstrates how theory can be verified by experiments through interpretation of results.

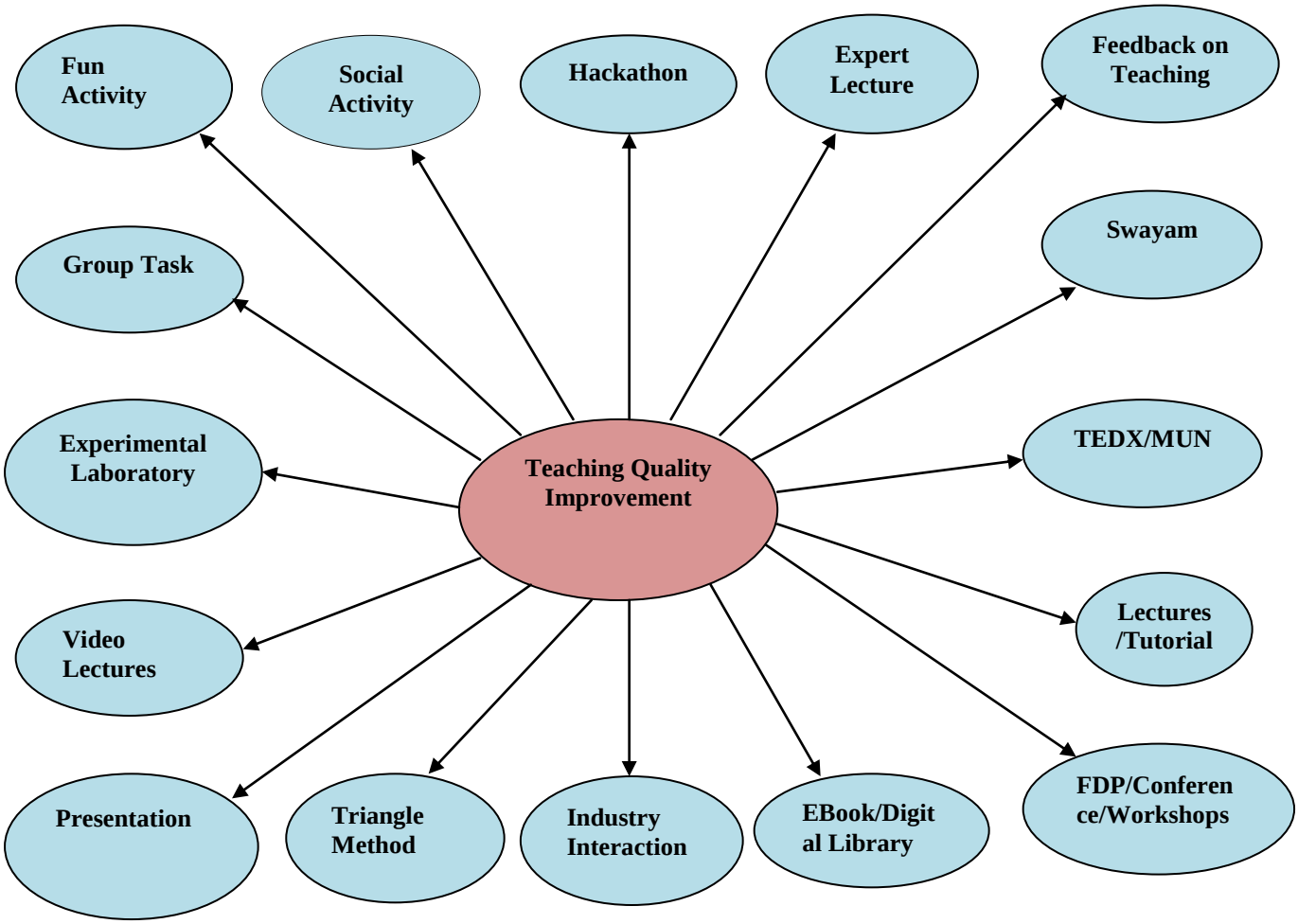


Figure2.2.1b: Components of Teaching Learning Process

- **Hand-outs:**Gives a quick insight to the course. It helps the slow learners to face the exams with confidence.
- **Triangle Method:** During lecture HOD visits class room along with two senior faculty members in which one of the faculty is the expert of the respective subject. They observe the teaching method followed by Faculty Member and analyzes the importance of content. After Class, HOD shares feedback to the faculty member.
- **Feedback on Teaching:** During semester HOD takes feedback from students on random basis. At the end of the semester concerned faculty members also takes feedback from students.

- **Hackathon:** JECRC Hackathon and Smart India Hackathon were organized to promote IT & e-governance initiatives. Coders, developers & designers will have a prodigious platform to use their out-of-the-box thinking on Bhamashah, e-Mitra, Artificial Intelligence, Internet of Things, AR/VR, Blockchain, Machine Learning and Data Mobility. The event will witness eminent IT leaders, dignitaries and respected Officials from Government of India.

- **Swayam:** its main objective is to provide all with best teaching learning resources. All the courses are interactive and prepared by best teachers in the country. Quality of content of the course is ensured by seven national coordinators namely, NEPTEL, UGC, CEC, NCERT, NIOS, IGNOU and IIMB.

- **TedX/MUN:** TedX talk organized JECRC to discuss various topics from the eminent personalities. JECRC Model United Nations (JECRC MUN) is an opportunity for participants to showcase their abilities by engaging them in substantial researching, critical thinking and public speaking.

- **Group Tasks:** Through group task the concepts of engineering that the student has understood in the course is showcased. This helps to do work in groups effectively.

- **Social Activity:**Gives a sense of social responsibility to a student under ABHUYDAY which includes Zarurat, Soch, Suhasini and Aashayen group.

- **FDP/Conference/Workshop:** Faculty members take knowledge about the latest technology and deliver the same to students.

- **E-Book/Digital Library/Video Lectures:** The facility of (multi Media) Digital Library is available where all interested students & faculty members may read e-books and e-journals which are available on NPTEL, expert lectures on you tube.

- **Fun Activity:** Here, each concerned faculty teaches his/her subject with the help of fun activity like making group and debates based on topics so that the student can learn the topic in visualized manner.

- **Center of Excellence:**under Centre of excellence different MOU's was done with industries to emphasize on Internship, Project, Workshop for Students and Industrial Visits, Students specific Training . These are Indo Vision Services Pvt. Ltd., SakRobotix Lab, Infosys Campus Connect, AICTE-Youth4Work, WadhwaniFoundation, CADD Centre,Forsk Technologies,RedHatTechnologies, Salesforce Technologies Ltd, and Sambhodhi Tech Solutions,Cyberops, Siemens Ltd.

Details of Faculty Development Program

To improve the quality of Teaching & Learning the department of Computer Science and Engineering organizes various activities like workshops,FDPs and other programs which have to minimize the gap identified. Thedetails of FDP are mentioned below.

Name of Faculty Member	2017-18	2016-17	2015-16
Ms. Manju Vyas	1. Workshop on Deep Learning at Bennet University,Greator Noida 5 Jun- 7 Jun 2018 2. Five Days FDP on Machine Learning Latex & Python at SKIT, Jaipur from 11Jun-15 Jun,2018	1.Short Term Course on Open Source Technology by NITTTR, AUG-16 2. Short Term Course on PHP & MySQL by NITTTR Jan-2017	1 Short Term Course on Wireless Network Technology by NITTTR, Nov-2015 2. Short Term Course on Cloud Computing by NITTTR, Oct-15
Ms. Shikha Maheshwari	1.Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Dr. Neelam Chaplot	1.Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1. Short Term Course on Open Source Technology by NITTTR, AUG-16	Nil
Dr. Bhavna Sharma	1. Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17 2. Attended FDP Soft Computing Techniques and Applications in Banasthali Vidyapeeth ,23-28 December 2017	1.Short Term Course on Open Source Technology by NITTTR, AUG-16 2 .Short Term Course on PHP & MySQL by NITTTR	Nil
Mr. Gajendra Sharma	1.Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Ms. Richa Sharma	1. Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17. 2. Parallel computing at MNIT, OCT-17. 3. IOT and Machine Learning at MNIT, Jan-18	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Ms. Anima Sharma	1.Short Term Course on BIG Data and Data Mining By	Nil	Nil

	NITTTR, SEPT-17		
Ms. Shikha Maheshwari	1.Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Mr. Rajan Kr. Jha	1.Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Mr. Prahalad Sharma	1.Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Mr. Sachin Gupta	1.Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Mr. Shailesh Arrawatia	1. Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	1.Short Term Course on Cloud Computing by NITTTR, OCT-15
Mr. Aashish Ameria	1. Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.Short Term Course on Open Source Technology by NITTTR, AUG-16	Nil
Dr. Sanjay Gaur	1Short Term Course on Data Mining and Business Intelligence through ICT By NITTTR, 4-8 SEPT17 2. Effective Implementation of NAAC criterian by IQAC RIT under TEQIP 10-11 march17	1. Faculty Development Program on Planning and Management through ICT by NITTR 18-24 Jan 2016, 2. FDP -workshop on "Structural Equation Modeling" FMS-MLSU Udaipur 27-28 Dec -2016 3. Advances in OFC Technology through ICT by NITTR dec-2016	Nil
Mr. Pradeep Sharma	1.Participated as Organizing Team Member in International Conference onEmerging Trends in Expert Applications & Security (ICETEAS 2018) atJECRC,Jaipur, FEB-2018 2. Participated in Short Term Course on Data Mining & Business Intelligence by N.I.T.T.R,Chandigarh, SEP-2017.	Participated in Short Term Course on Open Source Technology by N.I.T.T.R,Chandigarh, AUG-2016.	Participated in Short Term Course on Cloud Computing by N.I.T.T.R,Chandigarh, Oct-2015.

Ms. Neha Bharti	1. Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	1.One week ICT Based Short Term National level workshop on "PHP & MySQL" w.e.f. 23rd Jan 2017 to 27th Jan2017, in association with NITTTR, Chandigarh at JECRC, Jaipur. 2.Three days workshop on "self learing program on PYTHON & database" under Campus Connect FEP on Foundation Program 5.0 at Infosys,Chandigarh.w.e.f.14th December 16. 3.One week ICT Based Short Term National level workshop on "Open Source Technologies" w.e.f. 29th Aug.-2nd Sept., 2016 in association with NITTTR, Chandigarh at JECRC, Jaipur.	1.One week ICT Based Short Term National level workshop on "Wireless Network" w.e.f. 02-06 Nov, 2015 in association with NITTTR, Chandigarh at JECRC, Jaipur. 2.One week ICT Based Short Term National level workshop on "Cloud Computing" w.e.f. 12-16, October, 2015 in association with NITTTR, Chandigarh at JECRC, Jaipur. 3.One week ICT Based Short Term National level workshop on "NBA Accreditation and Quality Management" w.e.f. 24-28, August, 2015 in association with NITTTR, Chandigarh at JECRC, Jaipur.
Mr. Mukesh Agarwal	1.FDP on Effective Mentoring Skills-11-13 July 2017	Nil	Nil

Table B.2.2.1a: Details of Faculty Development Program

Sample of Lecture Plan: 6CS3A Theory of Computation

At the starting of Semester according to program curriculum, faculty designs lecture plan and discuss with the HOD for smooth delivery of respective course content to ensure the completion of course on time.

Course Outcomes:-

After Completion of Course Student will be able to

CO1: Examine Finite Automata and Regular Expression.
CO2: Classify regular sets of Regular Grammars.
CO3: Categorize Context Free Language and Design Pushdown automata.
CO4: Design Turing machine, compare Chomsky hierarchy languages and analyze Linear bounded automata.

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

Department of Computer Science and Engineering

LECTURE PLAN

Subject: Theory of Computation **Year/Sem/Sec: III/VI/A**

No. of Lecture Req./(Avl.) : (33)(/40)
Semester Starting Semester Ending:

Unit No./ Total lec. Req.	Topics	Lect. Req.	Lect. No.	Date of Delivery	Remark/ Actual lect. Taken
Unit-1 (5)	FA &RE- Introduction about TOC- Basic concepts of FA, DFA				
	Acceptability & Designing FA, NFA Introduction				
	NFA - Acceptability of String - Conversion of NFA to DFA				
	NFA with moves- Acceptability, Conversion to DFA				
	Minimization & Equivalence of FA				
	Moore & Mealy Machines				
	Conversion of Moore - Mealy Machine vice versa				
Unit-2(10)	Regular sets of RG- Basic Definition of formal Languages & Grammars				
	Regular Expression - Regular Grammar				

	Regular Languages- RE- Conversion of FA to RE vice versa				
	Conversion of RE to NF with moves- Thompson's Rule				
	Conversion of RE to DFA, Equivalence of RE				
	Elimination of moves from the transition system				
	Closure proportion for Regular set- Arden's Theorem				
	Pumping lemma for regular sets				
	Decision Algorithm for Regular set's- Myhell Nerod Theory- Organization of FA				
Unit 3- (7)	CFG- Derivations of Languages- Relationship Between Derivation & Tree- Ambiguity				
	Eliminating Ambiguity in Grammar & Left Factoring				
	Eliminating Left Recursion, Useless Symbol, Null and unit Production				
	Normal Form- Chomsky Normal Form				
	GNF- Lemma 1 & Lemma 2				
	PDA- Instantaneous Description- DPDA & CFL- Pumping Lemma- Application				
Unit 4- (6)	Turing Machines- Computable Languages & Functions- Construction				
	Storage in Finite Control- Multiple Tracks- Checking of Symbols- Subroutine				
	Two way infinite tape- Undesirability- Properties of Recursive & RE Language				
	Universal Turing Machines as an Undecidable Problem- Universal Language- Rice Theorem				
Unit 5- (6)	LBA- CSL-Chomsky Hierarchy of Languages & Automata				
	Organization of LBA Properties of Context Sensitive Language				

Recommended books:
1. Aho, Hopcroft and Ullman, Introduction to Automata Theory, Formal Languages and Computation, Narosa
2. Cohen, Introduction to Computer Theory, Addison Wesley
3. Papadimitriou, Introduction to Theory of Computing, Prentice Hall.

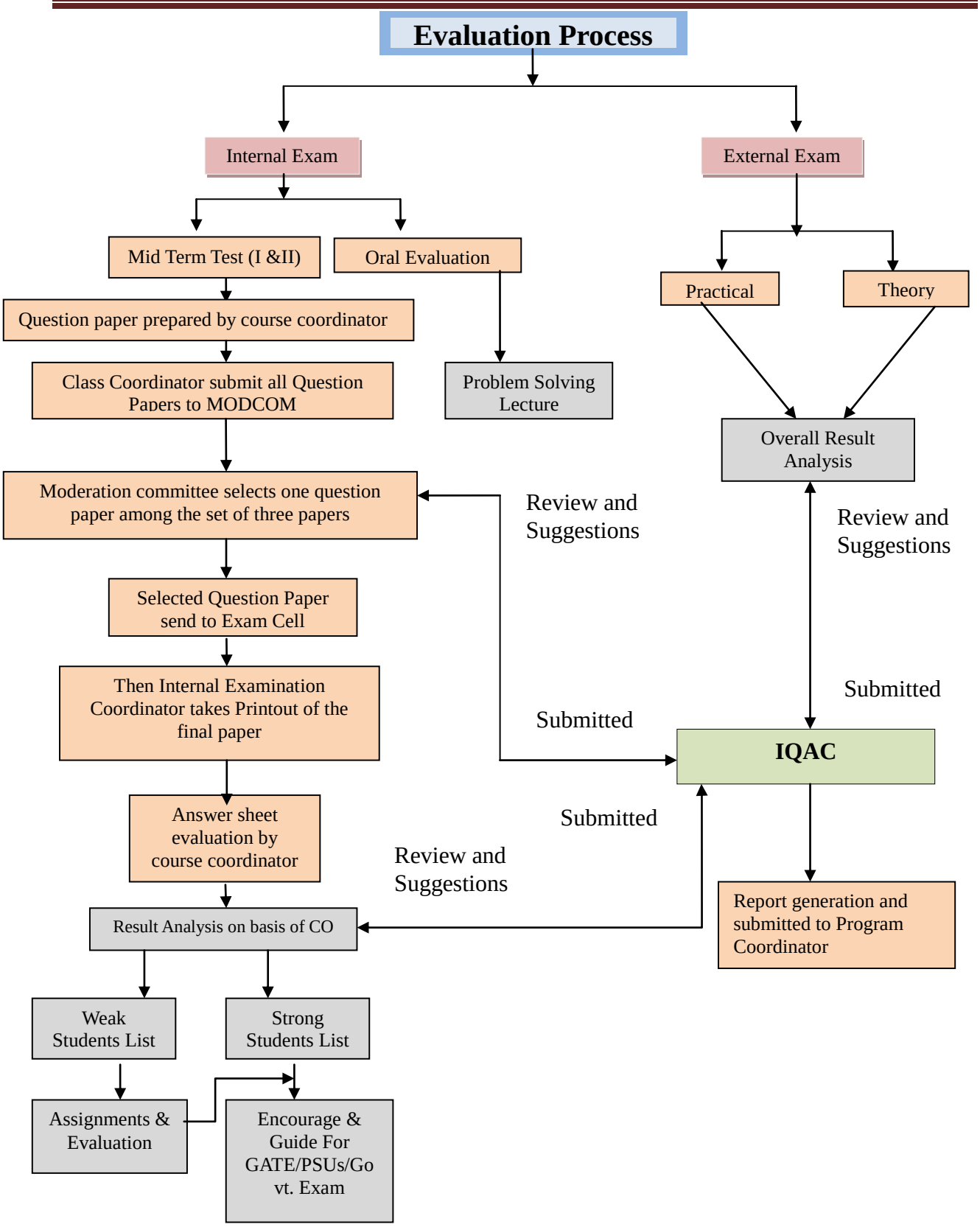


Figure 2.2.1c: Examination Evaluation Process

Evaluation Process and Reforms

The department follows the below steps for smooth conduction of examination and evaluation Process:

- The department adhere academic calendar prescribed by RTU, Kota
- There is departmental Examination Committee in which two faculty members are included for conduction of Internal Examination and Two for External Examination.

a. The committee circulates notice a week before the commencement of examination by taking prior approval from HOD.

b. Course Coordinator prepares and submit their question paper to respective class coordinator

c. Then class coordinator submits all question papers to Moderation Committee.

d. Moderation Committee in coordination with IQAC selects one question paper among the set of three papers.

e. Selected Question paper send to Internal Examination Coordinator then internal examination coordinator takes printout of the final paper.

f. During the exam two invigilators are assigned in each class room and students sits in the class rooms according to appropriate seating plan.

g. After the completion of exam, answer sheets evaluation, result analysis on basis of CO, weak/strong student list is prepared by course coordinator and submitted to Internal Examination Coordinator. Along with the soft copy.

h. If student secures marks less than 60% in some particular CO then he/she will be considered as weak student. Then course coordinator provides assignment to them and evaluates.

i. Student who secures marks greater than 60% in some particular CO then he/she will be considered as strong student. Then they will be encouraged & motivated for GATE/PSUs/Govt. Exam.

Student Performance and Learning Outcomes

- The department gives emphasis on concept building and exposure of latest knowledge of the subject. For this following measures are taken: practical exposure, communication skill, ethical values, and social responsibilities. Departments have incorporated presentations, case studies, group discussion, class tests and tutorials
- For **developing communication skills**, group discussions, presentation on theory based and general topics are regularly carried out in the class.
- For defining the graduate's attributes, **program outcomes are drafted** for which the evaluation is done accordingly.
- Course outcomes are defined not only for the subjects but their respective labs also. Then course outcomes are mapped with the program outcomes. This mapping depicts the achievement of the particular learning outcome.
- The **examination evaluation** is also performed on the basis of course outcomes which ensure the result of the achievement of outcomes. Generally this criterion for achievement is 60%.
- **Assignments** for weak students on the basis of **CO Analysis.**

2.2.2. Quality ofInternalSemester Question Papers, Assignments andEvaluation (20)

(Mention the initiatives, implementation details and analysis of learning levels related to quality of semester question papers, assignments and evaluation)

For improving the quality of question papers, assignments andevaluationprocessthe department has drafted a committeenamed as ModerationCommittee and Internal Quality Assurance Committee (IQAC) whichensures the evaluation flows in the correct way.

The department follows the below steps for Quality ofInternal SemesterQuestion Papers, Assignments andEvaluation.

- The department adhere academic calendar prescribed by RTU,Kota
- There is departmental Examination Committee in which two faculty members are included for conduction of Internal Examination and Two for External Examination.

*sample notice for preparing question paper

EXAMINATION NOTICE

All faculty members who are handling B.Tech (CSE) 3rd semester are requested to send the soft copy of the question paper and solution in proper format for MTT-2 on or before 14th November 2017 to corresponding class coordinators. Syllabus for MTT-2 is remaining 2.5 Units. Subject of Email and document/file name should be in this format, i.e. subject_code_subject_name_section_facultyname_question/solution.

All Class coordinators of 3rd semester are requested to send soft copy of question papers and solutions of your respective class to moderation committee on 15th November 2017 at modcom.cse@jecrc.ac.in positively. Subject of Email should be in this format, i.e. semester_section_cc name.

The Moderation committee is requested to submit hard copies of question papers to the internal exam coordinators on or before 16th November 2017, also requested to send (soft copy) solution of selected papers to iexam.cse@jecrc.ac.in on 23rd November 2017.

The pattern of question paper is

1. The Question Paper will be of 1 hour & 30 Minutes duration.
2. Question Paper should contain GATE& RTU questions.
3. Course outcome marks should be balanced.
4. The Question paper format is given below

Section	Type of Questions	Marks
A	MCQ	10
B	Subjective	15
C	Subjective	15
Total		40

a) The committee circulates notice a week before the commencement of examination by taking prior approval from HOD. And also circulate a notice among all the faculty members to prepare question paper of their respective subjects.
b) Course Coordinator prepares and submit their question paper to respective class coordinator
c) Then class coordinators submit all question papers to Moderation Committee.
d) Moderation Committee in coordination with IQAC selects one question paper among the set of three papers.
e) Selected Question paper send to Internal Examination Coordinator then internal examination coordinator takes printout of the final paper.
f) During the exam two invigilators are assigned in each class room and students sits in the class rooms according to appropriate seating plan.
g) After the completion of exam, answer sheets evaluation, result analysis on basis of CO, weak/strong student list is prepared by course coordinator and submitted to Internal Examination Coordinator along with the soft copy.

h) If student secures marks less than 60% in some particular CO then he/she will be considered as weak student. Then course coordinator provides assignment to them and evaluates.

i) Student who secures marks greater than 60% in some particular CO then he/she will be considered as strong student. Then they will be encouraged & motivated for GATE/PSUs/Govt. Exam.

MODCOM committee has been formed to ensure the quality of continuous internal assessment process.The following members are being the part of this Committee.

Session 2017-18

S.NO	FACULTY NAME	QUALIFICATION	DESIGNATION	ROLE
1	Dr. Vijay Singh Rathore	Ph.D,M.Tech,MCA, MBA	Professor& HOD	Chair
2	Dr.Bhavna sharma	Ph.D,M.Tech,MCA	Associate Professor	Member
3	Dr. Sanjay Gaur	Ph.D,M.Tech	Associate Professor	Member
4	Dr. Nilam Chaudhary	Ph.D,M.Tech	Associate Professor	Member
5	Mr. Mukesh Agarwal	M.Tech, B.E.	Asst.Professor	Member
6	Mr. Gajendra Sharma	M.Tech, MCA	Asst.Professor	Member

Session 2016-17

S.NO	FACULTY NAME	QUALIFICATION	DESIGNATION	ROLE
1	Ms. Neelam Chaplot	M.Tech,BE	Associate Professor	Chair
2	Dr.Bhavna sharma	Ph.D,M.Tech,MCA	Associate Professor	Member
3	Mr. Gajendra Sharma	M.Tech, MCA	Asst. Professor	Member
4	Mr. Ankur Raj	M.Tech, B.Tech	Asst. Professor	Member
5	Ms. Priya Gupta	M.Tech, B.Tech	Asst. Professor	Member

Session 2015-16

S.NO	FACULTY NAME	QUALIFICATION	DESIGNATION	ROLE
1	Ms. Neelam Chaplot	M.Tech,BE	Associate Professor & HOD	Chair
2	Mr. Mukesh Agrawal	M.Tech,B.E.	Associate Professor	Member
3	Mr. Amit Mithal	M.Tech,B.Tech	Asst.Professor	Member
4	Mr.GajendraSharma	M.Tech, MCA	Asst.Professor	Member

Table B.2.2.2a: Details of Moderation Committee

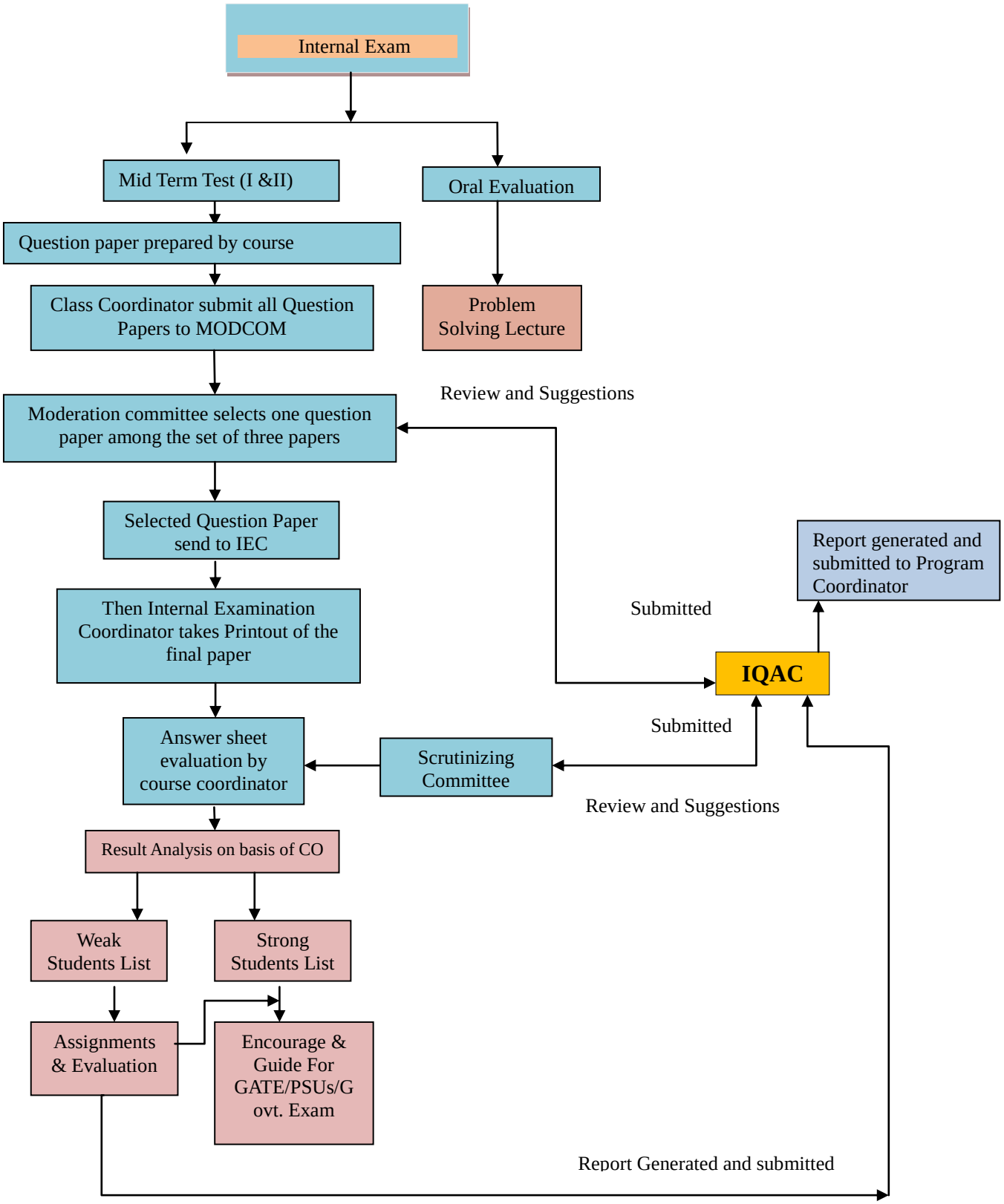


Figure 2.2.2a: Process of Quality of Internal Question Papers, Semester Assignments and Evaluation

***Sample MTT Paper**

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
Department of Computer Science and Engineering
SUBJECT : Theory of Computation
CODE : 6CS3A
TIME:1:30 Hr **MTT-I** **MM: 40**

COURSE OUTCOMES
On Completion of this course, student will be able to:

- **CO1:** Analyze Finite Automata & Regular Expression and also differentiate Non- Deterministic Finite Automata and Deterministic Finite Automata
- **CO2:** Categorize regular sets of Regular Grammars.
- **CO3:** Categorize Context Free Language and Design Pushdown automata.
- **CO4:** Design Turing machine, Compare Chomsky hierarchy languages and also analyze Linear bounded automata.

Instructions: Attempt all sections

SECTION A

Attempt all questions (objective/fill in the blank) **(10 x 1)**

Q1. (CO1). There are _____ tuples in finite state machine.

A. 5 B. 4
C. 6 D. unlimited

Q2. (C01). In DFA Transition function maps.

A. $\Sigma * Q \rightarrow \Sigma$ B. $Q * \Sigma \rightarrow Q$
C. $\Sigma * \Sigma \rightarrow Q$ D. $Q * Q \rightarrow \Sigma$

Q3. (CO1). If two finite state machines are equivalent, they should have the same number of

A states B. edges

SECTION C

Attempt any one part

Q1.A.(CO2). i. Write Regular Expression for the language accepting the strings which are starting with 1 and ending with 0, over the set $\sum=\{0, 1\}$ [1]

ii. Write Regular Expression for the language consisting of all words over the set $\sum =\{ a,b \}$ having "aa" as a substring [2]

iii. Write Regular Expression for the string in which any number of a's followed by any number of b's is followed by any number of c's over the set $\sum=\{a,b,c\}$ [2]

Q1.B.(CO2). Construct a NFA for Regular Expression (a+b)*abb using Thompson rule [10]

(OR)

Q2.A.(CO2). Construct DFA for the regular Expression (a+b)*(aa+bb)(a+b)* [7]

Q2.B.(CO2). If a Language L consisting of all strings over {a,b} ending in 'a' then prove that L is regular Language using Myhill- Nerode Theorem [8]

C. states and edges D. none of these

Q4. (CO1). There are _____ tuples in mealy machine

A. 5 B. 7

C. 6 D. None of the above

Q5. (C01). In moore model outputs depends on

A. Present state B. Input state

C. Next state D. Both A and B

Q6. (CO2). The word 'formal' in formal languages means

A. the symbols used have well-defined meaning B. they are unnecessary, in reality

C. only form of the string of symbols is significant D. Both (a) and (b)

Q7. (CO2). Finite state machine can recognize

A. any grammar B. only context-free grammar

C. Only regular grammar D. None

Q8. (CO2). Which two of the following four regular expressions are equivalent? (ε is the empty string).
(i) (00)*(ε + 0) (ii) (00)* (iii) 0* (iv) 0(00)*
[GATE 1996]

A. ((i) & (ii) B. (ii) & (iii)

C. (i) & (iii D. (iii) & (iv)

Q9. (C02). Pumping lemma is based on which principal

A. Brute force B. Pigeon hole

C. Context free Grammar D. None of the above

Q10.(CO2). Regular expressions are closed under

A. Union B. Intersection

C. Kleen Closure D. All of the above

SECTION B

Attempt any one part

Q1.A.(CO1) Explain the basic concept of finite state system. Also explain the terms initial state, final state and non final state [15]

(OR)

Q2.A.(CO1) Construct Mealy machine equivalent to the given Moore Machine [8]

Present State	Input=0 Next State	Input=1 Next State	Output
→q_0	q_0	q_1	0
q_1	q_2	q_3	1
q_2	q_1	q_3	0
q_3	q_3	q_0	1

Q2.B.(CO1) Explain the difference between Mealy and moore machine [7]

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
Department of Computer Science and Engineering
SUBJECT : Theory of Computation
CODE : 6CS3A
TIME:1:30 Hr **MTT-II** **MM: 40**

COURSE OUTCOMES
On Completion of this course, student will be able to:

- **CO1:** Analyze Finite Automata & Regular Expression and also differentiate Non- Deterministic Finite Automata and Deterministic Finite Automata
- **CO2:** Categorize regular sets of Regular Grammars
- **CO3:** Categorize and Context free language and Design Pushdown automata
- **CO4:** Design Turing Machine and compare Chomsky hierarchy languages and also analyze Linear bounded automata.

Instructions: Attempt all sections

SECTION A

Attempt all questions (objective/fill in the blank) **(10 x 1)**

Q1. (CO3). A grammar that produce more than one parse tree is called as [GATE 2004]

A. Ambiguous B. umambiguous
C. Regular D. None of the above

Q2. (C03). The C language is [GATE 2010]

A. A Context free Languague B. A context language
C. A regular Language D. Parsable fully only by a turing machine

Q3. (CO3). CFG can be recognized by

SECTION C

Attempt any one part

Q1.A.(C04) Design Turing machine M that recognize the language $\{0^n1^n \mid n \geq 1\}$ [5]

Q1.B. (C04). Explain Chomsky Hierarchy of Languages in detail [10]

(OR)

Q2.A.(C04) Write short notes on
i. Universal turing Machine [3]
ii. Halting problem [2]

Q2.B.(C04) Write short notes on Linear Bounded Automata [5]

Q2.C.C04). Check whether the given production is Context Sensitive grammar or not [5]

a. A→BB
b. aBAbCD → abcDbcd

A Push Down Automata B. 2-way LBA
C. Both (A) & (B) D. None of the above

Q4. (CO3). PDA has _____ as auxiliary memory

A. Infinite tape B. Stack
C. Finite Tape D. Queue

Q5. (C03). A production is said to be unit production when its RHS is a single

A. Symbol B. Non Terminal
C. Terminal D. Epsilon

Q6.(CO4). Universal Turing machine influenced the concept of

A. A stored program B. computability
C. both (A) and (B) D. neither (a) or (b)

Q7. (CO4). Correct hierarchical relationship among context- free, right-linear, and context-sensitive language is

A. context-free ⊂ right-linear ⊂ context-sensitive B. context-free ⊂ context-sensitive ⊂ right-linear
C. context-sensitive ⊂ right-inner ⊂context-free D. right-linear ⊂context-free ⊂context-sensitive

Q8. (CO4). Which of the following pairs have DIFFERENT expressive power?

[GATE 2011]

A. DFA and Non-Deterministic finite automata(NFA) B. DPDA and Non-deterministic pushdown automata
C. Deterministic single-tape Turing machine and Non-deterministic single-tape Turing Machine D. Single-tape Turing machine and multi-tape Turing machine

Q9. (C04). Type 3 Grammar is also called as

A. Unrestricted Grammar B. Context Sensitive Grammar
C. Context free Grammar D. Regular Grammar

Q10.(CO4). Which of the following are decidable ?
1. whether the intersection of two 1.regular language is infinite.
2. whether a give context free language is regular
3. whether two push down automata accept the same language.
4. whether a given grammar is context free[GATE 2008]

A. 1 and 2 B. 1 and 4
C. 2 and 3 D. 2 and 4

SECTION B

Attempt any one part

Q1.A.(CO3) Convert the following grammar in to GNF [15]
S->AB
A->BS | b
B->SA | a

(OR)

Q2.A.(CO3) Design a PDA for a Machine M which accept the string $n_a(w)<n_b(w)$ where w€(a+b)* [10]

Q2.B.(CO3) Explain the working of pushdown automata [5]

Criterion to provide assignments to the students

1. After the completion of exam, answer sheets evaluation, result analysis on basis of CO, weak/strong student list is prepared by course coordinator and submitted to Internal Examination Coordinator. Along with the soft copy.
2. If student secures marks less than 60% in some particular CO then he/she will be considered as weak student. Then course coordinator provides assignment to them and evaluates.
3. Student who secures marks greater than 60% in some particular CO then he/she will be considered as strong student. Then they will be encouraged & motivated for GATE/PSUs/Govt. Exam.
4. On the completion of each unit there is a common assignment for all students to implement, analyze and for better understanding of respective course content.
   The tables are shown below representing sample of Internal Assessment on the basis of CO and weak student list.

Sample of CO Analysis

Examination: B.TECH Main						**Year/Semester/Section/ Session IV** /VII / A/2016-17						
Name of College: JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE												
Branch: COMPUTER SCIENCE & ENGINEERING												
Subject & Code No.: Compiler Construction & 7CS5A												
				MTT2		**Result Analysis MTT2**						
Sr. No.	**University Roll No.**	**Roll No.**	**Name of Candidate**	**40**	**10**	**Obtained CO3/Total CO3**	**% age**	**Below-60% in CO3**	**Obtained CO4/Total CO4**	**% age**	**Below-60% in CO4**	
1	13EJCCS001	1	AASHI MANAK BOHARA	33	9	16.5	82.5	N	16.5	82.5	N	
2	13EJCCS002	2	AAYUDH THAKUR	32	8	16.5	82.5	N	15.5	77.5	N	
3	13EJCCS003	3	AAYUSH SRIVASTAVA	34	9	17.5	87.5	N	16.5	82.5	N	
4	13EJCCS004	4	ABHISHEK JAIN	35	9	17.5	87.5	N	17	85	N	
5	13EJCCS005	5	ABHISHEK JAIN	36	9	18.5	92.5	N	17.5	87.5	N	
6	13EJCCS006	6	ABHISHEK LADDHA	37	10	18.5	92.5	N	18.5	92.5	N	
7	13EJCCS007	7	ABHISHEK RAJ	32	8	17	85	N	15	75	N	
8	13EJCCS008	8	ABHISHEK SHARMA	35	9	17	85	N	18	90	N	
9	13EJCCS010	9	ADITI SHARMA	34	9	16.5	82.5	N	17.5	87.5	N	
10	13EJCCS011	10	ADITYA MATHUR	32	8	16.5	82.5	N	15	75	N	
11	13EJCCS012	11	AKANKSHA PANDEY	20	5	12	60	N	8	40	Y	
12	13EJCCS013	12	AKSHAY MISHRA	35	9	17.5	87.5	N	17	85	N	
13	13EJCCS015	13	AKSHIT GUPTA	34	9	17.5	87.5	N	16.5	82.5	N	
14	13EJCCS016	14	AMAN KUMAR LATA	35	9	19	95	N	15.5	77.5	N	
15	13EJCCS018	15	AMOGH PAREEK	32	8	16.5	82.5	N	15.5	77.5	N	
16	13EJCCS019	16	ANIRUDH BANSAL	35	9	17	85	N	18	90	N	
17	13EJCCS020	17	ANJALI SHARMA	36	9	18	90	N	17.5	87.5	N	
18	13EJCCS021	18	ANJALI SINGH	35	9	17	85	N	18	90	N	
19	13EJCCS022	19	ANKIT SHARMA	23	6	13	65	N	10	50	Y	
20	13EJCCS023	20	ANKUSH GOYAL	35	9	16.5	82.5	N	18.5	92.5	N	
21	13EJCCS024	21	ANSHIKA BANGROO	26	7	16	80	N	10	50	Y	
22	13EJCCS025	22	ANUJ JAIN	34	9	17.5	87.5	N	16	80	N	
23	13EJCCS026	23	ANUJ RASTOGI	34	9	17.5	87.5	N	16.5	82.5	N	
24	13EJCCS027	24	ANURAG SAINI	33	9	18.5	92.5	N	14	70	N	
25	13EJCCS028	25	APOORV DIXIT	0	0		0	Y		0	Y	
26	13EJCCS029	26	APOORVA JAIN	33	9	15.5	77.5	N	17	85	N	
27	13EJCCS030	27	ARCHIT WADHWA	31	8	15	75	N	16	80	N	
28	13EJCCS031	28	ARPIT TOSHNIWAL	32	8	17	85	N	15	75	N	

Sample of Weak Student List:

Department of Computer Science & Engineering

II Mid Term Test (2016-17)

List of weak Students

Year & Semester:- IIV & VII -A

Subject & Code: Compiler Construction & 7CS5A

Faculty: C.J.Nega Cheltha

S. No	Name of student	**CO3 (Y/N)**	**CO4 (Y/N)**	**Assignment given to Weak Students CO3(Y/N)**	**Assignment given to Weak Students CO4(Y/N)**
1	AKANKSHA PANDEY	N	Y	N	Y
2	ANKIT SHARMA	N	Y	N	Y
3	ANSHIKA BANGROO	N	Y	N	Y
4	DEEPAK SHARMA	Y	N	Y	N
5	DEEPANKER KUMAR	N	Y	N	Y

Assignment Based on CO3:

1. Explain the syntax directed translation schemes in detail

Assignment Based on CO4

1. What is the advantage of DAG. Write steps for constructing DAG

Rajasthan Technical University			
Examination: B.TECH Main Shift-I Year/Semester/Section IV/VII/A Session 2016-17			
Name of College: JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE			
Branch: COMPUTER SCIENCE & ENGINEERING			
Subject and Code No.: Compiler Construction & 7CS5A			
Sr. No.	Name of Candidate	CO3	CO4
		10	10
1	AKANKSHA PANDEY	NA	8
2	ANKIT SHARMA	NA	7
3	ANSHIKA BANGROO	NA	8
4	DEEPAK SHARMA	8	NA
5	DEEPANKAR KUMAR	NA	8

CO Wise Assignments

C01 :Q.1 what the different phases of complier? Explain with examples

CO2: Q.2Calculate canonical collection of set of LR(1) items for the grammar given below

S'->S

S->CC

C->CC/d

CO3:Q.3.Explain the syntax directed translation schemes in detail

CO4:Q.4 What is the advantage of DAG. Write steps for constructing DAG

Assignment's award list

Examination: B.TECH Main Shift-I Year/Semester/Section IV/VII/A Session 2016-17					
Name of College: JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE					
Branch: COMPUTER SCIENCE & ENGINEERING					
Subject and Code No.: Compiler Construction & 7CS5A					
Sr. No.	Name of Candidate	CO1	CO2	CO3	CO4
		10	10	10	10
1	AAYUSH SRIVASTAVA	NIL	6	NIL	NIL
2	ABHISHEK RAJ	NIL	6	NIL	NIL
3	AKANKSHA PANDEY	6	6	NIL	8
4	AKSHAY MISHRA	NIL	6	NIL	NIL
5	AMOGH PAREEK	7	7	NIL	NIL
6	ANIRUDH BANSAL	NIL	7	NIL	NIL
7	ANUJ JAIN	NIL	7	NIL	NIL
8	ANURAG SAINI	NIL	6	NIL	NIL
9	ARCHIT WADHWA	NIL	7	NIL	NIL
10	ARPIT TOSHNIWAL	NIL	6	NIL	NIL
11	ASHISH KUMAR	NIL	7	NIL	NIL
12	ASHUTOSH SHUKLA	NIL	8	NIL	NIL
13	AYUSH GOYAL	NIL	6	NIL	NIL
14	BHARAT GUPTA	NIL	6	NIL	NIL
15	BUL BUL KOUL	NIL	8	NIL	NIL
16	CHAITANAYA SETHI	NIL	9	NIL	NIL
17	CHAITANYA SWARAJ	NIL	9	NIL	NIL
18	CHIRAG JAIN	NIL	8	NIL	NIL
19	DEEPAK SHARMA	NIL	7	8	NIL
20	DEKSHANT KHANDELWAL	NIL	6	NIL	NIL
21	DEVANSH SETHI	NIL	6	NIL	NIL
22	DIKSHA AGGARWAL	NIL	6	NIL	NIL
23	GAURAV MAYANK	NIL	6	NIL	NIL
24	GUNJAN BHARDWAJ	NIL	7	NIL	NIL

To improve the course outcome achievement less than 60% we perform **Unit Tests** after the completion of each unit in each subject. They are again evaluated to ensure they achieve the criterion of course outcome in each subject. Other measures are

- **Mentoring** of Weak Student on regular basis.
- On Wednesday 3:00 – 5:00 PM **Extra Class** for Weak Students as well as for interested students also.
- **Swayam:** its main objective is to provide all with best teaching learning resources. All the courses are interactive and prepared by best teachers in the country. Quality of content of the course is ensured by seven national coordinators namely, NEPTEL, UGC, CEC, NCERT, NIOS, IGNOU and IIMB.
- **Lectures:** Faculty of the CSE Department effectively teach students about a concerned subject. Faculties convey significant information, history, background, theories, analogies and equations to make the concepts clear.
- **Tutorials:** Faculty helps the slow learners by solving more number of similar problems. Any specific problem is also entertained by Faculty Members.

- **Presentations:** Faculty members also provide PPT and Videos related to course. Videos effectively communicate the working of actual engineering solutions-long learning in the appropriate societal context.
- **Experimental Laboratory Work:** Laboratory work demonstrates how theory can be verified by experiments through interpretation of results.
- **Group Tasks:** Through group task the concepts of engineering that the student has understood in the course is showcased. This helps to do work in groups effectively.
- **Hand-outs:** Gives a quick insight to the course. It helps the slow learners to face the exams with confidence
- **Social Activity:** Gives a sense of social responsibility to a student under ABHUYDAY which includes Zarurat, Soch, Suhasini and Aashayen group.
- **FDP/Conference/Workshop:** Faculty members take knowledge about the latest technology and deliver the same to students.
- **E-Book/Digital Library/Video Lectures:** The facility of (multi Media) Digital Library is available where all interested students & faculty members may read e-books and e-journals which are available on NPTEL, expert lectures on you tube.
- **Fun Activity:** Here, each concerned faculty teaches his/her subject with the help of fun activity like making group and debates based on topics so that the student can learn the topic in visualized manner.
- **Center of Excellence::**under Centre of excellence different MOU's was done with industries to emphasize on Internship, Project, Workshop for Students and Industrial Visits, Students specific Training . These are Indo Vision Services Pvt. Ltd. SakRobotix Lab, Infosys Campus Connect, AICTE-Youth4Work, WadhwaniFoundation,

CADDCentre,ForskTechnologies, RedHatTechnologies, Salesforce Technologies Ltd, Sambhodhi Tech Solutions, Cyberops, Siemens Ltd.

T**he department ensures the correctness in the evaluation system of internal semester examinations with** scrutinizing committee which scrutinizes theanswersheetsas well as checks whether thereisanyissueintheevaluation. HOD can also scrutinize any answer sheet on random basis to ensure the correctness in the evaluation system.

Sample of Scrutinizing Committee

JAIPUR ENGINERRING COLLEGE & RESEARCH CENTRE
DEPARTMENT OF COMPUTER SCIENCE & ENGINERRING
EXAMINATION NOTICE
4TH SEMESTER SCRUITNIZER NAME LIST

SUBJECT	SECTION	FACULTY NAME	SCRUITNIZER NAME
MP	A	KIRTI CHOUDHARY	PRAHLAD SHARMA
	B	PRAHLAD SHARMA	KIRTI CHOUDHARY
	C	RAJAN JHA	PRAHLAD SHARMA
	D	PRAHLAD SHARMA	RAJAN JHA
DMS	A	YOGITA PUNJABI	Dr. PRAMILA VIJAYVARGIYA
	B		
	C		
	D		
SPT	A	Dr. PRAMILA VIJAYVARGIYA	YOGITA PUNJABI
	B		
	C		
	D		
SE	A	GEERIJA LAVANIYA	Dr. NILAM CHOUDHARY
	B	VATAN MISHRA	Dr. SANJAY GAUR
	C	Dr. NILAM CHAUDHARY	GEERIJA LAVANIYA
	D	Dr. SANJAY GAUR	VATAN MISHRA
POC	A	MOHIT RAJPUT	S.S MANAKTALA
	B	S.S MANAKTALA	MOHIT RAJPUT
	C	DEVENDRA SHARMA	MOHIT RAJPUT
	D	MOHIT RAJPUT	DEVENDRA SHARMA
PPL	A	RICHA UPADHYAY	SAROJ AGARWAL
	B	SAROJ AGARWAL	RICHA UPADHYAY
	C	RICHA UPADHYAY	SAROJ AGARWAL
	D	SAROJ AGARWAL	RICHA UPADHYAY

2.2.3. Quality of Student Projects (25)

(Quality of the project is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. Processes related to project identification, allotment, continuous monitoring, evaluation including demonstration of working prototypes and enhancing the relevance of projects. Mention Implementation details including details of POs and PSOs addressed through the projects with justification)

The projects are mandatory for VII semester and VIII semester students. Students make their **minor and major projects** under the supervision of their respective Guide Faculties. In VII semester student make their minor project which carries 50 marks in RTU curriculum. The student may extend the minor project into major project in VIII semester which carries 200 marks in RTU curriculum.

To ensure the quality of projects, IQAC along with project in-charge evaluates the projects submitted by students. The following members being the part of this Committee as shown in table:

S.NO	FACULTY NAME	QUALIFICATION	DESIGNATION	ROLE
1	Dr. Vijay Singh Rathore	Ph.D,M.Tech,MCA,MBA	Professor& HOD	Chair
2	Dr.Bhavna Sharma	Ph.D,M.Tech,MCA	Associate Professor	Project Coordinator
3	Dr. Sanjay Gaur	Ph.D,M.Tech	Associate Professor	Member
4	Dr. Nilam Chaudhary	Ph.D,M.Tech	Associate Professor	Member
5	Mr. Mukesh Agarwal	M.Tech, B.E.	Asst.Professor	Member
6.	Ms. Manju Vyas	M.Tech, B.E.	Asst.Professor	Member
7.	Mr.Ankur Raj	M.Tech, B.E.	Asst.Professor	Co-Coordinator

Table B.2.2.3a: Details of Members Involved in Project Evaluation

On completion of the Project:	
CO1	Graduates will be able to understand the concepts of real world complex problems with analyzing social impact for sustainable development.
CO2	Graduates will be able to create cost effective solutions in multidisciplinary environments.
CO3	Graduates will be able to Design and Develop Software Applications.
CO4	Graduates will be able to demonstration their work with writing effective Reports, Design Documentation and Presentation.

Table B.2.2.3b: Project Course Outcomes

Subject	Code	L/T/P	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Project Stage-I & II	7CSPR & 8CSPR	P	Graduates will be able to understand the concepts of real world complex problems with analyzing social impact for sustainable development.	H	H	M	H	M	M	M	L	H	M	M	H	L	L
		P	Graduates will be able to create cost effective solutions in multidisciplinary environments.	H	L	M	M	M	L	L	_	M	M	H	H	L	M
		P	Graduates will be able to Design and Develop Software Applications.	M	M	H	M	H	L	_	L	H	H	M	H	M	H
		P	Graduates will be able to demonstration their work with writing effective Reports, Design Documentation and Presentation.	H	L	L	M	M	L	_	_	H	H	L	H	-	-

Table B.2.2.3c: Mapping b/w Course Outcomes &Project Course Outcomes

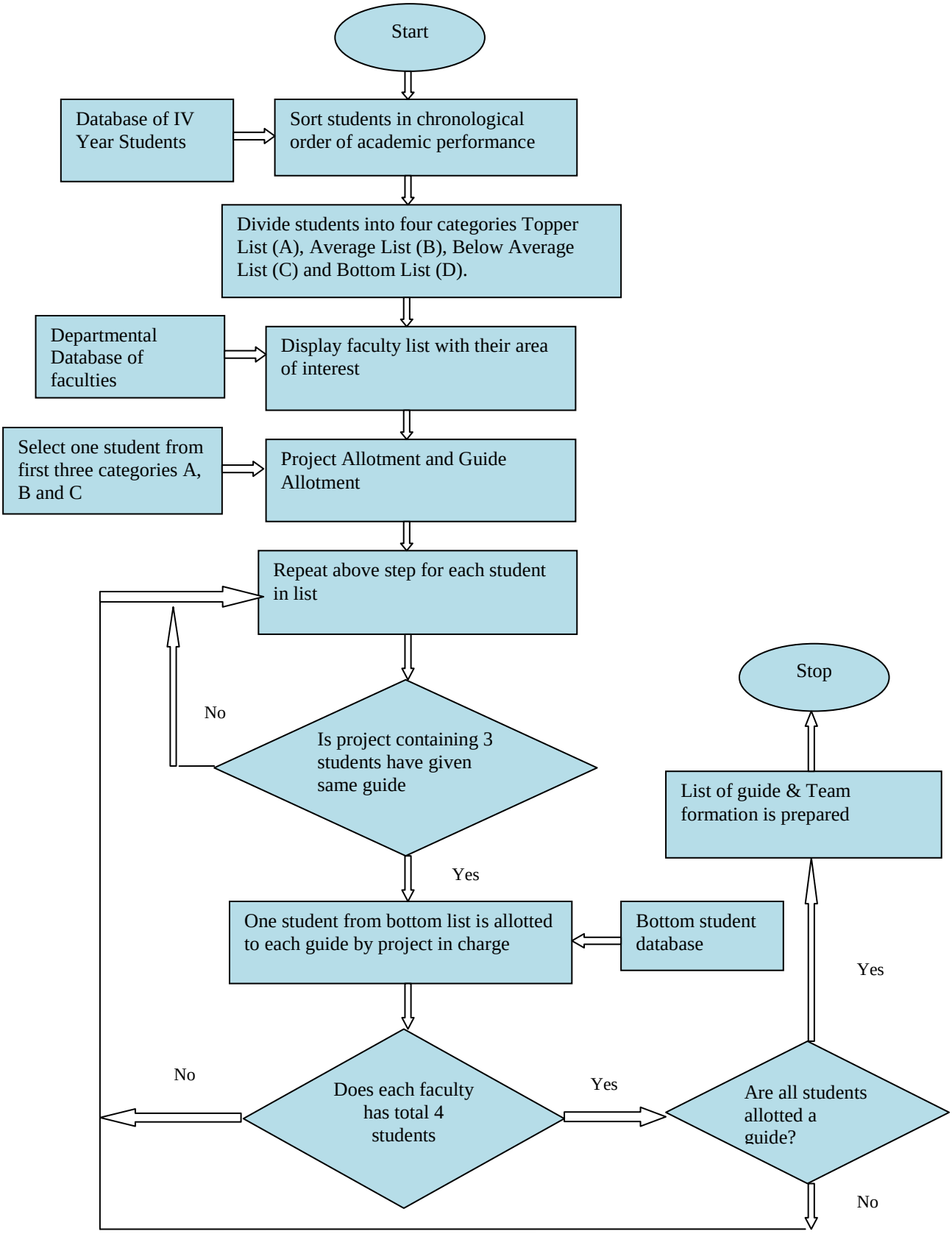


Figure 2.2.3a: Flow Chart of Project Group Formation

Project Group Formation

- Students of IV Year are sorted in chronological order on the basis of their academic performance.
- The students are divided into four categories namely Topper Student List (A), Average Student List (B), Below Average Student List (C) and Bottom Student List (D). Each category contains 25% of total final year students.
- Display the list of faculty members according to their area of interest.
- Select one student from each category and make a team.
- Each team selects one guide according to their area of interest and asks the guide for their project approval after showing the abstract of the project.

Sample of Project Team Member

S.No.	Roll No.	Group 1 (LEADER)	Sec.	Roll No.	Group 2	Sec
1	14EJCCS008	ADITI METHI	A	14EJCCS001	AAYUSHI JOHRI	A
2	14EJCCS010	ADITYA JOHARI	A	14EJCCS002	ABHISHEK PANDEY	A
3	14EJCCS013	AKSHAY JAIN	A	14EJCCS006	ABHISHEK SOMANI	A
4	14EJCCS017	AKSHITA JAIN	A	14EJCCS016	AKSHITA AGRAWAL	A
5	14EJCCS031	ANUSHKA JAIN	A	14EJCCS019	AMANDEEP GOYAL	A
6	14EJCCS028	ANUSHREE JAIN	A	14EJCCS021	ANIRUDDH SHARMA	A
7	14EJCCS032	APOORVA GOYAL	A	14EJCCS022	ANISHA GOYAL	A
8	14EJCCS033	APURVI MANSINGHKA	A	14EJCCS023	ANJALI AGARWAL	A
9	14EJCCS037	ASHITA BANSAL	A	14EJCCS026	ANKITA SINGHAL	A
10	14EJCCS038	ASTHA KOUL	A	14EJCCS027	ANKUSH KUMAR	A
11	14EJCCS040	AVIJIT SINGH	A	14EJCCS029	ANUJ SHARMA	A
12	14EJCCS042	AYUSHI AERAN	A	14EJCCS039	ATUL DADA	A
13	14EJCCSO45	BHAWIKA AGARWAL	A	14EJCCS044	BHASKAR SHARMA	A
14	14EJCCS049	DEEKSHANT MAMODIA	A	14EJCCS053	DIVISHA SHARMA	A
15	14EJCCS050	DHRUVAL BHARDWAJ	A	14EJCCS059	HARISH KUMAR RATHORE	A
16	14EJCCS054	DIVYA DAVE	A	14EJCCS062	HARSHITA SHARMA	A
17	14EJCCS055	DIVYA MAHESHWARI	A	14EJCCS066	ISHITA	A
18	14EJCCS057	GARVIT MITTAL	A	14EJCCS067	ISHU MITTAL	A
19	14EJCCS064	ISHA JAIN	A	14EJCCS079	LUV KUMAR GUPTA	A
20	14EJCCS065	ISHANVI MODI	A	14EJCCS080	MANJARI SINGH	B
21	14EJCCS068	JAPLEEN KAUR	A	14EJCCS083	MEETANSHI RAWAT	B
22	14EJCCS071	JAYANTI CHOUHAN	A	14EJCCS091	NAVEEN SAINI	B
23	14EJCCS073	KAJAL AGARWAL	A	14EJCCS097	NETRA SINGHAL	B
24	14EJCCS075	KANISHKA GOYAL	A	14EJCCS098	NIKHIL GARG	B
25	14EJCCS076	KAPIL B KHANDELWAL	A	14EJCCS104	PANKAJ KARAMCHANDAN	B
26	14EJCCS084	MEGHALI KHANDELWAL	B	14EJCCS109	POOJA SHARMA	B
27	14EJCCS086	MOHIT KUMAR EARAN	B	14EJCCS113	PRANAV DUA	B
28	14EJCCS087	MOHIT KUMAWAT	B	14ejccs116	PRATIBHA AGARWAL	B
29	14EJCCS088	MOHIT MAHESHWARI	B	14EJCCS122	RAHUL SHAMBHWANI	B
30	14EJCCS095	NEHA PIPRONIYAN	B	14EJCCS124	RAJESH AYALDASANI	B
31	14EJCCS096	NEHA SEWDA	B	14EJCCS125	RAKSHANDA KAUL	B
32	14EJCCS099	NIKHIL GUPTA	B	14EJCCS126	RISHABH SHARMA	B
33	14EJCCS103	PALLAVI VARSHNEY	B	14ejccs130	ROHAN JANDU	B
34	14EJCCS108	POOJA GUPTA	B	14EJCCS132	ROHIT KUMAR GUPTA	B
35	14EJCCS117	PRIYANKA BHARDWAJ	B	14EJCCS134	ROHIT MATHUR	B
36	14EJCCS120	RAHUL JASWANI	B	14EJCCS135	RONAK PATNI	B
37	14EJCCS121	RAHUL KUMAR GUPTA	B	14EJCCS137	SAKSHI GARG	B
38	14EJCCS127	RISHIKA AGARWAL	B	14EJCCS143	SAPNA GOHRANI	B
39	14EJCCS138	SAKSHI GUPTA	B	14EJCCS147	SHIVAM CHETANI	B
40	14EJCCS139	SAKSHI SINGHAL	B	14EJCCS148	SHIVANI MAREJA	B

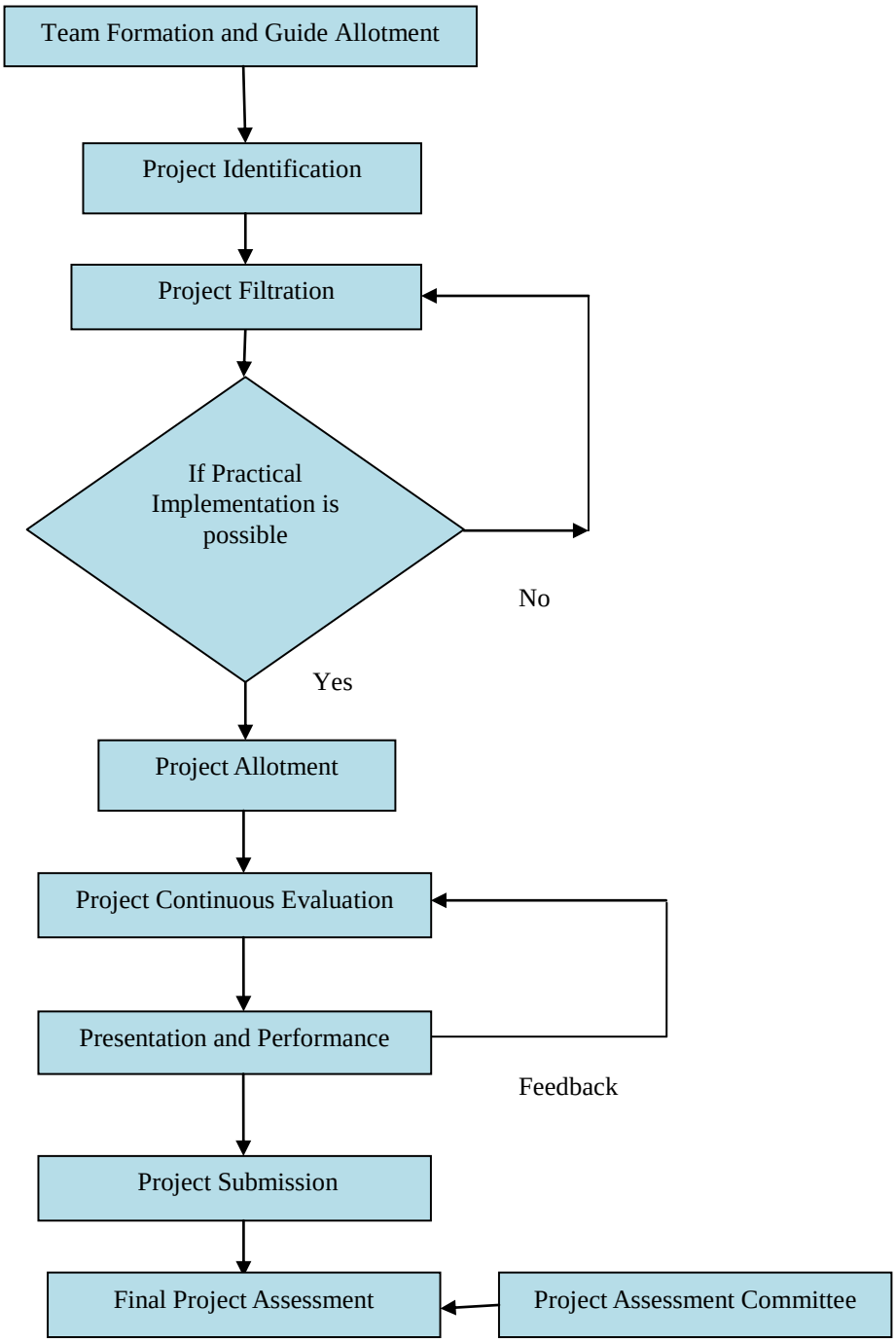


Figure 2.2.3b: Project Evaluation Process

1. **Project Identification**

- Project coordinator issues a circular at the end of 6th semester to all faculty members to provide their area of interest and the list of five projects to be given to the students.
- Students are also encouraged to submit the idea of their own for doing the project.
- Final list of projects has been made and display on notice board.
- The list of previous year projects is also displayed at notice board which ensures no repetition of project work and also encourages students to enhance the previous works.
- Each group of students decides the project guide according to their area of interest.
- Each team selects their own project idea or from list of projects.

2. **Project Filtration & Allotment**

- Each team or group of students discusses their own project idea with their guide.
- If the project idea submitted by the student/ group of students fulfills the basic requirements, then it will be allotted to that student/ group of students.
- If it does not fulfill the basic requirements, then a new project idea is allotted to that student/group of students from the list of finalized projects.

3. **Project Continuous Evaluation**

- Project coordinator displays the deadline on notice board for the progress report presentations and final submission of the project report.
- Each group has to summit weekly progress report to the respective guide.
- Each team show their project demonstration followed by viva-voice has been carried out twice in a semester in front of guide, then guide review the progress and gives suggestions.

4. **Procedure of Project Evaluation**

- A presentation followed by viva voce is also carried out at the end of semester in front of the external examiner and other students.
- Each group of students has to submit a report of their work along with the role of each team member.
- The project exhibition is carried out at the end of semester. Student/group of students demonstrated the project in front of external examiner and other students.

- Final Assessment of the project and marks finalization is done by the project assessment team along with external examiner and respective guide
- The procedure of project work is given in Table B.2.2.3d. The procedure for internal and external evaluation is presented in Table B.2.2.3eand TableB.2.2.3f respectively.

Phase	Subject Code	Semester	Nature of Work	Assessment
Phase I	Project-I 7CSPR	VII	Project ideas and Abstract Submission	Problem Definition
			Finalize projecttheme/title, Define Objectives, CompletionTimeLine	ProgressPresentation
			ProjectImplementation	Project Demonstration
			Report Submission and University Viva	Project Report
PhaseII	Project-II 8CSPR	VIII	New Project idea or extension of Minor Project	Problem Definition
			ProjectImplementation	ProgressPresentation
			Project Competition, Testing	Project Demonstration
			Teamwork Assessment	Project Report& Demonstration
			UniversityViva	Project Report

Table B.2.2.3d: Project Evaluation Process

S. No	Title of Project	Project Guide	Session (30)					External (20)		Total (50)
			Attendance (5)	Report (5)	Viva (5)	Presentation (5)	Demonstration (10)	Viva (10)	Demonstration (10)	

Table B.2.2.3e: Scheme for the evaluation Project-I

S. No	Title of Project	Project Guide	Session (120)					External (80)			Total (200)
			Attendance (10)	Report (20)	Viva (30)	Presentation (30)	Demonstration (30)	Viva (30)	Presentation (30)	Demonstration (20)	

Table B.2.2.3f: Scheme for the evaluation Project-II

Sample of Student Project Details:

S#	PROJECT NAME	PO / PSO
1	Clean India	PO1,PO2,PO3,PO10,PO11,PO12/ PSO1,PSO2
2	Assistive Technology Tools and Strategies for Children with Autism Spectrum Disorder	PO1,PO2,PO3,PO10,PO11,PO12/ PSO1,PSO2
3	Software management Tool	PO1,PO2,PO3,PO10,PO11,PO12
4	Krishi Laabh	PO1,PO2,PO3,PO10,PO11,PO12
5	Home automation System	PO1,PO2,PO3,PO10,PO11,PO12
6	Health Care Management System	PO1,PO2,PO3,PO10,PO11,PO12 / PSO2
7	E-Commerce Website Shop Logo	PO1,PO2,PO3,PO10,PO11,PO12
8	FORMGET_TESTING	PO1,PO2,PO3,PO10,PO11,PO12
9	Bookshop	PO1,PO2,PO3,PO10,PO11,PO12 / PSO2
10	Roster	PO1,PO2,PO3,PO4,PO10,PO11,PO12

Table B.2.2.3g: List of Student Project

Sample of Cover Page of Project Report

A

Project Report

On

<PROJECT TITLE IN UPPER CASE>

Submitted in partial fulfillment for the award of degree of

Bachelor of Technology

From

Rajasthan Technical University, Kota

By

<Student Name1>

<University Roll No 1>

<Student Name2>

<University Roll No 2>

<Student Name3>

<University Roll No 3>

Department of Computer Science and Engineering

Jaipur Engineering College & Research Centre

Jaipur

2017-2018

i. Initiatives relatedto industry interaction (15)

(Give details of the industry involvement in the program such as industry-attached laboratories, partial delivery of appropriate courses by industry experts etc. Mention the initiatives, implementation details and impact analysis)

The department takes following initiatives for interaction with industries.

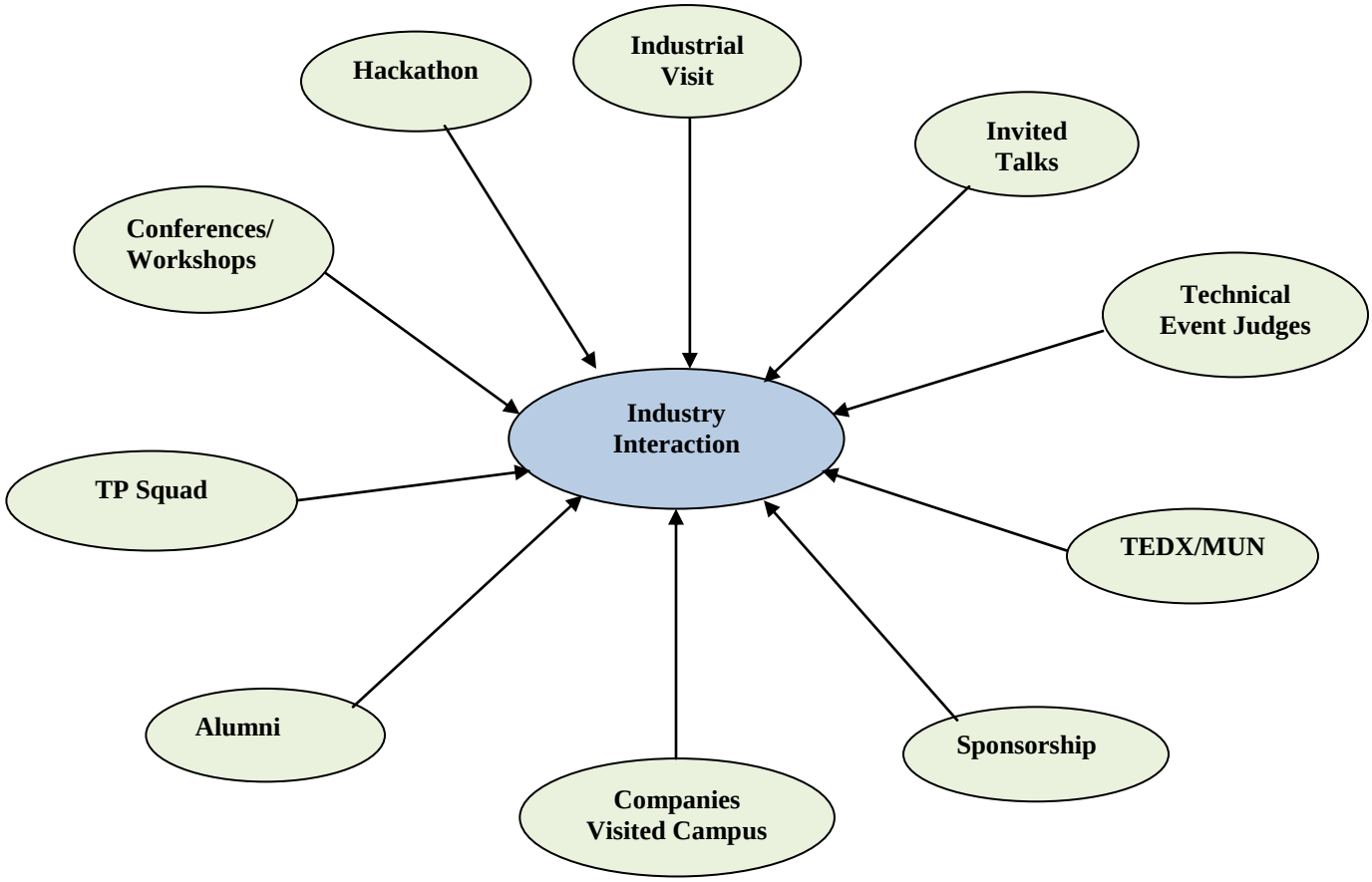


Figure 2.2.4a: Initiatives for Industry Interaction

- **TedX/MUN:** TedX talk organized JECRC to discuss various topics from the eminent personalities. JECRC Model United Nations (JECRC MUN) is an opportunity for participants to showcase their abilities by engaging them in substantial researching, critical thinking and public speaking.
- **Hackathon:** JECRC Hackathon and Smart India Hackathon were organized to promote IT & e-governance initiatives. Coders, developers & designers will have a prodigious platform to use their out-of-the-box thinking on Bhamashah, e-Mitra, Artificial Intelligence, Internet of Things, AR/VR, Blockchain, Machine Learning and Data Mobility. The event will witness eminent IT leaders, dignitaries and respected Officials from Government of India.

- **TP Squad:** The HOD along with TPO created a **Training & Placement Squad** which focuses on the placement strategy for unplaced students and also interacts with industry experts so that they may visit campus and recruit the students.
- **Companies Visited Campus:** Many companies visit campus for the recruitment of students. The HR along with departmental TPO continuously interacts with industry experts so that they may visit campus and increase the placement opportunity.
- **Conferences/Workshops:** The faculty members and students interact with delegates invited as guest lecture, session chair in conferences and workshops organized in college.
- **Alumni:** The industry interaction is done with many students who are currently working in many reputed companies that are spread across the country and world.
- **Sponsorship:** The sponsorship team visits many companies and institutes. The rewards obtained in the form of sponsorship in various technical and non-technical events are obtained.
- **Industrial Visit:** The department organizes industrial visits on yearly basis, through this industry members start interactions with campus.
- **Invited Talks:** Department invites many industry experts to make student familiar with industry environment and technologies.
- **Technical Event Judges:** The eminent personalities are invited as judges from industries and institutes in technical activities like Just C, Java lets and many more.

MOU's was done with industries to emphasize on

(a) Internship
(b) Project Workshop for Students
(c) Industrial Visits
(d) Students specific Training

S. No.	Company Name	Date
1.	**Indo Vision Services Pvt. Ltd.** indoVISION "We work for your smile"	**22-Mar-2017**
2.	**SakRobotix Lab** SakRobotix Lab STARTUP CENTER, IIT BHUBANESWAR	**27-Apr-2017**
3.	**Infosys Campus Connect** Infosys campus connect	**12-May-2017**

4.	**Wadhwani Foundation**	**13-Oct-2017**
5.	**CADD Centre**	**30-Oct-2017**
6.	**Forsk Technologies**	**2-Nov-2017**
7.	**RedHat Technologies**	**7-Nov-2017**
8.	**Salesforce Technologies Ltd.**	**17-Jan-2018**
9.	**Cyberops**	**15-May-2018**
10.	**Siemens Ltd.**	**26-July-2018**
11	**Techinest Pvt Ltd**	**18 Oct 2018**

Table B.2.2.4a: Details of MOU

The following are the details of MOUs:

1. **Indo Vision Services Pvt. Ltd.**Indovision Services is an ISO 9001:2015 accredited company and providing end to end ICT (Information & Communication) services and solutions. It caters to multiple dimensions of industry. Primarily it provides following services listed below:
    - Emerging Technologies (Cloud, Automation)
    - Manpower Solutions
    - Training (College, Corporate & Govt.)
    - Enterprise Solutions (ERP, IHRMS, ILMS , System Integration, Networking, Smart City & Smart Campus, etc.)
    - We serves both large and small organizations across all industry sectors(Telecommunications,IT/ITES, Education, BFSI, Automobiles,Govt. &PSU's) through our brands and offerings.

2. **SAKROBOTICS LAB:** Establishing a Robotics Research Centre in the campus of JECRC, providing Internship to JECRC Students and to engage the students in Robotics Training and also offering Robotics product development exposure.

3. **Infosys Campus Connect:**Launched by Infosys in May 2004, CC is a unique academia-industry initiative to "architect the education experience". The objective in launching the CC program is to enhance the quality and quantity of the IT talent-pool; sustain the growth of the IT industry itself. The portal will provide a digital platform for academia-industry interaction anytime, and anywhere.

4. **WADHWANI Foundation:**Launched in 2000 by Dr. Romesh Wadhwani, the Foundations comprising of Wadhwani Charitable Foundation and Wadhwani Operating Foundation are working with the primary mission of accelerating economic development in emerging economies through large-scale job creation with presence in Asia, Africa and Latin America operating in association with governments, corporate, mentors, investors and educational institutes. Its Initiatives are driving job creation through entrepreneurship, skills development and innovation.

5. **CADD Centre:** As Asia's biggest network of CAD training centers, CADD Centre Training Services is the training arm of the 30 year old CADD Centre Group, head quartered at Chennai, India. They being the only company in India to offer an end-to-end solution to CAD users specializes in Computer Aided Design (CAD), Computer Aided Engineering (CAE), and Computer Aided Manufacturing (CAM) with our wings spread across the globe.

6. **Forsk Technologies:** Forsk Technology offer project based learning in IoT (Internet of Things) and Machine Learning (Data Science). Future courses will be offered based on industry requirement and/or student/faculty feedback. These future courses will be on emerging technologies.

7. **Red Hat Technologies Pvt. Ltd.:** Linux World ('LW') is a fast growing ISO 9001:2008 Certified Organization which is fully governed by young and energetic Technocrats, dedicated to Open Source technologies and Linux promotion. Since its inception in the year 2005, LW have achieved the status of centre of excellence wherein there is latest technology, innovative developing methodology, state of the art infrastructure and individual needs of employees are identified and executed professionally, efficiently & ethically.

8. **Salesforce Technologies Ltd.:** Salesforce is the primary enterprise offering within the Salesforce platform. It provides companies with an interface for case management and task management, and a system for automatically routing and escalating important events. The Salesforce customer portal provides customers the ability to track their own cases, includes a social networking in that enables the user to join the conversation about their company on social networking websites, provides analytical tools and other services including email alert, Google search, and access to customers' entitlement and contracts.

9. **Cyberops** Cyberops is India's leading organization in the field of Information security. Advancement in technology and interconnected business ecosystems has combined to increase exposure to cyber-attacks. We aim to digitally shield the cyberspace by offering various products and services. We are hovering to influence our proficiency and global footprint in the field of information security and cybercrimeinvestigation.Itfoster certified trainings on Information Security and provides penetration testing for security audits, and Cyber Crime Investigation services for various sectors to meet their specific needs.

10. **SIEMENS Ltd.** With a focus on electrification, automation and digitalization, Siemens India stands for engineering excellence, innovation, and reliability. As one of the world's biggest producers of energy-efficient, resource-saving technologies, Siemens is a pioneer in infrastructure and energy solutions, as well as automation and software for industry. The company is also a leader in medical imaging equipment, laboratory diagnostics, and clinical IT. Siemens also provides business-to-business financial solutions, rail automation and wind power solutions.

2.2.5 Initiatives relatedto Industry Internship/Summer Training (15)

(Mention the initiatives, implementation details and impact analysis)

- Rajasthan Technical University provides 60 days of industrial training in the form of summer training after their sixth semester during its four year curriculum.
- Students have to pursue a detailed project in the specific company in his field of interest. The project enables the student to understand the business process and makes them ready for the corporate careers ahead.

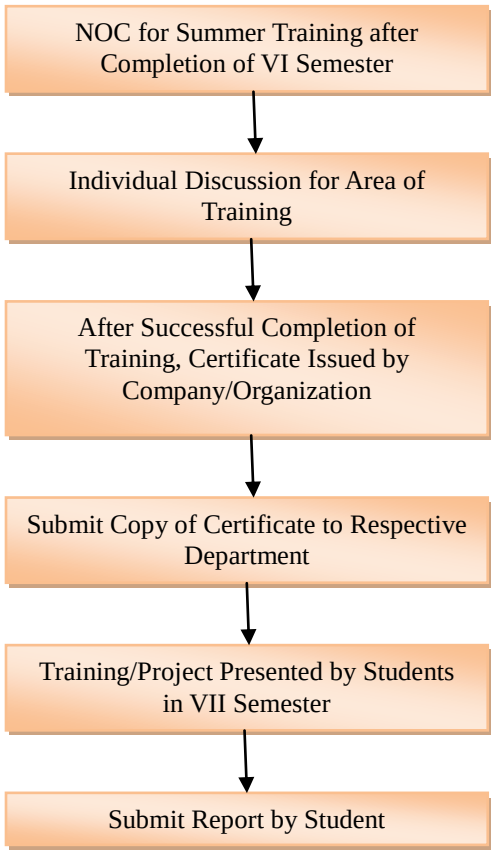


Figure 2.2.5a: Process of Internship/Summer Training Allotment

The process of allotment of summer training is as follows:

1) Initially Department issue a letter for summer training for every student.
2) Students will show this letter to respective company/organization from where they want to pursue their training program. Students will go for 60 days internship.
3) After completion of training, they will be issued a certificate or evaluation letter from that company.
4) Students have to submit their Xerox copy of summer training certificate.
5) A presentation will be taken on their summer training in next semester on which they have to submit a report.
6) Final evaluation will be done and marks will be given for summer training program.

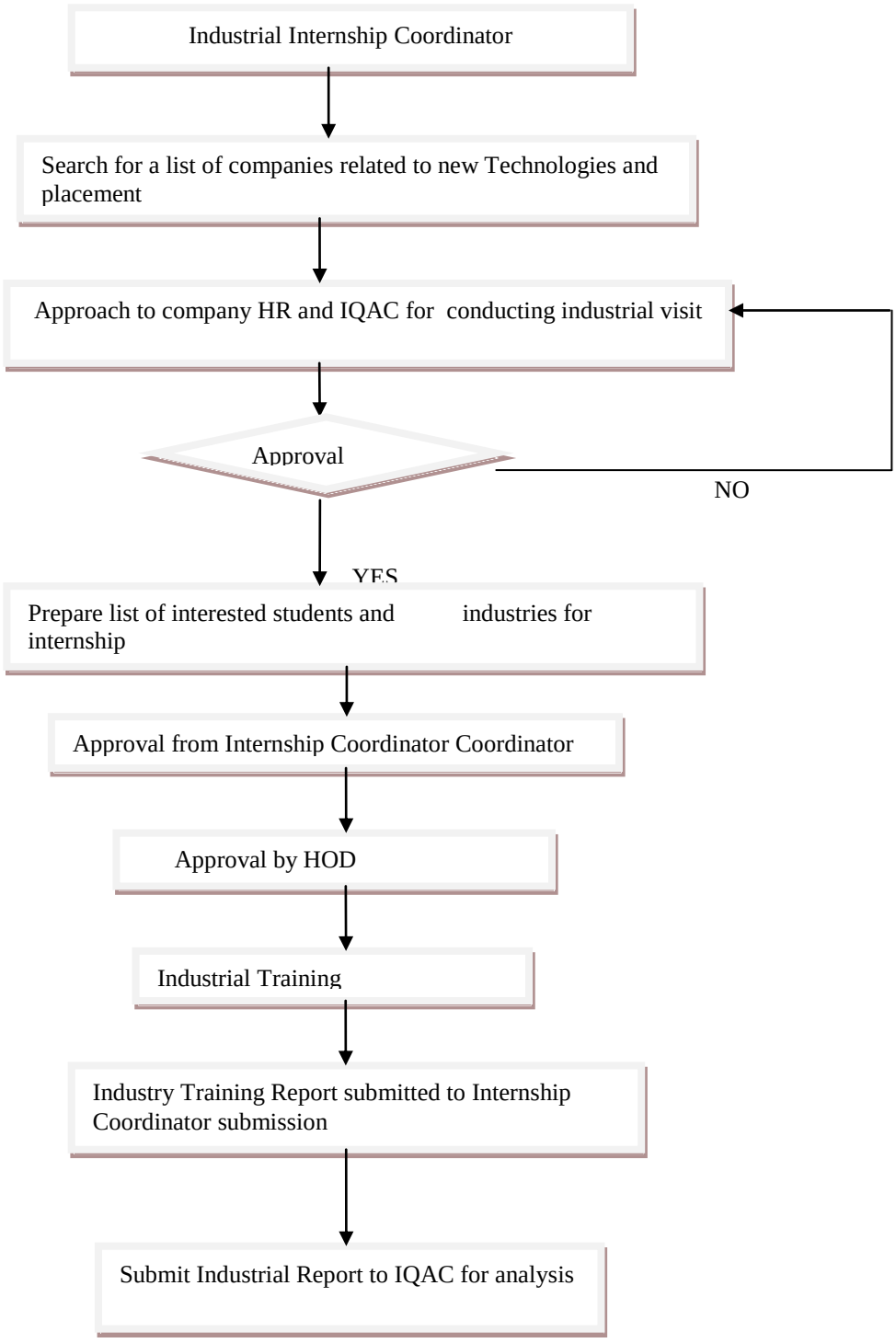


Figure 2.2.5b Evaluation Process of Summer Training

Format of NOC for Summer Training:

JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Ref: _____ Date: _____

To

_____

_____

_____

Subject – Request for Summer Training

Mr./Ms. _____ student of Jaipur Engineering College and Research Centre (JECRC) Jaipur, III year B.Tech (Computer Science & Engineering) is approaching you for Summer Training from_____to_____2018. This training will help him to get exposed to the field conditions and gain experience in real working environment.

JECRC is approved by All India Council for Technical Education and affiliated to Rajasthan Technical University. We shall feel highly obliged if you could impart training to him.

It is requested that your organisation may kindly provide his training during his summer vacations.

Please feel free to contact us for clarification, if any. The college would be grateful for your cooperation.

The candidate is expected to follow all the norms of the institute / affiliated university.

Training & Placement Coordinator

JECRC Foundation
www.jecrcfoundation.com

Jaipur Engineering College and Research Centre
Approved by AICTE & Affiliated to RTU
JECRC Campus, Shri Ram Ki Nangal,
Via Sitapura RIICO, Opp. EPIP Gate, Tonk Road, Jaipur 302 022
t: 0141 2770120, 2770232 f: 0141 2770803 e: info@jecrcmail.com

Sample training data of Internship Training 2016-17

S.No.	Name	TRAINING ORGANIZATION
1	AAKANKSHA KUMAWAT	IL&FS Technologies Ltd , Gurgaon
2	AAKRITI GOYAL	IL&FS Technologies Ltd , Gurgaon
3	AASTHA GAMBHIR	CDAC,JAIPUR
4	AAYUSH DUBE	ARYAN INFOMATRIX PVT. LTD., JAIPUR
5	ABHINAV ABHIK	Microsoft Technology Associate, Jaipur
6	ABHISHEK BAJ	MTS, GURGAON
7	ABHISHEK GALAV	GRRAS Solutions Pvt. Ltd.
8	ABHISHEK GUPTA	HP Education, Jaipur
9	ABHISHEK SONI	INFOSYS-CAMPUS CONNECT
10	ADITYA KUMAR	Microsoft Technology Associate, Jaipur
11	ADITYA KUMAR	LinuxWorld Infomatics Pvt. Ltd
12	ADITYA POKHARNA	Web-Mitra
13	ADITYA SHARMA	C-DAC,Jaipur
14	AJAY SHARMA	D-ZONE LIMITED,JAIPUR
15	AKANKSHA SHARMA	WEBMITRA PVT LTD.
16	AMIT GUPTA	Microsoft Technology Associate, Jaipur
17	ANKIT AGRAWAL	Microsoft Technology Associate, Jaipur
18	ANKIT SHARMA	LinuxWorld Infomatics Pvt. Ltd
19	ANKIT SONI	Microsoft Technology Associate, Jaipur
20	ANKIT YADAV	INFOSYS CAMPUS CONNECT
21	ANKUR JAIN	Microsoft Technology Associate, Jaipur
22	ANSHITA BHATIA	CDAC, JAIPUR
23	ARPIT SHARMA	INFOSYS CAMPUS CONNECT
24	ARPIT SOMANI	Web-Mitra
25	ARTI SHARMA	SDJ INFOSOFT PVT.LTD,JAIPUR
26	ARUN SINGH	GIRNAR SOFT PVT.LTD. JAIPUR
27	ARVIND BHAT	CDC,HCL TECHNOLOGIES,DELHI
28	ASHIQUE HUSSAIN ANSARI	Linux World
29	ASRAR HUSSAIN	IIHT,Jaipur
30	ASTHA SHARMA	IL & FS TECHNOLOGIES LTD,GURGAON
31	AYUSHI GARG	WEBMITRA PVT LIMITED
32	AYUSHI KHANDELWAL	WEBMITRA PVT LTD.
33	AYUSHI MATHUR	CDAC,Jaipur
34	AYUSHI SHARMA	HCL CDC JAIPUR
35	BHUMIKA MAROLIA	IL&FS Technologies Ltd , Gurgaon
36	BHUPENDER	HPES,JAIPUR
37	BHUWANESH PAREEK	CMC - A TATA ENTERPRISE, JAIPUR , ERICCSON JAIPUR

38	CHANDNI MATHUR	click mind, Bikaner
39	CHEENA MIDDHA	CDAC, JAIPUR
40	CHETAN SINGH RATHORE	LinuxWorld Infomatics Pvt. Ltd
41	CHETNA KUMAWAT	TATA STEEL,JAMSHEDPUR
42	DEEPAK LODHA	WEB MITRA PVT LTD.
43	DEEPAK SARAF	WEB MITRA PVT LTD.
44	DHEERAJ SUTHAR	NETWORXX , JAIPUR
45	DIKSHA RAINA	HP Summer Training Nodal Centre
46	GARIMA CHOUDHARY	H&D Software ,Jaipur
47	GAURAV KHANDHARI	LinuxWorld Informatics Pvt. Ltd, Jaipur
48	GOURAV GOYAL	INFOOBJECTS PVT.LTD.,JAIPUR
49	GUNJAN ASWANI	NIC ,JAIPUR & HPES,JAIPUR
50	GURPREET SINGH SAWHNEY	Bharti Airtel Hexacom Pvt. Ltd. , Gurgaon
51	HARSHITA KHANDELWAL	C-DAC, JAIPUR
52	HIMANSHU GAUR	LinuxWorld Infomatics Pvt Ltd
53	HIMANSHU KUMAR SINGH	Pratham Solutions Pvt. ltd
54	JASWINDER SINGH	COMSKYNET TECH.PVT.LTD.
55	JYOTI BUDANIA	LinuxWorld Infomatics Pvt. Ltd
56	KAPIL NAINANI	PLAN MY TOUR,BENGALORE
57	KARAN PANDIT	C-DAC JAIPUR
58	KARTIK BOHRA	LinuxWorld Infomatics Pvt. Ltd
59	KARTIK ANAND	CDC,HCL TECHNOLOGIES,DELHI
60	KARTIKEYA BAHUGUNA	CDC,HCL TECHNOLOGIES,DELHI
61	KASHMIR SIHAG	INFOSYS CAMPUS CONNECT
62	KSHITIZ KHANDELWAL	MTS, GURGAON
63	KUMARI POONAM	INFOSYS CAMPUS CONNECT
64	LAKSHI BANSAL	ARYAN INFOMATRIX PVT. LTD., JAIPUR
65	LALIT SINGHAL	Pratham Solutions Pvt. Ltd, Jaipur
66	M.B.KRRISH KUMAR	WEB-MITRA PVT.LTD
67	MAHAK MUNDRA	LinuxWorld Infomatics Pvt. Ltd
68	MAHENDRA KUMAR PIRTANI	INFOSYS CAMPUS CONNECT
69	MAHITA SHARMA	DATA INFOSYS, JAIPUR
70	MAITRY	ARYAN INFOMATRIX PVT. LTD., JAIPUR
71	MANEESH KUMAR GOYAL	Microsoft Technology Associate, Jaipur
72	MANISH KALRA	HP Summer training
73	MANOJ GOSWAMI	Pratham Solutions Pvt. ltd
74	MOHIT JESWANI	Webmitrapvt. ltd.
75	MOHIT MAGHANANI	MICROSOFT TECHONOLOGY ASSOCIATION,JAIPUR
76	Monika Kaswan	H&D Software, Jaipur
77	MONIKA MANGAL	INFOSYS CAMPUS CONNECT

78	MS NAHID GUL QURESHI	JECRC Campus under Infosys campus connect program
79	NAMAN AGARWAL	Vikram Group of Technologies,Kota
80	NANDANI DIXIT	TATA CMC Limited, Jaipur
81	NARANDRA SINGH DEORA	LinuxWorld Infomatics Pvt. Ltd
82	NAVEEN SHARMA	MICROSOFT TRAINING ASSOCIATE,JAIPUR
83	NISHA JANGIR	C-DAC, JAIPUR
84	NITESH SHARMA	Bodacious It Hub Pvt. Ltd, Jaipur
85	NITIN UDAWAT	LinuxWorld Infomatics Pvt. Ltd
86	NOOPUR MAKKAR	NEURO SHARP EDUCATION JAIPUR
87	PALAK	C-DAC,Jaipur
88	PALAK GOYAL	MICROSOFT TECHNOLOGY ASSOCIATE,JAIPUR
89	PALLAVI BAJAJ	SDJ INFOSOFT PVT.LTD,JAIPUR
90	PANKAJ SUTHAR	HP Summer training
91	PARUL VASHISHET	SDJ INFOSOFT PVT. LTD, JAIPUR
92	PAYAL JAIN	SDJ INFOSOFT PVT.LTD JAIPUR
93	PIYUSH KUMAR BEGWANI	Birlasoft (India) Limited, Noida
94	POOJA SHARMA	HP SUMMER TRAINING NODAL CENTER
95	PRAFULL MITTAL	INFOSYS CAMPUS CONNECT
96	PRAKASH	CDC,HCL TECHNOLOGIES,DELHI
97	PRANAV MODI	MICROSOFT TECHNOLOGY ASSOCIATE,JAIPUR
98	PRANAY SINGH	NIIT,NAVI MUMBAI
99	PRASHANT AGARWAL	INFOSYS CAMPUS CONNECT
100	PRATIBHA AGARWAL	HPES, JAIPUR
101	PRATIBHA ZUTSHI	CMC LIMITED DELHI
102	PREETI KUMBHAJ	HPES INDIA
103	PRIYANKA AGRAWAL	SDJ INFOSOFT PVT. LTD,JAIPUR
104	RADHIKA JOSHI	WEBMITRA PVT LIMITED
105	RAHUL JAIMAN	DUCAT JAIPUR
106	RAJAT MATHUR	CMC JAIPUR
107	RAJDEEP GAUTAM	Appirio India, BrickVoice Gurgaon
108	RAJEEV RANJAN	LinuxWorld Infomatics Pvt. Ltd
109	RAJENDRA	H&D Software , Jaipur
110	RAKSHITA MISHRA	LinuxWorld Infomatics Pvt. Ltd
111	RASHIKA RAINA	LinuxWorld Infomatics Pvt. Ltd
112	RAVI KUMAR SEN	doomshell software pvt. ltd. Jaipur
113	RICHA SHARMA	LinuxWorld Infomatics Pvt. Ltd
114	RISHABH GARG	1.) HP SUMMER TRAINING NODAL CENTRE, 2.) LINUX WORLD INFOMATICS PVT. LTD.
115	RISHABH JINDAL	Hughes Systique Pvt. Ltd. , Gurgaon
116	RITIKA CHOUDHARY	IIHT,Jaipur
117	ROHIT SEERVI	NETWORXX , JAIPUR

118	ROMIT JAIN	C-DAC,JAIPUR
119	SACHIN KUMAR SHARMA	1.) HP SUMMER TRAINING NODAL CENTRE, 2.) LINUX WORLD INFOMATICS PVT. LTD.
120	SAHIL GULATI	HP SUMMER TRAINING NODAL CENTRE
121	SAILESH CHOYAL	CDAC Jaipur
122	SAKSHAM GUPTA	WIPRO,InfoTech. Jaipur
123	SAKSHI CHAUHAN	BEL, PunjabNational Bank,
124	SALVIYA SIDDIQUE	Econnect Udaipur
125	SANGIK SEN	IIHT,Jaipur
126	SANIDHYA MATHUR	TATA CMC Limited, Jaipur
127	SATISH KUMAR	LinuxWorld Infomatics Pvt. Ltd
128	SHAHIDA BANO	TATA CMC Limited, Jaipur
129	SHASHI KANT MILLAN	SAIL,BOKARO
130	SHASHI PRABHA DWIVEDI	LinuxWorld Infomatics Pvt. Ltd
131	SHISHU PAL	NETWORXX , JAIPUR
132	SHIVAM AGIWAL	Microsoft Technology Associate, Jaipur
133	SHIVANI GUPTA	HPES INDIA
134	SHIVANSHI JULANIA	HP SUMMER TRAINIG NODAL CENTER
135	SHIVESH BHAT	HCL DELHI
136	SHOBHIT AGARWAL	C-DAC, Jaipur
137	SHRUTI JAISWAL	HPES,BENGALURU
138	SHUBHAM PRAJAPATI	1. C-DAC, Jaipur 2.Infosys Campus Connect 3. Ducat India(Umang Infotech)
139	SHWETA CHATURVEDI	LinuxWorld Infomatics Pvt. Ltd
140	SOHALDEEP KAUR	C-DAC, Jaipur
141	SONALI BANSAL	IIHT,Jaipur
142	SONALI LAVANIA	LinuxWorld Infomatics Pvt. Ltd
143	SOUMYA RANJAN ROUT	HCL CDC Jaipur
144	SRISHTI GUPTA	CEERI, PILANI
145	SUKRITI JAIN	HP Summer Training
146	SUMIT SHARMA	MICROSOFT TECHNOLOGY ASSOCIATE,JAIPUR
147	SURENDRA SINGH	MICROSOFT TECHNOLOGY ASSOCIATE,JAIPUR
148	SWATI GARG	LinuxWorld Infomatics Pvt. Ltd
149	TARUN KHARIWAL	HPES INDIA
150	TUSHAR GOYAL	Microsoft Technology Associate, Jaipur
151	VIDHIT JHALANI	HP SUMMER TRAINING NODAL CENTRE
152	VIKAS KUMAR	HPES, JAIPUR
153	VISHAL GOYAL	SigmaTech Info Pvt.Ltd, Jaipur
154	VIVEK KHANDELWAL	WIPRO, InfoTech. Jaipur
155	YOGESH NOGIA	ZOOMO BANGALORE

Table B.2.2.5a: Details of Internship Session 2016-2017

CRITERION 3

Course Outcomes and Program Outcomes

120

CRITERION 3	Course Outcomes and Program Outcomes	120

3. COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

3.1. Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

Program Outcomes (POs)

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and Computer Science and Engineering specialization to the solution of complex Computer Science and Engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyse complex Computer Science and Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex Computer Science and Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of Computer Science and Engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex Computer Science Engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Computer Science and Engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional Computer Science and Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the Computer Science and Engineering practice.
9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in Computer Science and Engineering.
10. **Communication**: Communicate effectively on complex Computer Science and Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance**: Demonstrate knowledge and understanding of the Computer Science and Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change in Computer Science and Engineering.

Program Specific Outcomes (PSOs)

PSO1	Ability to interpret and analyze network specific and cyber security issues in real world environment.
PSO2	Ability to design and develop mobile and web-based applications under realistic constraints.

3.1.1. Course Outcomes (COs) (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (05)

Code	Subject	Course Outcomes
3CS5A	OOPS	CO1: Understand the paradigms of object oriented programming in comparison of procedural oriented programming.
		CO2: Apply the class structure as fundamental, building block for computational programming.
		CO3: Apply the major object-oriented concepts to implement object oriented programs in C++.
		CO4: Implement the concept of abstraction inheritance, polymorphism, dynamic binding and generic structure in building reusable code.
4CS4A	SE	CO1: Understand the purpose of designing a system and evaluate the various models suitable as per its requirement analysis.
		CO2 Understand and apply requirements specification into an implementable design using structured process and UML
		CO3: Formulate a testing strategy for the system design and implement the concept of OOD & OOA.
		CO4: Understand & Implement the various new technologies in software development.
5CS4A	DBMS	CO1: Analyze the basic structure of Database and recognize the different views of the database.
		CO2: Examine the use of Relational Data Model, while comparing with other data models w.r.t ERD.
		CO3: Formulate data retrieval queries in SQL and the Relational Algebra and Calculus.
		CO4: Describe and develop the semantics of a SQL query in set-theoretic terms.
6CS6A	AI	CO1: Understand the concept of Artificial Intelligence and apply various searching techniques
		CO2: Illustrate various knowledge representation techniques in Artificial Intelligence system.
		CO3: Analyze various concepts like Baye's theorem, fuzzy logic, Probabilistic Reasoning

		CO4: Apply basic concepts of learning, natural language processing, neural networks and expert systems.
7CS3A	DMW	CO1: Understand the concepts and benefits of Data mining in the real time scenario.
		CO2: Acquire basic knowledge about concept description of data mining algorithms
		CO3: Illustrate concept of Data Warehouses with OLAP applications and OLAP deployment.
		CO4: Design a data mart for management of information.
8CS1A	MC	CO1: Understand the basic concepts of mobile computing and its mechanisms.
		CO2: Analyze the data dissemination and management techniques.
		CO3: Compare the service discovery and its standardization Methods
		CO4: Apply and compare AdHoc Networks using different protocols.

Table B.3.1.1:Course Outcomes

3.1.2 CO-PO matrices of courses selected in 3.1.1 (six matrices to be mentioned; one per semester from 3rd to 8th semester) (05)

S. no			**SEM**			**Subject code**			**Subject**			
1			3			**3CS5A**			**OOP**			
Pos / **Cos**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
1	3	1	1	2	2	2	-	-	1	1	2	2
2	3	2	2	3	3	2	2	-	2	2	2	3
3	3	3	3	3	3	1	2	-	3	1	3	3
4	3	2	3	2	2	1	1	-	3	2	2	2
S. no			**SEM**			**Subject code**			**Subject**			
2			4			**4CS4A**			**SE**			
Pos / **Cos**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
1	3	2	3	1	2	1	-	-	2	-	1	1
2	3	3	3	1	3	1	-	-	3	2	3	2
3	3	2	3	2	3	1	-	-	3	2	3	2
4	3	3	3	2	3	1	1	-	3	2	2	2
S. no			**SEM**			**Subject code**			**Subject**			
3			**5**			**5CS4A**			**DBMS**			
Pos	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**

Cos												
1	3	2	1	-	2	-	-	2	-	-	-	2
2	3	2	3	-	2	-	-	2	2	-	2	2
3	3	2	2	-	-	-	-	1	-	-	2	2
4	3	3	3	-	2	1	1	1	2	-	2	2
S. no			SEM			Subject code			Subject			
4			6			6CS6A			AI			
Pos / Cos	1	2	3	4	5	6	7	8	9	10	11	12
1	3	2	1	1	1	1	-	-	1	1	1	1
2	3	2	3	2	2	2	-	-	1	2	2	2
3	3	1	2	2	2	2	-	-	1	2	2	2
4	3	3	3	3	3	2	1	-	1	2	2	2
S. no			SEM			Subject code			Subject			
5			7			7CS3A			DMW			
Pos / Cos	1	2	3	4	5	6	7	8	9	10	11	12
1	3	2	1	1	1	1	-	-	1	-	1	1
2	3	2	3	2	2	2	-	-	2	-	2	2
3	3	1	2	2	2	2	2	1	2	-	2	2
4	3	3	3	2	2	1	2	1	1	-	1	2
S. no			SEM			Subject code			Subject			
6			8			8CS1A			MC			
Pos / Cos	1	2	3	4	5	6	7	8	9	10	11	12
1	3	1	1	1	1	1	-	-	1	1	2	3
2	3	2	2	2	2	1	-	-	1	2	3	3
3	3	2	2	2	2	2	2	-	1	2	3	3
4	3	2	2	2	2	2	2	-	1	3	3	3

Table B. 3.1.2a: CO-PO matrices of courses

CO-PSO matrices of courses selected in 3.1.1 (six matrices to be mentioned; one per semester from 3rd to 8th semester)

S.No.	Sem	Code	Subject	Cos	PSO1	PSO2
1	3	3CS5A	OOP	CO1	-	-
				CO2	2	3
				CO3	2	3
				CO4	1	3

2	4	4CS4A	SE	CO1	1	2
				CO2	1	2
				CO3	2	2
				CO4	2	2
3	5	5CS4A	DBMS	CO1	3	2
				CO2	3	2
				CO3	3	2
				CO4	3	2
4	6	6CS6.2A	AI	CO1	-	
				CO2	-	-
				CO3	-	-
				CO4	2	2
5	7	7CS3A	DMW	CO1	-	-
				CO2	-	-
				CO3	-	1
				CO4	-	1
6	8	8CS1A	MC	CO1	3	3
				CO2	3	3
				CO3	3	3
				CO4	3	3

Table B. 3.1.2b: CO-PSO matrices

3.1.3 Program level Course-PO matrix of all courses INCLUDING first year courses (10)

Courses	Subject	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
MA-101	Engineering Mathematics-1	3	2	1	-	2	1	2	-	3	2	-	1
HU-103	HumanValues	-	-	2	-	-	3	2	3	2	1	-	1
PY-101	Engineering Physics	2	1	1	-	-	1	-	-	1	1	-	1
CS-101	Computer Programming-I	1	2	2	2	2	2	1	-	-	2	-	3
CE-101	Environmental Engineering and	2	1	1	1	-	2	2	1	2	1	-	1
HU-104	Human Values: Activities	-	-	1	-	-	3	3	3	1	1	-	1
PY-102	Engineering Physics Lab	2	1	1	-	-	1	-	-	1	1	-	1
CS-102	Computer Programming-I Lab	2	3	2	1	-	-	-	-	2	1	-	1
CE-102	Computer Aided Engineering	3	-	-	-	-	-	-	-	2	2	-	1
ME-101	Mechanical Workshop Practice	3	-	-	-	-	-	-	-	2	2	-	1

Table B. 3.1.3a: Program level Course-PO matrix of first year courses

S. No.	Sem	Code	Sub	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO 12
1	3	3CSA1	EDC	2.3	1.6	1	1	1	-	-	-	1	-	-	1.6
2	3	3CSA2	DSA	3	2.2	2	1	1	-	-	-	2	-	1	1.5
3	3	3CSA3	DE	2.2	2	2.3	-	2	1	1	-	1	-	1	3
4	3	3CS4A	LSP	3	2	2.3	-	2	1	1	-	2.5	2.5	1	2
5	3	3CS5A	OOP	3	2	2.2	2.5	2.5	1.5	1	-	2.2	1.5	2.2	2.5
6	3	3CS6A	AEM	3	2	1	-	1			-	1	1	-	1
7	4	4CS1A	MP	3	1.7	2.2	1.5	-			-	2	1	-	2
8	4	4CS2A	DMS	3	3	2.2	2.2	3	2.5		-		1	-	
9	4	4CS3A	SPT	3	2	2	-	1	1		-	1	1	-	1
10	4	4CS4A	SE	3	2.5	3	1.5	2.7	1	1	-	2.7	2	2.2	1.7
11	4	4CS5A	POC	3	3	1.7	-	1	1	1	-	1	1		1
12	4	4CS6A	PPL	3	2	2	-	1	1	1	-	1	-	1	1
13	5	5CS1A	CA	3	2.2	2.2	1	-	-	-	-	1	-	1	2
14	5	5CS2A	DLD	3	2	2.3	-	2	1	1	-	1	-	1	1.5
15	5	5CS3A	TEF	3	2.2	2.2	-	2	1	1	1	-	2	1	2
16	5	5CS4A	DBMS	3	2.2	2.2	-	2	1	1	1.5	2	-	2	2
17	5	5CS5A	OS	3	2.2	2	-	-	1	-	-	1	1	1.7	2
18	5	5CS6A	ITC	3	2	2.2	2	-	1	1	-	1	1	1	1
19	6	6CS1A	CN	3	2	2.2	1.7	1.7	1	1	1.5	1.5	1	1	2
20	6	6CS2A	DAA	3	2	2.5	2	-	1	1	-	1	2	-	2
21	6	6CS3A	TOC	3	2	2.5	1.7	-	1	1	-	1	1.7	-	1
22	6	6CS4A	CG	3	2	2.2	2	1.7	1	1	-	1	2.2	2.2	2.5
23	6	6CS5A	ESD	3	1.7	1	-	3	1	1	-	1	-	1	2
24	6	6CS6A	AI	3	2	2.2	2	2	1.7	1	-	1	1.7	1.7	1.7
25	7	7CS1A	CLOUD	3	2.2	2	1	2.5	1.7	1.6	1	1.7	2.2	2.5	2.7
26	7	7CS2A	ISS	3	3	2.5	2	1.5	1.5	-	1	1	1.5	1.5	2
27	7	7CS3A	DMW	3	2	2.2	1.7	1.7	1.5	2	1	1.5	-	1.5	1.7
28	7	7CS4A	CAD VLSI	3	2	2	-	2	1	1	-	1	-	1	1
29	7	7CS5A	CC	3	3	2.2	2.2	1	-	-	-	2	-	2	2
30	7	7CS6A	DCT	3	1.6	1	1	-	-	-	-	1		1.3	2
31	8	8CS1A	MC	3	1.7	1.7	1.7	1.7	1.5	2	-	1	2	2.7	3
32	8	8CS2A	DIP	3	3	1.5	1.5	1.7	2	2	2	1.5	1.7	1.7	3
33	8	8CS3A	DS	3	2	2	2.5	2	2	-	-	1	1	2.7	3
34	8	8CS4A	RTS	3	1.7	1.7	1.5	-	2	-	-	1.5	1.5	-	2

Table B. 3.1.3b: Program level Course-PO matrix of all courses

Program level Course-PSO matrix of all courses

S.No.	Sem	Code	Sub	PSO1	PSO2
1	3	3CSA1	EDC	-	-
2	3	3CSA2	DSA	3	1
3	3	3CSA3	DE	3	-
4	3	3CS4A	LSP	2	2
5	3	3CS5A	OOP	2	3
6	3	3CS6A	AEM	3	-
7	4	4CS1A	MP	3	-
8	4	4CS2A	DMS	2	2
9	4	4CS3A	SPT	3	-
10	4	4CS4A	SE	2	3
11	4	4CS5A	POC	1	-
12	4	4CS6A	PPL	3	3
13	5	5CS1A	CA	2	3
14	5	5CS2A	DLD	1	-
15	5	5CS3A	TEF	3	2
16	5	5CS4A	DBMS	3	2
17	5	5CS5A	OS	2	2
18	5	5CS6.3	ITC	3	3
19	6	6CS1A	CN	3	2
20	6	6CS2A	DAA	-	-
21	6	6CS3A	TOC	-	-
22	6	6CS4A	CG	1	1
23	6	6CS5A	ESD	-	-
24	6	6CS6.2A	AI	1	1
25	7	7CS1A	CLOUD	3	3
26	7	7CS2A	ISS	3	3
27	7	7CS3A	DMW	-	1
28	7	7CS4A	CAD VLSI	-	-
29	7	7CS5A	COMPILER	-	2
30	7	7CS6.3A	DCT	1	1
31	8	8CS1A	MC	3	3
32	8	8CS2A	DIP	1	1
33	8	8CS3A	DS	3	3
34	8	8CS4.2A	RTS	3	3

Table B. 3.1.3.2: Program level Course-PSO matrix of all courses

3.2. Attainment of Course Outcomes (50)

3.2.1. Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

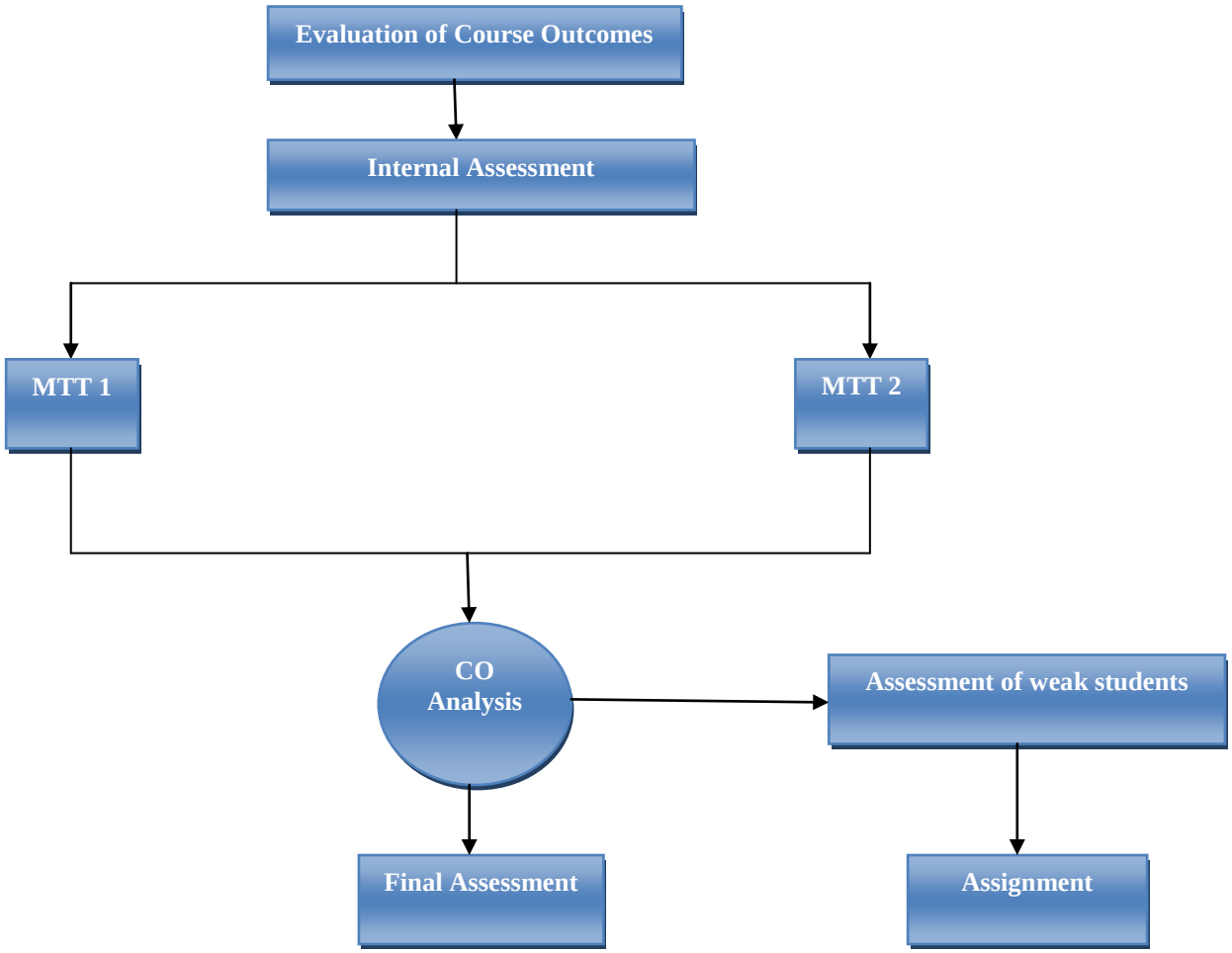


Figure B. 3.2.1: Assessment process of Course Outcomes

3.2.2. Record the attainment of Course Outcomes of all courses with respect to set attainment levels (40)

CO Attainment (Target>60%)

CAY(2015-16)

S.No.	Subject	CO1	CO2	CO3	CO4
1	3CS1A	64.22	47.55	59.31	67.65
2	3CS2A	49.74	43.07	44.12	33.33
3	3CS3A	38.65	31.28	48.04	46.57
4	3CS4A	85.17	50.15	62.25	47.55
5	3CS5A	70.18	60.12	58.33	37.75
6	3CS6A	64.7	20	21.57	21.08
7	4CS1A	66	45.11	78.13	67.41
8	4CS2A	56.25	65.29	61.75	32.52
9	4CS3A	55.81	25.15	59.53	49.3
10	4CS4A	77.2	53.48	69.3	40.93
11	4CS5A	37.2	21.39	57.67	49.3
12	4CS6A	72.55	61.39	49.3	49.58
13	5CS1A	64.22	47.55	59.31	67.65
14	5CS2A	70.05	36.06	44.12	33.33
15	5CS3A	95.16	62.77	48.04	46.57
16	5CS4A	89.21	77.1	62.25	47.55
17	5CS5A	72.16	82.28	58.33	37.75
18	5CS6A	96.16	78.16	21.57	54.25
19	6CS1A	82.35	61.76	88.26	77.94
20	6CS2A	89.7	35.29	94.11	72.05
21	6CS3A	94.11	67.72	67.64	80.88
22	6CS4A	92.64	67.69	68.76	67.36
23	6CS5A	39.42	53.54	68.52	47.98
24	6CS6A	85.29	67.57	57.98	67.87
25	7CS1A	85.71	34.42	84.42	82.47
26	7CS2A	58.49	75.32	48.7	23.38
27	7CS3A	87.66	40.26	75.97	66.23
28	7CS4A	68.12	55.25	69.23	47.89
29	7CS5A	13.23	56.52	13.26	21.56
30	7CS6A	21.07	27.94	18.13	29.41
31	8CS1A	80.64	54.83	94.19	91.61
32	8CS2A	68.38	54.19	56.77	60.64
33	8CS3A	67.09	71.61	96.12	96.77
34	8CS4A	86.45	61.23	66.45	90.32

CAYm1(2016-17)

S. No.	Subject	CO1	CO2	CO3	CO4
1	3CS1A	62.1	79.3	55.1	55.6
2	3CS2A	62.6	66.7	60.1	52.5
3	3CS3A	85.8	71.2	85.3	70.2
4	3CS4A	83.4	52	75.2	60.1
5	3CS5A	85.9	79.3	84.7	70.7
6	3CS6A	74.7	24	42.4	72.9
7	4CS1A	91.7	75.5	86.3	78.5
8	4CS2A	78.8	60	69.3	64.4
9	4CS3A	54.6	73.6	62.9	72
10	4CS4A	95.1	70.7	85.3	68.7
11	4CS5A	83.6	51.2	80	61.4
12	4CS6A	86.6	72.4	72.7	68.6
13	5CS1A	87.9	75.5	79	74.8
14	5CS2A	75	64	71	65
15	5CS3A	88.5	65.7	68	64.3
16	5CS4A	77.6	62.1	84.9	64.3
17	5CS5A	86.7	68.4	80.3	75.3
18	5CS6A	65.2	69.8	82.5	68.8
19	6CS1A	85.4	86.8	93.6	84.9
20	6CS2A	82.1	61.1	90.4	78.5
21	6CS3A	90	74.5	74.4	67.1
22	6CS4A	81.8	74	65.3	86.3
23	6CS5A	84	76.7	73.9	82.1
24	6CS6A	87.7	75.4	90.4	75.3
25	7CS1A	90	77.6	86.4	81.5
26	7CS2A	83	71.3	68.9	78.1
27	7CS3A	74.3	35.9	46.6	63.1
28	7CS4A	71.8	81	68.9	75.7
29	7CS5A	81.4	59.2	89.8	91.7
30	7CS6A	78.8	53.8	73.3	60.6
31	8CS1A	75.2	53.3	66.5	84.4
32	8CS2A	77.1	63	59.2	73.7
33	8CS3A	83.6	59.7	83.4	53.8
34	8CS4A	82.2	80.5	74.2	56.7

CAY(2017-18)

S. No.	Subject	CO1	CO2	CO3	CO4
1	3CS1A	85.4	77.2	80.3	75.1
2	3CS2A	90.15	84.45	86.5	74.6
3	3CS3A	75.1	81.8	89.6	82.3
4	3CS4A	77.7	62.6	64.2	79.2
5	3CS5A	79.2	81.8	89.6	82.3
6	3CS6A	52.3	59	77.2	45.5
7	4CS1A	85.49	73.57	83.56	77.7
8	4CS2A	89.1	71.5	71.5	77.2
9	4CS3A	26.90	52.04	42.10	63
10	4CS4A	79.27	79.79	81.3	84.4
11	4CS5A	66.83	61.65	76.1	55.9
12	4CS6A	82.3	68.3	83.9	74.6
13	5CS1A	86.3	68.7	75.1	75.6
14	5CS2A	63.4	35.1	52.6	65.8
15	5CS3A	93.6	87.3	91.7	74.6
16	5CS4A	95.6	83.9	85.8	76.8
17	5CS5A	87.8	73.1	87.3	82.4
12	5CS6A	90.2	92.1	82.9	82.4
13	6CS1A	91.17	89.7	92.6	79.41
14	6CS2A	64.2	70.1	82.1	77.6
15	6CS3A	79.65	82.55	68.58	79.85
16	6CS4A	89.5	55.07	73.13	92.53
17	6CS5A	62.68	59.7	58.20	74.62
24	6CS6A	86.85	98.88	61.85	91.58
25	7CS1A	92.24	60.27	59.82	45.21
26	7CS2A	88.13	76.71	91.32	81.74
27	7CS3A	89.50	69.86	73.06	63.01
28	7CS4A	97.72	66.67	79.00	76.71
29	7CS5A	78.54	45.21	50.23	91.32
30	7CS6A	48.4	15.07	62.56	65.75
31	8CS1A	82	70.89	68.58	93.58
32	8CS2A	99.05	69.3	95.6	91.3
33	8CS3A	99.07	81.5	97.68	96.7
34	8CS4A	96	92	96	93.3

Table B. 3.2.2: Attainment of Course Outcomes of all courses with respect to set attainment levels

3.3. Attainment of Program Outcomes and Program Specific Outcomes (50)

3.3.1. Describe assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

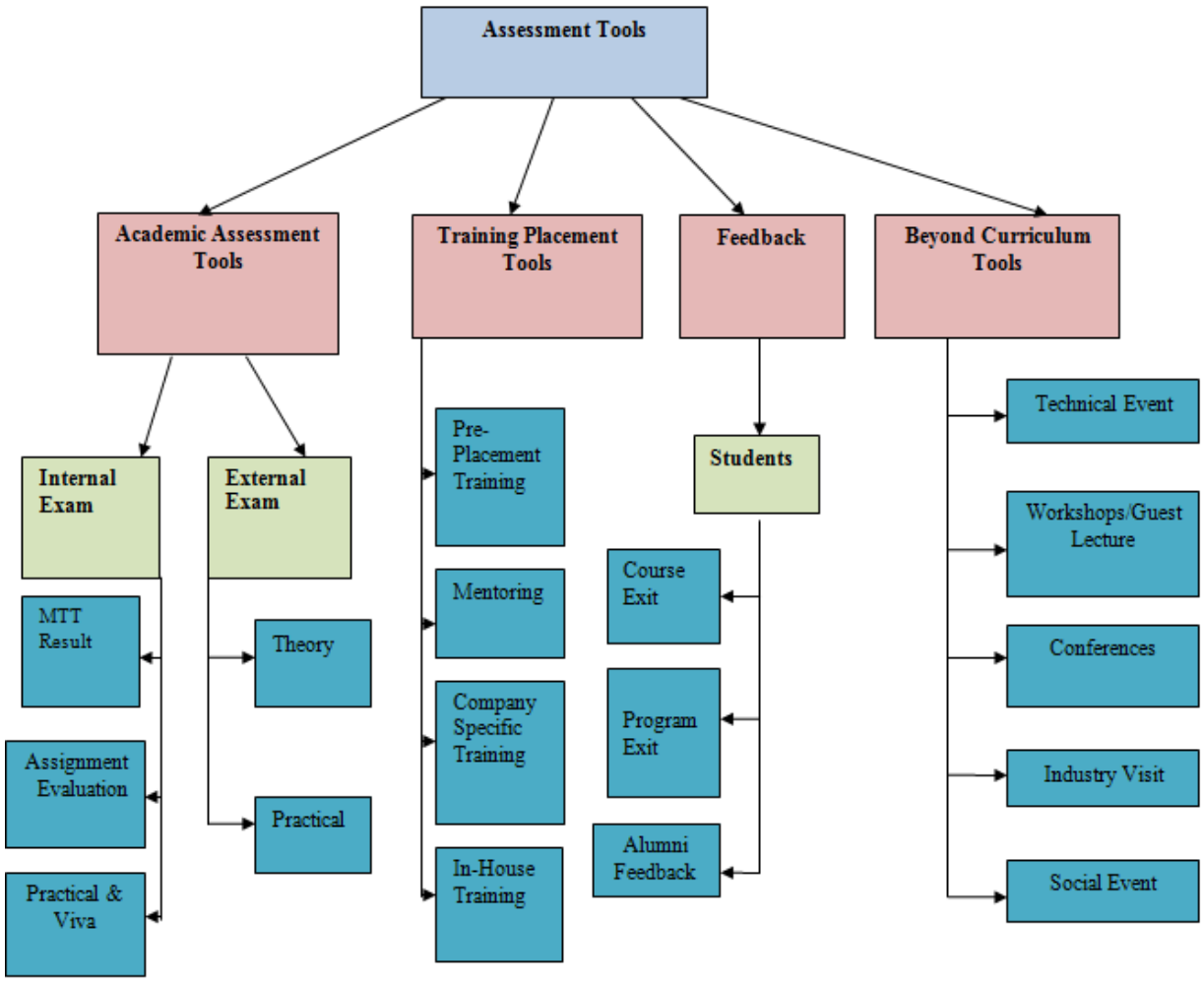


Figure B.3.3.1: Assessment process for attaining POs and PSOs

3.3.2. Provide results of evaluation of each PO & PSO (40)

PO	Tool	Tools
PO1-PO12	Academic Assessment	MTT Result
		Final RTU Result
		Project
		Lab/Experiments
		Industrial training
	Placement	Final Placed Strength
		Mentoring
		Soft skill
		Higher Studies
	Feedback	Course Exit
		Student Exit
		Alumni Exit

Table B.3.3.1a: Assessment process for attaining Pos

PSO	Tools
PSO1-PSO2	In-house Training
	Project
	Technical Events
	Conference/
	Technical Training
	E-Resources
	Workshops/Invited Talks

Table B.3.3.1b: Assessment process for attaining PSOs

Results of evaluation:This is sample PO1 tools and its rubric and mapping with attainments in the respective years. Different mappings and attainments are achieved with others POs

Results of evaluation of each PO (2016-17)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science& Engineering specialization to the solution of complex Computer Science& Engineering problems.

Tool	Tools	Mapping	Rubric	Attainment
Academic Assessment	MTT Result	H	70% students >65%=>100% marks	3
			70% students >60%=>80%	
			60% students >65%=>60%	
			60% students >60%=>50%	
			Else =>0 marks	
	Final RTU Result	L	70% students >65%=>100% marks	0
			70% students >60%=>80%	
			60% students >65%=>60%	
			60% students >60%=>50%	
			Else=> 20 marks	

	Project	M	Distribution as per rule =>20% marks Continuous assessment -1 =>20% Continuous assessment -2 =>20% Internal assessment -1 =>20% External assessment -1 =>20% Else 0 marks	2
	Lab/Experiments	M	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%	2
	Industrial training	L	>=90% students visited =>100% marks >=80% students visited=>80% >=60% students visited =>60% >=50% students visited =>50% Else=> 0 marks	1
Placement	Final Placed Strength	M	>=65% students placed => 100% >=60% students placed => 80% >=55% students placed => 70% >=50% students placed => 60% Else=>= 0 marks	2
	Mentoring	M	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks	2
	Soft skill	L	>=80% students attended=> 100% >=70% students attended=> 80% >60% students attended => 70% >=50% students attended=> 60% Else=>= 0 marks	1
	Higher Studies	M	>=40% students cleared => 100% >=35% students cleared => 80% >=30% students cleared=> 70% >=25% students cleared => 60% Else=>= 25% marks	.5
	PSU/GATE	H	>=35% students cleared => 100% >=30% students cleared => 80% >=25% students cleared=> 70% >=20% students cleared => 60% Else=>= 20% marks	.6
Beyond Curriculum	Technical Events	H	>=80% students participated => 100% >=70% students participated => 80% >60% students participated=> 70% >=55% students participated => 60% Else=>= 0 marks	3
	Conference/Workshops	M	>=60% students attended => 100% >=55% students attended => 80% >50% students attended=> 70% >=45% students attended => 60% Else=>= 0 marks	1.2
	Social Events	L	>=70% students participated => 100% >=60% students participated => 80% >55% students participated=> 70% >=50% students participated => 60% Else=>= 0 marks	.6
	E-Resources	M	>=100% students use => 100%	1.6

			>=90% students use=> 90% >=80% students use=> 80% >=70% students use => 70% Else=>= 0 marks	
	Industrial visit	H	>=90% students visited =>100% marks >=80% students visited=>80% >=60% students visited =>60% >=50% students visited =>50% Else=> 0 marks	1.8
Feedback	Course Exit	H	>=100% students filled=> 100% >=90% students filled => 90% >=80% students filled=> 80% >=70% students filled => 70% Else=>= 0 marks	3
	Student Exit	H	>=100% students filled => 100% >=90% students filled => 90% >=80% students filled=> 80% >=70% students filled =>70% Else=>= 0 marks	2.7
	Alumni Exit	M	>=90% students filled => 100% >=80% students filled => 80% >=70% students filled=> 70% >=60% students filled => 60% Else=>= 0 marks	1.2

Table B.3.3.2c: Sample of Assessment process for attaining PO1

PO Attainment(2016-17)												
PO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Actual /Ideal Value	54	54	54	54	54	54	54	54	54	54	54	54
Target Value	38	37	40	40	38	38	30	30	45	31	38	36
Target Value%	70.4	68.5	74.1	74.1	70.4	70.4	55.6	55.6	83.3	57.4	70.4	66.7
Attained Value	29	29.6	34.1	31.2	31	31.8	24	23.8	34.5	24.8	28.4	28.6
Attained Value % w.r.t. Ideal	53.7	54.8	63.1	57.8	57.4	58.8	44.4	44	63.8	45.8	52.6	52.9
Gap%	16.7	13.7	11	16.3	13	11.6	11.2	11.6	19.5	11.6	17.8	13.8

Table B.3.3.2o: PO Attainment (2016-17)

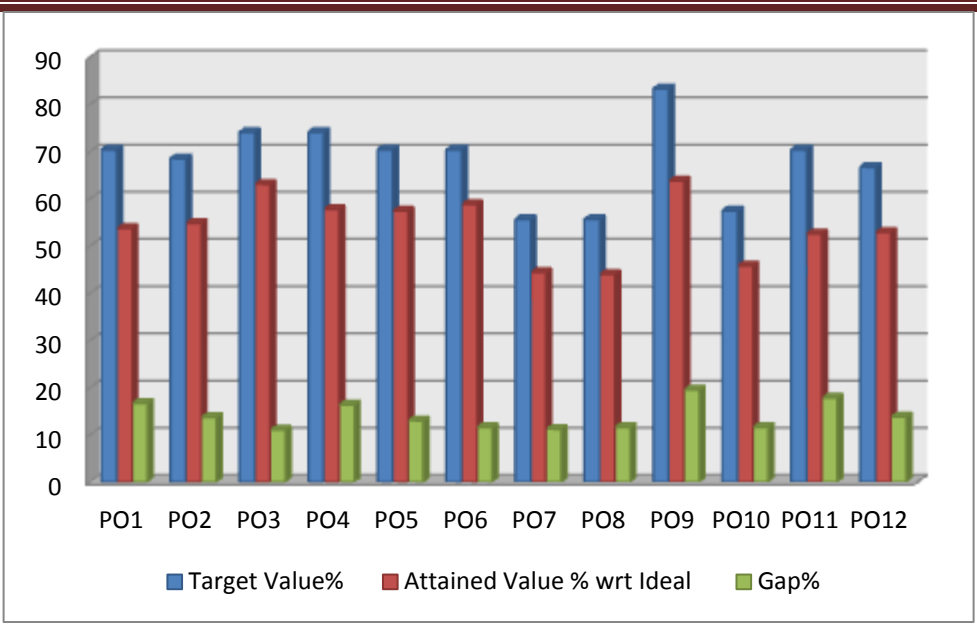


Figure B.3.3.2a: PO Attainment (2016-17)

PO Attainment(2015-16)												
PO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Actual /Ideal Value	54	54	54	54	54	54	54	54	54	54	54	54
Target Value	38	37	40	40	38	38	30	30	45	31	38	36
Target Value (in %)	70.4	68.5	74.1	74.1	70.4	70.4	55.6	55.6	83.3	57.4	70.4	66.7
Attained Value	16.5	17	21	19.4	17.6	19.4	13.2	12.4	21.5	16.5	17.2	16.9
Attained Value % w.r.t. Ideal	30.6	31.5	38.9	35.9	32.6	35.8	24.4	22.9	39.7	30.5	31.9	31.2
Gap(in %	39.8	37	35.2	38.2	37.8	34.6	31.2	32.7	43.6	26.9	38.5	35.5

Table B. 3.3.2p: PO Attainment (2015-16)

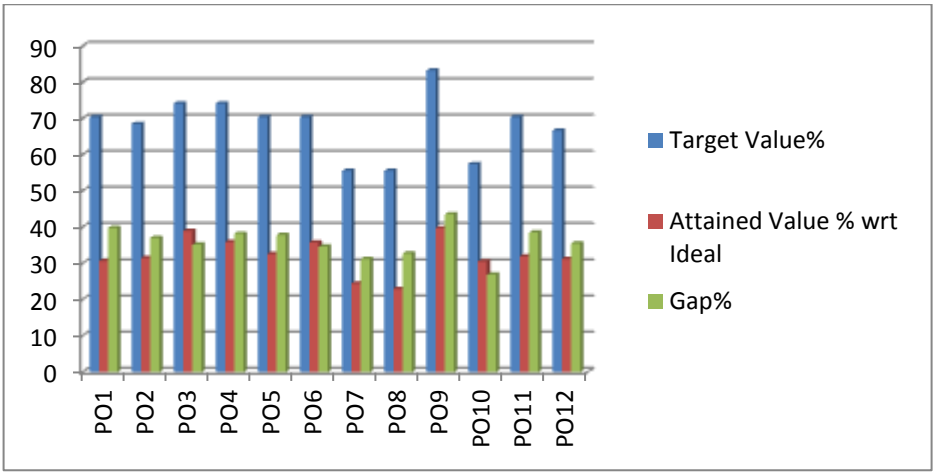


Figure B. 3.3.2b: PO Attainment (2015-16)

PO Attainment(2017-18)												
PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Actual /Ideal Value	54	54	54	54	54	54	54	54	54	54	54	54
Target Value	38	37	40	40	38	38	30	30	45	31	38	36
Target Value%	70.4	68.5	74.1	74.1	70.4	70.4	55.6	55.6	83.3	57.4	70.4	66.7
Attained Value	32	31.3	35.7	32.4	33.2	34.2	25.3	25.4	36.9	26.4	30.2	31
Attained Value %	59.3	58	66.1	60	61.5	63.2	46.8	46.9	68.2	48.8	55.9	57.3
Gap%	11.1	10.5	8	14.1	8.9	7.2	8.8	8.7	15.1	8.6	14.5	9.4

Table B.3.3.2q: PO Attainment (2017-18)

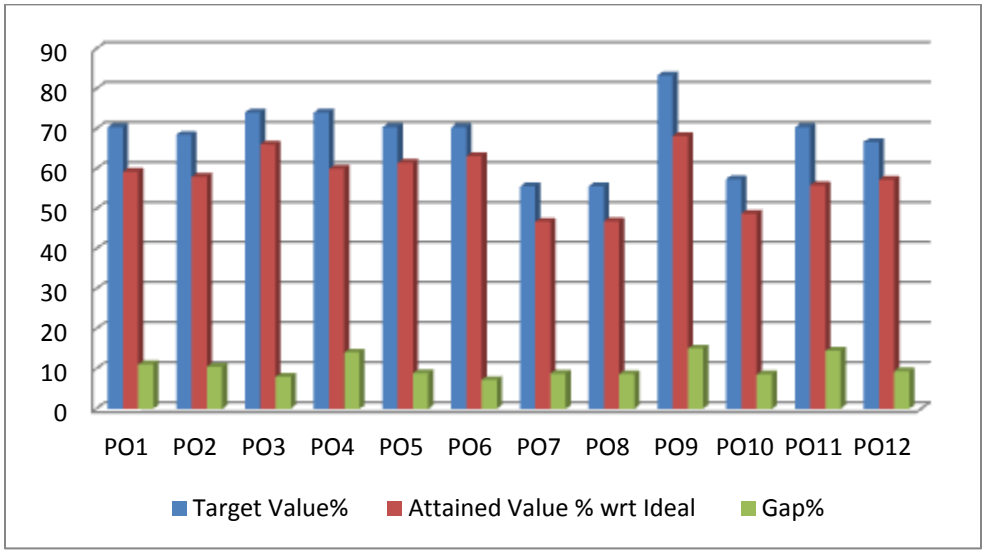


Figure B.3.3.2c: PO Attainment (2017-18)

Comparative Analysis of academic session CAY, CAYm1 and CAYm2

Attained Value % w.r.t. Ideal	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Target Value%	70.4	68.5	74.1	74.1	70.4	70.4	55.6	55.6	83.3	57.4	70.4	66.7
2015-16	30.6	31.5	38.9	35.9	32.6	35.8	24.4	22.9	39.7	30.5	31.9	31.2
2016-17	53.7	54.8	63.1	57.8	57.4	58.8	44.4	44	63.8	45.8	52.6	52.9
2017-18	59.3	58	66.1	60	61.5	63.2	46.8	46.9	68.2	48.8	55.9	57.3

Table B.3.3.2r: PO Attainment (2017-18, 2016-17 and 2015-16)

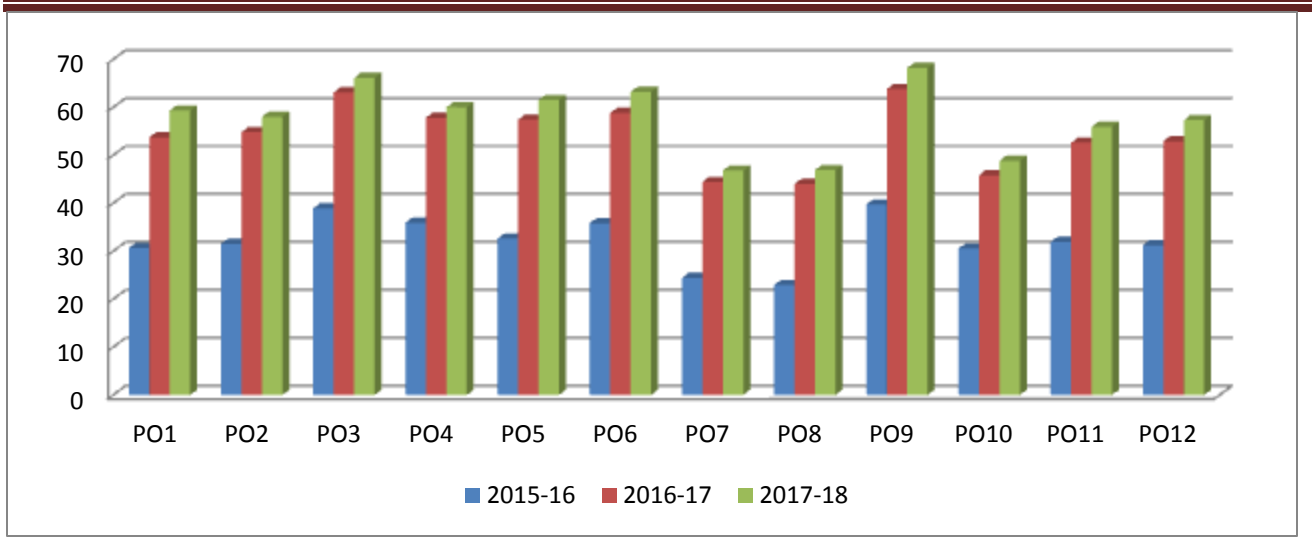


Figure B.3.3.2d: PO Attainment (2017-18, 2016-17 and 2015-16)

Assessment tools and processes used for measuring the attainment of each of the Program Specific Outcomes

PSO1: Ability to interpret and analyze network specific and cyber security issues in real world environment.

PSO Attainment CAY(2017-18)

Tools	Mapping	Rubric	Attainment
In-House Training	H	70% students attended >65%=>100% marks	1.5
		70% students attended >60%=>80%	
		60% students attended >65%=>60%	
		60% students attended >60%=>50%	
		Else =>20% marks	
Project	H	>=50% students developed =>100% marks	1.8
		>=40% students Participated=>80%	
		>=30% students Participated=>60%	
		Else=>20%	
Technical Events	H	>=80% students participated => 100%	1.8
		>=70% students participated => 80%	
		>60% students participated=> 70%	
		>=55% students participated => 60%	
		Else=>= 20% marks	
Conference	M	>=60% students attended => 100%	0.4
		>=55% students attended => 80%	
		>50% students attended=> 70%	
		>=45% students attended => 60%	
		Else=>= 20% marks	
Technical Training	H	>=70% students participated =>100%	1.8
		>=60% students participated => 80%	
		>55% students participated=> 70%	
		>=50% students participated => 60%	
		Else=>= 20% marks	
E-Resources	M	>=100% students use => 100%	1.4
		>=90% students use=> 90%	

		>=80% students use=> 80% >=70% students use => 70% Else=>= 20% marks	
Workshops/Invited Talks	H	>=90% students visited =>100% marks >=80% students visited=>80% >=60% students visited =>60% >=50% students visited =>50% Else=> 20% marks	1.5

Table B.3.3.2s: Attainment Process of PSO1

PSO2: Ability to design and develop mobile and web-based applications under realistic constraints.

Tools	Mapping	Rubric	Attainment
In-House Training	H	70% students attended >65%=>100% marks 70% students attended >60%=>80% 60% students attended >65%=>60% 60% students attended >60%=>50% Else =>20% marks	1.5
Project	H	>=50% students developed =>100% marks >=40% students Participated=>80% >=30% students Participated=>60% Else=>20%	3
Technical Events	H	>=80% students participated => 100% >=70% students participated => 80% >60% students participated=> 70% >=55% students participated => 60% Else=>= 20% marks	2.4
Conference	M	>=60% students attended => 100% >=55% students attended => 80% >50% students attended=> 70% >=45% students attended => 60% Else=>= 20% marks	0.4
Technical Training	H	>=70% students participated =>100% >=60% students participated => 80% >55% students participated=> 70% >=50% students participated => 60% Else=>= 20% marks	2.4
E-Resources	M	>=100% students use => 100% >=90% students use=> 90% >=80% students use=> 80% >=70% students use => 70% Else=>= 20% marks	1.4
Workshops/Invited Talks	H	>=90% students visited =>100% marks >=80% students visited=>80% >=60% students visited =>60% >=50% students visited =>50% Else=> 20% marks	2.4

Table B. 3.3.2t: Attainment Process of PSO2

PSO	PSO1	PSO2
Ideal Value	21	21
Target Value	19	19
Target	90.47%	90.47%
Attained value	6.5	11.3
Attained value Ideal wise	30.95%	53.80%
Gap	59.52%	36.66%

Table B. 3.3.2u: PSO Attainment (2016-17)

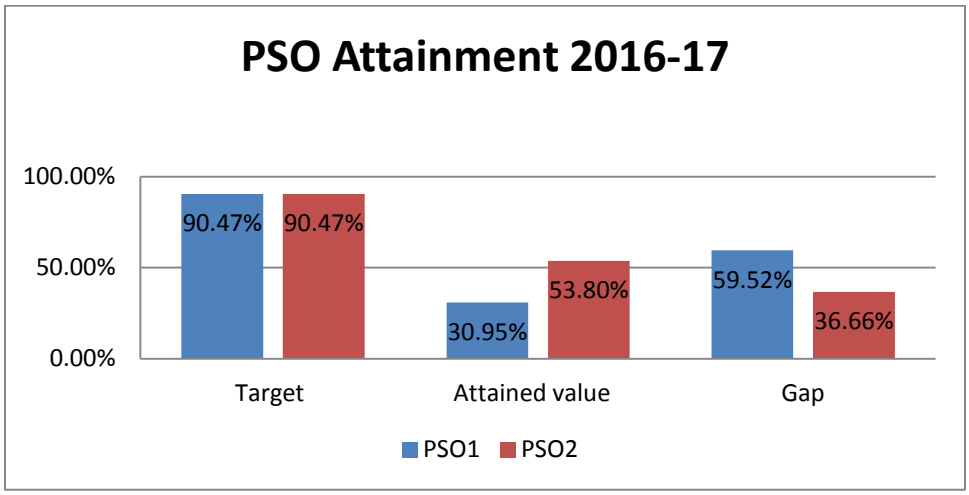


Figure B. 3.3.2e: PSO Attainment (2016-17)

PSO	PSO1	PSO2
Ideal Value	21	21
Target Value	19	19
Target	90.47%	90.47%
Attained value	10.2	13.5
Attained value Ideal wise	48.57%	64.28%
Gap	41.90%	26.19%

Table B. 3.3.2v: PSO Attainment (2017-18)

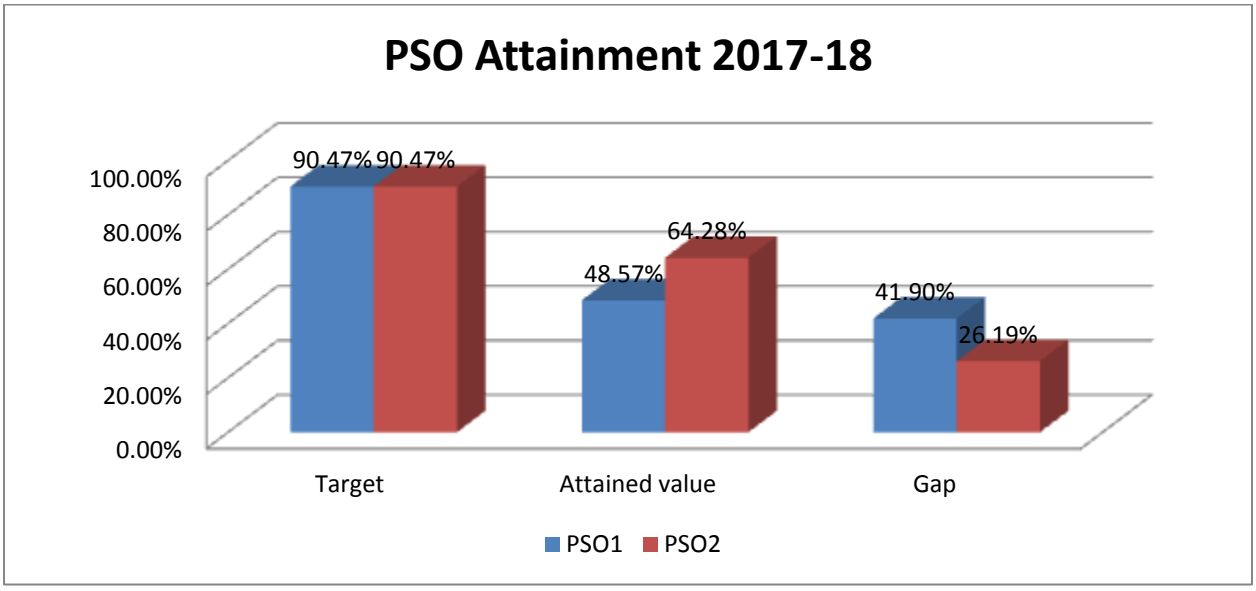


Figure B. 3.3.2e: PSO Attainment (2017-18)

Comparative Analysis of academic session 2016-17 and 2015-16

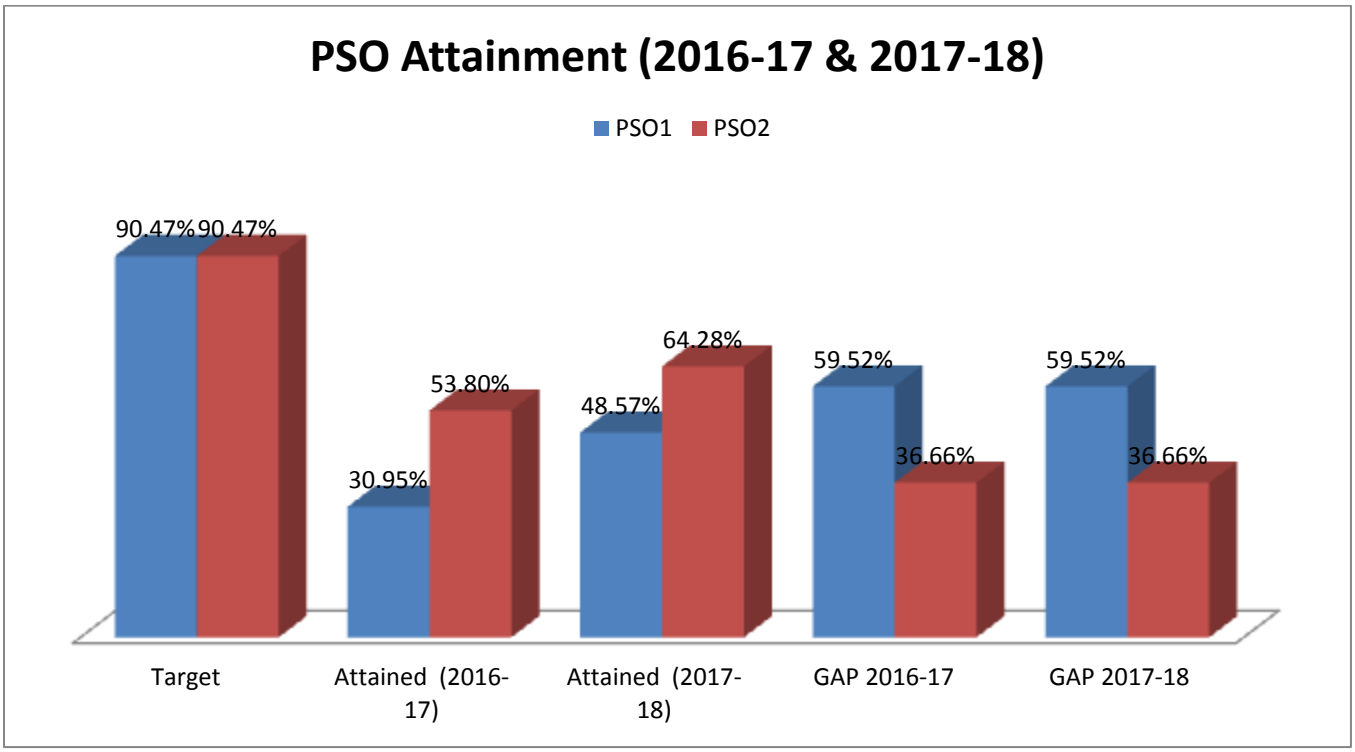


Figure B. 3.3.2f: PSO Attainment (2016-17 &2017-18)

CRITERIA 4

STUDENTS' PERFORMANCE
(150)

CRITERION 4	Students' Performance	150

4. STUDENTS PERFORMANCE (150)

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY P1 (2018-2019)	CAY (2017-2018)	CAY*m*1 (2016-2017)
Sanctioned intake of the program (*N*)	180	180	180
Total number of students admitted in first year *minus* number of students migrated to other programs/institutions plus no. of students migrated to this program (*N*1)	192	189	189
Number of students admitted in 2nd year in the same batch via lateral entry (*N*2)	0	10	4
Separate division students, if applicable (*N3*)	Nil	Nil	Nil
Total number of students admitted in the Program (*N*1 + *N*2 + N3)	192	199	193

Table B.4a: Total number of students admitted in the Program

CAY – Current Academic Year
CAYm1- Current Academic Year minus1= Current Assessment Year
CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1
LYG – Last Year Graduate minus 1
LYGm1 – Last Year Graduate minus 1
LYGm2 – Last Year Graduate minus 2

Year of entry	*N*1 + *N*2 + N3 (As defined above)	Number of students who have successfully graduated without backlogs in any semester/year of study (Without Backlog means no compartment or failures in any semester/year of study)			
		I Year	II Year	III Year	IV Year
CAY P1(2018-2019)	192(192+0+0)				
CAY (2017-2018)	199 (189+10+0)	168			
CAY*m1* (2016-2017)	193 (189+4+0)	144	128		
CAY*m2*(2015-2016)	206 (194+12+0)	143	92	92	
CAY*m3* (LYG)(2014-2015)	218 (198+20+0)	146	121	115	114
CAY*m4* (LYG*m*1)(2013-2014)	207 (193+14+0)	119	88	80	80
CAY*m5* (LYG*m*2)(2012-2013)	158 (133+25+0)	79	69	68	67

Table B.4b: Number of students who have successfully graduated without backlogs

Year of entry	*N*1 + *N*2 + N3 (As defined above)	Number of students who have successfully graduated (Students with backlog in stipulated period of study)			
		I Year	II Year	III Year	IV Year
CAY P1 (2018-2019)	192 (192+0+0)				
CAY*m* (2017-2018)	199 (189+10+0)	21			
CAY*m*1 (2016-2017)	193 (189+4+0)	45	65		
CAY*m2*(2015-2016)	206 (194+12+0)	51	114	114	
CAY*m3* (LYG) (2014-2015)	218 (198+20+0)	52	97	103	67
CAY*m4* (LYG*m*1) (2013-2014)	207 (193+14+0)	74	119	127	98
CAY*m*5 (LYG*m*2) (2012-2013)	158 (133+25+0)	54	89	90	69

Table B.4c: Number of students who have successfully graduated

4.1. Enrolment Ratio (20) Enrolment Ratio= N1/N

Enrolment Ratio = Students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year

Item	CAY (2017-2018)	CAY*m1*` (2016-2017)	CAY*m2* (2015-2016)
Sanctioned intake of the program (*N*)	180	180	180
Total number of students admitted in first year *minus* number of students migrated to other programs/institutions plus no. of students migrated to this program (*N*1)	189	189	194
Enrolment Ratio = N1/N	1.05	1.05	1.08
Average Enrolment Ratio	1.06 (>=90% students enrolled)		
Marks	20		

Table B.4.1: Enrolment Ratio

4.2. Success Rate in the stipulated period of the program (40)

4.2.1. Success rate without backlogs in any semester/year of study (25)

SI= (Number of students who have graduated from the program without backlog)/ (Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = Mean of Success Index (SI) for past three batches

Success rate without backlogs in any year of study = 25 × Average SI

Item	Last Year of Graduate, LYG (CAY*m3*) (2014-2015)	Last Year of Graduate minus 1, LYG*m1* (CAY*m4*) (2013-2014)	Last Year of Graduate minus 2, LYG*m2* (CAY*m5*) (2012-2013)
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	218	207	158
Number of students who have graduated without backlogs in the stipulated period	114	80	67
Success Index (SI)	0.52	0.39	0.42
Average SI	0.44		

Table B.4.2.1: Success rate without backlogs

Success rate without backlogs in any year of study = 25 × Average SI = 25 x 0.44 = 11

4.2.2. Success rate with backlog in stipulated period of study (15)

SI= (Number of students who graduated from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and actual admitted in 2nd year via lateral entry and separate division, if applicable) Average SI = mean of Success Index (SI) for past three batches

Success rate = 15 × Average SI

Item	Last Year of Graduate(LYG) (CAY*m3*) (2014-15)	Last Year of Graduate minus 1, LYG*m1*(CAY*m4*) (2013-14)	Last Year of Graduate minus 2 LYG*m2*(CAY*m5*) (2012-13)
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	218	207	158
Number of students who have graduated with backlog in the stipulated period	181	178	136
Success Index (SI)	0.83	0.86	0.86
Average Success Index	0.85		

Table B.4.2.2: Success rate with backlog in stipulated period of study

Success rate = 15 × Average SI = 15 x 0.85 = 12.75

Note: If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 & 4.2.2 will be applicable simultaneously**.**

4.3. Academic Performance in Third Year (15)

*Academic Performance = 1.5 * Average API (Academic Performance Index)*

***API** = ((Mean of 3rd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Third Year/10)) x (number of successful students/number of students appeared in the examination)*

Successful students are those who are permitted to proceed to the final year

Academic Performance	CAY(2017-18)	CAYm1(2016-17)	CAYm2(2015-16)
Mean Percentage of all successful students(X)	6.95	6.73	6.55
Total number of successful students (Y)	202	218	202
Total number of students appeared in the examination (Z)	202	218	202
API = X* (Y/Z)	6.95	6.73	6.55
Average API = (API1+API2+API3)/3	6.74		
Academic Performance= 1.5*Average API	10.11		

Table B.4.3: Academic Performance in Third Year

4.4. Academic Performance in Second Year (15)

*Academic Performance Level = 1.5 * Average API (Academic Performance Index)*

***API** = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) x (number of successful students/number of students appeared in the examination)*

Successful students are those who are permitted to proceed to the Third year

Academic Performance	CAY(2017-18)	CAYm1(2016-17)	CAYm2(2015-16)
Mean Percentage of all successful students(X)	6.76	6.48	6.26
Total number of successful students (Y)	191	203	214
Total number of students appeared in the examination (Z)	191	203	214
API = X* (Y/Z)	6.76	6.48	6.26
Average API = (API1+API2+API3)/3	6.50		
Academic Performance= 1.5*Average API	9.75		

Table B.4.4: Academic Performance in Second Year

4.5 Placement, Higher Studies and Entrepreneurship (40)

Assessment Points = 40 × average placement

Item	CAY (2017-18)	CAYm1 (2016-17)	CAYm2 (2015-16)
Total No. of Final Year Students (N)	218	202	154
No. of Students Placed in Companies or Government Sector (X)	142	150	111
No. of Students Admitted to higher Studies with Valid qualifying Scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (Y)	4	9	11
No. of Students turned entrepreneur in Engineering/ Technology (Z)	1	4	5
X+Y+Z=	147	163	127
Placement Index: (X+Y+Z)/N	0.674	0.806	0.824
Average Placement= (P1+P2+P3)/3	0.756		

Table B.4.5: Placement, Higher Studies and Entrepreneurship

Assessment Points= 40 *0.756= 30.2

4.5a. Provide the placement data in the below mentioned format with the name of the Program and the assessment year:

Programs Name and Assessment Year: CSE & 2015-16			
S.no.	**Name of the student placed**	**Enrollment no.**	**Name of the Employer**
1	Aakanksha Kumawat	12E1JCCSF3XP001	Accenture Services Pvt. Ltd.
2	Aakriti Goyal	12E1JCCSF4XP002	Resonant Cloud Solutions
3	Aastha Gambhir	12E1JCCSF4XP003	TCS
4	Abhishek Baj	12E1JCCSM4XP005	Phone Support
5	Abhishek Galav	12E1JCCSM4XP006	TCS
6	Abhishek Gupta	12E1JCCSM4XP007	TCS
7	Abhishek Soni	12E1JCCSM3XP008	TCS, Accenture
8	Aditya Kumar	12E1JCCSM45P010	Configaware
9	Aditya Pokharna	12E1JCCSM4XP013	Mindtree, Accenture, Microsoft
10	Ajay Sharma	12E1JCCSM4XP301	TCS

11	Akanksha Sharma	12E1JCCSF4XP015	Accenture Services Pvt. Ltd.
12	Amit Gupta	12E1JCCSM4XP017	Mindtree
13	Ankit Sharma	12E1JCCSM4XP019	Accenture Services Pvt. Ltd.
14	Ankit Soni	12E1JCCSM3XP020	TCS
15	Ankur Jain	12E1JCCSM4XP022	TCS, Accenture
16	Anshita Bhatia	12E1JCCSF4XP023	Accenture Services Pvt. Ltd.
17	Arpit Sharma	12E1JCCSM4XP024	TATA Consultancy Services Limited
18	Arpit Somani	12E1JCCSM4XP025	TCS
19	Arti Sharma	12E1JCCSF41P026	TCS
20	Arvind Bhat	12E1JCCSM45P027	Just Dial, Teleperformance*
21	Asrar Hussain	13E1JCCSMXXP302	ICAR-CSWRI GOVERNMENT JOB
22	Astha Sharma	12E1JCCSF4XP029	TCS
23	Ayushi Garg	12E1JCCSF4XP303	Mindtree, Accenture
24	Ayushi Khandelwal	12E1JCCSF4XP030	TCS
25	Ayushi Mathur	12E1JCCSF4XP031	TCS, Accenture
26	Bhumika Marolia	12E1JCCSF4XP032	TATA Consultancy Services Limited
27	Bhupender	12E1JCCSM3XP033	TCS
28	Bhuwanesh Pareek	12E1JCCSM4XP034	First American
29	Cheena Middha	12E1JCCSF4XP036	Accenture Services Pvt. Ltd
30	Chetan Singh Rathore	12E1JCCSM4XP037	Teleperformance
31	Deepak Lodha	12E1JCCSM4XP039	Rebuscode, Capegemini, TCS
32	Deepak Saraf	12E1JCCSM4XP040	Faber works, IKY Technosoft
33	Diksha Raina	12E1JCCSF45P041	ConfigAware
34	Gaurav Khandhari	12E1JCCSM45P043	TCS, Accenture
35	Gunjan Aswani	12E1JCCSF4XP302	TCS, Accenture
36	Gurpreet Singh Sawhney	12E1JCCSM4XP045	Just Dial
37	Harshita Khandelwal	12E1JCCSF4XP046	TCS, Accenture
38	Himanshu Kumar Singh	12E1JCCSM45P048	TCS, Accenture
39	Jaswinder Singh	12E1JCCSM4XP049	Auditor, central government job
40	Kapil Nainani	12E1JCCSM4XP050	Infoobject
41	Karan Pandit	12E1JCCSM44P051	Bluecubes
42	Kartik Anand	12E1JCCSM4XP053	Teleperformance
43	Kartikeya Bahuguna	12E1JCCSM45P054	Rebuscode
44	Kashmir Sihag	12E1JCCSM3XP055	Tax assistant-Government Job

45	Kshitiz Khandelwal	12E1JCCSM4XP056	Persistent Soft
46	Kumari Poonam	12E1JCCSF45P057	TCS, Accenture
47	Lakshi Bansal	12E1JCCSF4XP058	Mindtree
48	Lalit Singhal	12E1JCCSM4XP059	Rebuscode
49	Mahak Mundra	12E1JCCSM4XP061	Accenture
50	Mahendra Kumar Pirtani	12E1JCCSM4XP062	TCS, Accenture
51	Mahita Sharma	12E1JCCSF4XP064	TCS/Realtime Data Services
52	Maitry	12E1JCCSF4XP065	Accenture Services Pvt. Ltd.
53	Manish Kalra	12E1JCCSM4XP067	Accenture
54	Manoj Goswami	12E1JCCSM3XP068	TCS
55	Mohit Maghanani	12E1JCCSM4XP070	Accenture Services Pvt. Ltd.
56	Monika Mangal	12E1JCCSF4XP071	TCS
57	Ms Nahid Gul Qureshi	12E1JCCSF3XP072	Accenture
58	Naman Agarwal	12E1JCCSM4XP073	TCS, Accenture
59	Nandani Dixit	13E1JCCSFXXP308	Adelante Labs
60	Nitesh Sharma	12E1JCCSM4XP076	TCS
61	Nitin Udawat	12E1JCCSM4XP077	Phone Support
62	Palak	13E1JCCSFXXP312	TCS
63	Palak Goyal	12E1JCCSF4XP078	Accenture Services Pvt. Ltd.
64	Pallavi Bajaj	12E1JCCSF35P079	Accenture Services Pvt. Ltd.
65	Pankaj Suthar	12E1JCCSM3XP080	Persistent Systems Ltd.
66	Parul Vashishet	12E1JCCSF4XP081	TCS, Accenture
67	Payal Jain	12E1JCCSF4XP082	TCS, Accenture
68	Piyush Kumar Begwani	12E1JCCSM4XP083	TCS
69	Pooja Sharma	12E1JCCSM4XP084	TCS, Accenture
70	Prafull Mittal	12E1JCCSM4XP085	Selected government job- GST inspector
71	Prakash	12E1JCCSM45P086	TCS, Accenture, HSBC
72	Pranav Modi	12E1JCCSM45P087	TCS, Accenture
73	Prashant Agarwal	12E1JCCSM4XP089	TCS
74	Pratibha Zutshi	12E1JCCSF45P091	TCS, Accenture
75	Priyanka Agrawal	12E1JCCSF4XP093	Accenture
76	Radhika Joshi	12E1JCCSF4XP094	TCS, Accenture
77	Rahul Jaiman	12E1JCCSM4XP095	Accenture
78	Rajdeep Gautam	12E1JCCSM4XP097	TCS, Accenture
79	Rakshita Mishra	12E1JCCSF45P099	TCS, Accenture
80	Rashika Raina	12E1JCCSF45P100	TCS

81	Richa Sharma	12E1JCCSF4XP101	TCS, Accenture
82	Rishabh Garg	12E1JCCSM4XP102	mindtree, Accenture
83	Rishabh Jindal	12E1JCCSM45P103	OLLOSOFT PVT LTD
84	Ritika Choudhary	13E1JCCSFXXP315	Phone Support
85	Rohit Seervi	13E1JCCSMXXP316	Ever data Technology
86	Romit Jain	13E1JCCSMXXP317	Accenture
87	Sahil Gulati	12E1JCCSM4XP105	Just Dial
88	Sailesh Choyal	12E1JCCSM3XP106	TCS, Accenture, UpGrad
89	Saksham Gupta	12E1JCCSM4XP107	infoobject
90	Sakshi Chauhan	12E1JCCSF45P108	TCS, Accenture
91	Sangik Sen	12E1JCCSM45P110	Netskope India
92	Sanidhya Mathur	13E1JCCSMXXP318	Phone Support
93	Shahida Bano	13E1JCCSFXXP319	TCS
94	Shivam Agiwal	12E1JCCSM4XP113	TCS
95	Shivani Gupta	12E1JCCSF4XP114	TCS, Accenture
96	Shivanshi Julania	12E1JCCSF45P115	Accenture
97	Shobhit Agarwal	12E1JCCSM45P117	Bluecubes
98	Ravi Kumar Sen	13E1JCCSMXXP314	E- Collect PVT LTD
99	Shubham Prajapati	12E1JCCSM3XP118	ConfigAware, Deloitte
100	Shweta Chaturvedi	12E1JCCSF4XP119	Accenture
101	Sohaldeep Kaur	13E1JCCSFXXP322	Accenture Services Pvt. Ltd.
102	Sonali Bansal	12E1JCCSF4XP304	TCS, Accenture
103	Srishti Gupta	12E1JCCSF4XP122	Accenture,Tata tech
104	Sukriti Jain	12E1JCCSF4XP123	TCS, Accenture
105	Sumit Sharma	12E1JCCSM4XP124	TCS, Accenture
106	Swati Garg	13E1JCCSFXXP324	TCS
107	Tarun Khariwal	12E1JCCSM4XP126	TCS
108	Tushar Goyal	12E1JCCSM4XP127	TCS
109	Vidhit Jhalani	12E1JCCSM4XP128	Just Dial / Jhalani Engineers
110	Vivek Khandelwal	12E1JCCSM4XP131	Accenture
111	Yogesh Nogia	12E1JCCSM1XP132	Just Dial

Table 4.5a.a :Placement Details 2015-16

Programs Name and Assessment Year: CSE & 2016-17

S.no.	Name of the student placed	Enrollment no.	Name of the Employer
1	Aashi Manak Bohara	13E1JCCSF4XP001	Accenture
2	Abhishek Jain	13E1JCCSM4XP004	Informatica Business Solution Pvt. Ltd.
3	Abhishek Jain	13E1JCCSM4XP005	Accenture

4	Abhishek Laddha	13E1JCCSM4XP006	Accenture
5	Akanksha Pandey	13E1JCCSF45P012	Quick Silver Connecting the Dots Services Pvt Ltd
6	Akshay Mishra	13E1JCCSM4XP013	Aayat Softech
7	Akshit Gupta	13E1JCCSM45P015	Micro Focus(HBE)
8	Aman Kumar Lata	13E1JCCSM4XP016	Technocopacetic
9	Amogh Pareek	13E1JCCSM4XP018	Celubal India Pvt Solution
10	Anjali Singh	13E1JCCSF45P021	Accenture
11	Anshika Bangroo	13E1JCCSF45P024	Aayat Softech
12	Anuj Jain	13E1JCCSM4XP025	Mind IT
13	Anuj Rastogi	13E1JCCSM4XP026	Accenture
14	Anurag Saini	13E1JCCSM3XP027	DLB Software
15	Arpit Toshniwal	13E1JCCSM4XP031	Aayat Softech
16	Ashita Sharma	13E1JCCSF4XP033	Accenture
17	Ashutosh Shukla	13E1JCCSM4XP035	Accenture
18	Ayushi Gupta	13E1JCCSF4XP037	Accenture
19	Bulbul Koul	13E1JCCSF45P039	Aayat Softech
20	Chaitanaya Sethi	13E1JCCSM4XP040	Accenture
21	Deepak Sharma	13E1JCCSM4XP045	DLB Software
22	Deepanker Kumar	13E1JCCSM45P046	Just Dial
23	Deepanshu Kumar	13E1JCCSM35P047	Appcino Technologies Pvt. Ltd.
24	Dekshant Khandelwal	13E1JCCSM4XP048	Bullseye
25	Diksha Aggarwal	13E1JCCSF4XP050	Accenture
26	Dipesh Bhatia	13E1JCCSM4XP051	Mind IT
27	Himalya Goyal	13E1JCCSM4XP057	Gluto impex private limited
28	Jyoti Prajapati	13E1JCCSF3XP062	Accenture
29	Kanak Kumar Jain	13E1JCCSM4XP063	OYO
30	Karan Chaparwal	13E1JCCSM3XP064	Celebal Technologies
31	Kartik Laddha	13E1JCCSM4XP065	Accenture
32	Khushi Gupta	13E1JCCSF4XP068	Celebal India sol
33	Komal Kumari Garg	13E1JCCSF4XP072	Newzen
34	Aditya Mathur	13E1JCCSM4XP011	Accenture
35	Harsha Haryani	13E1JCCSF4XP055	Accenture/HPE
36	Khyati Tandon	13E1JCCSF4XP071	Accenture
37	Krishana Kumar	13E1JCCSM35P073	IPSoft Global Service
38	Ankush Goyal	13E1JCCSM4XP023	Mindtree/TCS
39	Khyati Goyal	13E1JCCSF45P070	SRC Private Ltd
40	Ayush Goyal	13E1JCCSM4XP036	Accenture
41	Abhishek Sharma	13E1JCCSM4XP008	GIPL

42	Anirudh Bansal	13E1JCCSM4XP019	Infoobject
43	Anjali Sharma	13E1JCCSF4XP020	Accenture
44	Gunjan Bhardwaj	13E1JCCSF4XP054	Accenture
45	Kavish Goyal	13E1JCCSM45P067	Soprasteria
46	Kriti Tanwani	13E1JCCSF4XP074	Accenture
47	Lokesh Devnani	13E1JCCSM4XP077	Causecode/Calsoft
48	Lokesh Patni	13E1JCCSM4XP078	Mindtree
49	Luv Mathur	13E1JCCSM4XP079	Intime Tech
50	Manu Singhal	13E1JCCSF4XP081	Accenture
51	Megha Jain	13E1JCCSF4XP084	Accenture
52	Milind Jain	13E1JCCSM4XP087	Componence software pvt. ltd.
53	Mohammed Talha	13E1JCCSM3XP090	Mind IT
54	Mohit Garg	13E1JCCSM4XP091	Accenture
55	Mugdha Bhatia	13E1JCCSF45P094	Accenture
56	Mukul Agarwal	13E1JCCSM4XP095	Accenture
57	Naman Jain	13E1JCCSM4XP098	Accenture
58	Niharika Jain	13E1JCCSF4XP103	Mindtree
59	Nikita Kochar	13E1JCCSF4XP105	Accenture
60	Palak Baid	13E1JCCSF4XP108	Accenture
61	Palkesh Jain	13E1JCCSM45P109	Optimize IT Systems Pvt. Ltd.
62	Pankaj Kalwani	13E1JCCSM4XP110	Newzen
63	Pankaj	13E1JCCSM35P111	uCertify
64	Prachi Tomar	13E1JCCSF45P116	Accenture
65	Pragya Vashishtha	13E1JCCSF4XP118	Accenture
66	Pramod Bhobharia	13E1JCCSM3XP119	GIPL
67	Pranav Kachroo	13E1JCCSM45P120	Aayat Sotech/Just dial
68	Prasook Jain	13E1JCCSM4XP121	Mindtree
69	Pratham Yadav	13E1JCCSM3XP122	Accenture
70	Praval Jain	13E1JCCSM4XP123	Cloudthing Pvt Ltd
71	Priyanka Malhotra	13E1JCCSF4XP128	Accenture
72	Priyash Khandelwal	13E1JCCSM4XP129	Soft Clouds
73	Radhika Juneja	13E1JCCSF4XP131	Accenture
74	Ratish Udawat	13E1JCCSM4XP133	just dial
75	Raunak Garg	13E1JCCSM4XP134	HPE/MicroFocus
76	Rewati Raman	13E1JCCSM4XP135	Activant Solutions
77	Mukund Khandelwal	13E1JCCSM4XP095	Cyntexa Lab
78	Rohan Malhotra	13E1JCCSM4XP139	Causecode
79	Sakshi Agarwal	13E1JCCSF4XP141	Accenture
80	Sameeksha Garg	13E1JCCSF4XP143	Accenture/HPE

81	Sankalp Gupta	13E1JCCSM4XP144	Accenture
82	Preety Sharma	13E1JCCSF4XP126	Mind IT
83	Mahesh Khandelwal	13E1JCCSM4XP080	Accenture
84	Ojasvi Singhal	13E1JCCSF4XP107	Accenture
85	Poorva Soni	13E1JCCSF3XP115	Accenture
86	Samarth Paboowal	13E1JCCSM4XP142	Mindtree
87	Rishabh Sharma	13E1JCCSM4XP136	just dial
88	Rohit Advani	13E1JCCSM4XP140	Tech Ahead
89	Medhavi Garg	13E1JCCSF4XP083	Mindtree
90	Neha Goyal	13E1JCCSF4XP102	Accenture
91	Parag Hurkat	13E1JCCSM4XP113	Accenture
92	Neha Arora	13E1JCCSF4XP101	Accenture
93	Priyanka Goyal	13E1JCCSM4XP127	Accenture
94	Preetam Swami	13E1JCCSM3XP125	Aayat Sotech
95	Pulkit Agarwal	13E1JCCSM4XP130	Intime Tech
96	Mayank Patni	13E1JCCSM4XP082	MarkMyBook
97	Nikhil Ameria	13E1JCCSM4XP104	Mind IT/ OPPO
98	Pinal Jain	13E1JCCSF4XP114	TATA Consultancy Services Ltd.
99	Kumar Pawan	13E1JCCSM45P075	Mind IT
100	Sanket S. Phatak	13E1JCCSM4XP145	Coders Brain, Redhat
101	Sarvesh Sharma	13E1JCCSM4XP146	Aayat Sotech/Just Dial
102	Shikha Swarnkar	13E1JCCSF3XP149	Accenture
103	Shivani Gupta	13E1JCCSF4XP155	Accenture
104	Shivansh Ahuja	13E1JCCSM4XP156	Mind IT
105	Shreya Kaul	13E1JCCSF45P158	Accenture
106	Shreyansh Jain	13E1JCCSM4XP159	Accenture
107	Shritansh Kumar Verma	13E1JCCSM45P160	Aayat Softech/Whitehat InfoTech
108	Shubham Sharma	13E1JCCSM4XP162	Accenture
109	Shubham Sharma	13E1JCCSM4XP163	Coders Brain
110	Tanvi Trackroo	13E1JCCSF45P169	Accenture
111	Tarun Jain	13E1JCCSM4XP170	mindtree
112	Udit Vasu	13E1JCCSM4XP171	TCS/HPE/ JUSPAY
113	Varsha Parihar	13E1JCCSF3XP178	Accenture
114	Varunika Yadav	13E1JCCSF4XP180	Accenture
115	Ved Prakash	13E1JCCSM45P181	BizViz Technologies Pvt. Ltd,
116	Vinayak Parashar	13E1JCCSM45P182	Click Labs Pvt Ltd.
117	Vishal Acharya	13E1JCCSM4XP183	Soprasteria
118	Vishnu Singh	13E1JCCSM4XP185	GIPL/TCS
119	Vivek Gupta	13E1JCCSM4XP186	ICU MEDICAL INDIA PVT LTD

120	Yadhuveer Singh Bharthala	13E1JCCSM4XP187	Tata Consultancy Service
121	Yash Singhal	13E1JCCSM4XP188	TATA Consultancy Services Ltd.
122	Shivangi Kalra	13E1JCCSF4XP852	Accenture
123	Saba Nafees	13E1JCCSF4XP857	Accenture
124	Kaveri Sood	14E1JCCSF40P551	Aayat Sotech
125	Irfan Hussain Silawat	14E1JCCSM30P202	Aayat Sotech/Just Dial
126	Jagdish Singh Rathor	14E1JCCSM40P203	Accenture Solutions Pvt. Ltd.
127	Vikash Sharma	14E1JCCSM40P210	Pixel Point Technology
128	Yash Jha	14E1JCCSM40P212	Aayat Softech
129	Sidharth Gilhotra	13E1JCCSM4XP164	Accenture
130	Sheetal Jain	13E1JCCSF4XP148	Accenture/HPE
131	Sakshi Mittal	13E1JCCSF45P855	Accenture
132	Shilpi Gupta	13E1JCCSF4XP152	Accenture
133	Varun Chawla	13E1JCCSM4XP179	Tech Ahead
134	Ashish Purohit	13E1JCCSM4XP853	Accenture
135	Tanisha Laddha	13E1JCCSF4XP168	Techno Softwares, Accenture
136	Surbhi Bhatia	13E1JCCSF4XP166	Techno Software, Kota
137	Shilpee Patidar	13E1JCCSF35P151	Accenture/HPE
138	Shivali	13E1JCCSF45P153	Accenture
139	Umang Jain	13E1JCCSF4XP173	HSBC, Hyderabad
140	Anmol Dayal	13E1JCCSF4XP859	Accenture
141	Nidhi Gupta	13E1JCCSF4XP851	Accenture
142	Varnali Sharma	13E1JCCSF4XP854	Accenture
143	Shikhar Saxena	13E1JCCSM4XP150	Mind IT
144	Supriya Kaul	13E1JCCSF45P165	Aayat Softech
145	Law Kumar Sah	14E1JCCSM35P205	Mind IT
146	Neha Singh	14E1JCCSF40P206	Lantern's
147	Shaheen Khan	13E1JCCSM3XP147	Bulls Eye
148	Deeksha Sharma	13E1JCCSF4XP401	Accenture
149	Teena Agrawal	13E1JCCSF4XP400	Mind IT
150	Moinuddin	13E1JCCSM3XP093	Conduent

Table 4.5a.b :Placement Details 2016-17

Programs Name and Assessment Year: CSE & 2017-18

S.no.	Name of the student placed	Enrollment no.	Name of the Employer
1	Aayushi Johri	14E1JCCSF40P001	Accenture
2	Abhishek Jain	14E1JCCSM40P004	Componence portal service Pvt ltd
3	Abhishek Sarawag	14E1JCCSM30P005	ATCS
4	Abhishek Somani	14E1JCCSM40P006	InfoSys
5	Adarsh Julania	14E1JCCSM45P007	Accenture
6	Aditi Methi	14E1JCCSF40P008	NIIT Technology, Global Logic
7	Akanksha Kaul	14E1JCCSF45P011	eBizneeds (India) Internet Solutions Pvt. Ltd
8	Akshat Trivedi	14E1JCCSM40P012	Capital Trust
9	Akshay Jain	14E1JCCSM40P013	Mindtree/TCS
10	Akshita Agrawal	14E1JCCSF40P016	Accenture
11	Akshita Jain	14E1JCCSF40P017	Accenture
12	Aman Agrawal	14E1JCCSM40P018	Artech
13	Amit Kumar Agrawal	14E1JCCSM40P020	MarketingMindz
14	Anisha Goyal	14E1JCCSF40P022	IBM
15	Anjali Agarwal	14E1JCCSF40P023	Infosys limited
16	Ankit Jhawar	14E1JCCSM40P025	Accenture
17	Anuj Sharma	14E1JCCSM40P029	ATCS
18	Anushka Jain	14E1JCCSF40P031	Matrix
19	Anushree Jain	14E1JCCSF40P028	EY Global
20	Arpit Kalra	14E1JCCSM40P034	Celebal
21	Ashish Agarwal	14E1JCCSM40P035	TCS
22	Ashita Bansal	14E1JCCSF40P037	Accenture/Causecode
23	Astha Koul	14E1JCCSF45P038	SkillRock/HSBC
24	Atul Dada	14E1JCCSM40P039	Hexaview/Infoobject/
25	Avijit Singh Shekhawat	14E1JCCSM40P040	Mindtree
26	Ayushi Aeran	14E1JCCSF40P042	Accenture
27	Badal Jain	14E1JCCSM40P043	Smartsign Design Pvt. Ltd.
28	Bhaskar Sharma	14E1JCCSM40P044	Mindtree/TCS
29	Bhawika Agarwal	14E1JCCSF40P045	Accenture
30	Chinmay Bisen	14E1JCCSM40P046	Sopra Steria
31	Chitrangana Singh	14E1JCCSF40P047	Accenture
32	Deekshant Mamodia	14E1JCCSM40P049	TCS
33	Dhruval Bhardwaj	14E1JCCSM40P050	EY Global Delivery Services India LLP
34	Divaker Soni	14E1JCCSM30P052	Celebal

35	Divisha Sharma	14E1JCCSF40P053	ATCS
36	Divya Dave	14E1JCCSF40P054	Mindtree
37	Divya Maheshwari	14E1JCCSF40P055	IBM
38	Garvit Mittal	14E1JCCSM40P057	SkillRock
39	Harshita Sharma	14E1JCCSF40P062	Celebal
40	Isha Jain	14E1JCCSF45P064	Accenture
41	Ishanvi Modi	14E1JCCSF40P065	IBM
42	Ishita	14E1JCCSF40P066	METACUBE
43	Japleen Kaur	14E1JCCSF40P068	Accenture/TCS
44	Jatin Garg	14E1JCCSM40P070	SkillRock
45	Jayanti Chouhan	14E1JCCSF40P071	Mindtree
46	Kajal Rai	14E1JCCSF45P074	ARN FOCUS IIT/ Oasis Technosoft
47	Kanishka Goyal	14E1JCCSF40P075	IBM
48	Kishan Mangal	14E1JCCSM40P078	Career Point
49	Manjari Singh	14E1JCCSF40P080	Accenture
50	Meetanshi Rawat	14E1JCCSF40P083	Accenture/TCS
51	Meghali Khandelwal	14E1JCCSF40P084	Newgen Software
52	Mohit Jain	14E1JCCSM45P085	TCS
53	Mohit Kumar Earan	14E1JCCSM40P086	Matrix
54	Mohit Maheshwari	14E1JCCSM40P088	Mindtree
55	Naman Goyal	14E1JCCSM40P089	ARN FOCUS IIT
56	Naman Jain	14E1JCCSM45P090	BriskMinds
57	Naveen Saini	14E1JCCSM30P091	Celebal
58	Neetesh Vashishtha	14E1JCCSM40P094	Accenture
59	Neha Piproniyan	14E1JCCSF40P095	Simplyforce
60	Neha Sewda	14E1JCCSF40P096	Accenture/HSBC
61	Netra Singhal	14E1JCCSF40P097	IBM India Pvt Ltd
62	Nikhil Garg	14E1JCCSM45P098	TCS
63	Nimitt Chauhan	14E1JCCSM40P101	Mindtree
64	Nirmal Goyal	14E1JCCSM40P102	Capital Trust
65	Pallavi Varshney	14E1JCCSF40P103	IBM
66	Pankaj	14E1JCCSM40P104	Accenture
67	Paresh Rajvanshi	14E1JCCSM40P105	Nagarro
68	Pavan Bhansali	14E1JCCSM40P106	Mindtree
69	Pooja Gupta	14E1JCCSF40P108	Accenture
70	Pooja Sharma	14E1JCCSF40P109	Hexaware
71	Prabhakar Dubey	14E1JCCSM45P110	Gurukripa, Infosys
72	Pradhumn Trivedi	14E1JCCSM40P111	Bestpeers
73	Pranav Dua	14E1JCCSM40P113	Celebal

74	Pranav Gopal	14E1JCCSM40P114	Capital Trust
75	Rafaiy Abdul Rehman	14E1JCCSM40P119	Marketing Mindz
76	Rahul Jaswani	14E1JCCSM40P120	Matrix
77	Rahul Shambhwani	14E1JCCSM40P122	Metacube
78	Rahul Tiwari	14E1JCCSM45P123	Celebal
79	Rajesh Ayaldasani	14E1JCCSM40P124	Punchh
80	Rakshanda Kaul	14E1JCCSF45P125	Accenture
81	Rishabh Sharma	14E1JCCSM40P126	Accenture Solutions Pvt. Ltd.
82	Rohan Jandu	14E1JCCSM30P130	TCS
83	Rohit Mathur	14E1JCCSM40P134	Sopra Steria
84	Ronak Patni	14E1JCCSM40P135	TCS
85	Saloni Mehta	14E1JCCSF40P140	Musikaar
86	Samarth Tholia	14E1JCCSM40P141	Appirio
87	Sapna Gohrani	14E1JCCSF40P143	Mindtree
88	Sarvesh Kumar	14E1JCCSM45P144	AdHoc Networks
89	Shivam Chetani	14E1JCCSM40P147	TCS
90	Shivani Mareja	14E1JCCSF40P148	Matrix
91	Shivani Soni	14E1JCCSF30P149	Accenture
92	Shubham Bansal	14E1JCCSM40P152	E Connent Pvt Solutions
93	Shubham Gupta	14E1JCCSM40P154	Hexaware
94	Shubham Kalani	14E1JCCSM40P155	TCS
95	Shubham Khandelwal	14E1JCCSM40P156	Accenture
96	Shubham Serva	14E1JCCSM30P157	Mindtree
97	Shubham Sharma	14E1JCCSM40P158	TCS
98	Aakanksha Raj	14E1JCCSF35P300	Bestpeers/Metacube
99	Abha Kabra	14E1JCCSF40P301	Mindtree
100	Abhidha Vatsa	14E1JCCSF40P307	Hexaware
101	Aditya Vikram Singh	15E1JCCSX40P200	Skyway
102	Ajay Bhandari	15E1JCCSX40P201	Just Dial
103	Ankit	15E1JCCSX30P203	Capital Trust
104	Banshi Lal Nain	15E1JCCSX40P205	Capital Trust
105	Jahanvi Bhatt	14E1JCCSF40P302	ATCS
106	Jayesh Agarwal	14E1JCCSM40P194	Accenture
107	Mahima Joshi	15E1JCCSX40P209	Skyway
108	Manali Goswami	15E1JCCSX40P210	Interview Air
109	Rakesh Prajapat	15E1JCCSX30P215	Capital Trust
110	Romi Kumari	14E1JCCSF35P306	Accenture

111	Siddharth Gupta	14E1JCCSM40P159	TCS
112	Sidhima Shekhawat	14E1JCCSF40P160	Accenture
113	Simpi Arora	14E1JCCSF40P198	Accenture Solutions Pvt. Ltd.
114	Srishti Jain	14E1JCCSF40P162	TCS
115	Subham Middha	14E1JCCSM40P163	Mindtree
116	Subigya Rai	14E1JCCSF45P164	Accenture
117	Suhani Sharma	14E1JCCSF40P165	Accenture
118	Tanya Raj	14E1JCCSF40P167	Accenture
119	Tejasv Kulshrestha	14E1JCCSM40P168	TCS
120	Tushar Jain	14E1JCCSM40P169	Mindtree
121	Umesh Kumar Dhakar	14E1JCCSM30P171	ATCS
122	Vaibhav Jain	14E1JCCSM40P174	GKM IT/Sopra Steria
123	Vaibhav Saxena	15E1JCCSX40P218	Just Dial
124	Vaishali Agarwal	14E1JCCSF40P175	Newgen Software
125	Varsha Dewani	14E1JCCSF40P176	Gurukripa
126	Vinayak Gupta	14E1JCCSM40P178	Artech
127	Vinita Bulchandani	14E1JCCSF40P179	Newgen Software
128	Vipendra Singh Devara	14E1JCCSM40P181	Mindtree
129	Vishal Verma	14E1JCCSM40P184	Interview Air
130	Vishesh Koul	14E1JCCSM45P185	Kotak Life Ins.
131	Yash Shah	14E1JCCSM40P190	ATCS
132	Apurvi Mansinghka	14E1JCCSF40P033	Accenture
133	Akshay Vijayvargiya	14E1JCCSM40P015	JRBS/ Oasis Technosoft
134	Ekansh Kushwah	14E1JCCSM40P056	Sopra Steria
135	Kapil Khandelwal	14E1JCCSM40P076	App-Perfect
136	Rohit Mathur	14E1JCCSM40P134	Sopra Steria
137	Mayank Prasad	14E1JCCSM45P082	Skyway, Oasis Technosoft, Metric Stream
138	Nikhil Gupta	14E1JCCSM40P099	Mindtree
139	Mohit Kumawat	14E1JCCSM40P087	App-Perfect
140	Vinod Kumar	14E1JCCSM30P180	Accenture
141	Yash Vijay	14E1JCCSM40P191	Sopra Steria
142	Jatin Agarwal	14E1JCCSM40P069	Sofocle Technologies

Table B.4.5a.c: Placement Details 2017-18

4.6 Professional Activities (20)

4.6.1 Professional Societies/Chapters and Organizing Engineering Events (5)
(The Department Shall provide relevant information)

Table B.4.6.1a shows the Professional Societies of the Department of Computer Science &Engineering.Table B.4.6.1b, Table B.4.6.1c and Table B.4.6.1d shows the Engineering Events organised by the Department of Computer Science & Engineering along with the support of Professional Societies of the Department of Computer Science and Engineering.

The students & Faculty of the Computer Science & Engineering Department and other department are the active Participants.

S.No	Name Of the Society	Events Organized	Event Outcome
1	CSE-JMS	International Conference on Emerging Trends in Expert Applications & Security (ICETEAS'18)-Springer International Conference	This Conference helped our students to gain knowledge from many research Scholars. Also our students got opportunity to publish their research paper.
		International Congress Information and Communication Technology 2018,London	This conference gave opportunity to interact with many researches
		National Conference on Recent Trends in Computing and Communications'18 (RTCC'18)	This conference helped our students to gain knowledge from many research Scholars and also share their knowledge in different fields.
		National Level Events- (Techno Fest)	This event helped our students to improve leadership quality. Students of JECRC and other Colleges are the active participant of this contest

Table B.4.6.1a: Professional Societies of the Department of Computer Science & Engineering

Academic Year	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
CAYm1 (2017-2018)	FDP-Datamining & Business Intelligence	4-8 Sept 2017	NITTTR 2017	This event helped our faculty members to enhance knowledge about Data mining
	Big Data	22-23 Sept 2017	IIT Kharagpur	This event helped our students to enhance knowledge in the field of Big Data
	Kon Banega Steve Jobs	15-Sep 2017	Engineers Day Celebration	This helped our students to enhance more technical knowledge. This event supported by CSE-JMS
	Big Data	28-Oct-17	Mr. VimalDaga, Linux World	This event helped our students to enhance knowledge in the field of Big Data
	Improvement in Faculty API- National Seminar	23-Nov-17	Prof. (Dr.) P.K. Mishra	National Seminar for Faculty API helped our faculty members to improve API score
	SalesForce Technology	17 Feb, 23 March 2018	Mr.Rajesh	This helped our students to complete training in Salesforce Technology. Also Students got opportunity to learn about this technology
	Forsk Technology	1St Feb 2018-22 Mar 2018	Mr.Yogender	This event helped our students to complete Training in Forsk Technology. Also Students got opportunity to learn about this technology
	Redhat Technology	40 Hours Jan, Feb 2018	Mr. AlokShrivastav	This event helped our students to complete Training in Redhat Technology. Also Students got opportunity to learn about this technology
	Entrepreneurship Awarness Camp	29-31 Aug 2017	Startup Oisis, Jaipur	This event helped our students to enhance knowledge in Business Entrepreneur Development

Academic Year	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
CAY (2017-2018)	Entrepreneurship Awarness Camp	29-31 Aug 2017	Startup Oisis, Jaipur	This event helped our students to enhance knowledge in Business Entrepreneur Development
	Machine Learning	9th Feb 2018	Mr. VimalDaga, Linux World	This event helped our students to enhance knowledge in the field of Machine Learning also many projects were made
	MUN	7th& 8th April 2018	GeetikaGautam &ShikhaMaheshwari, Faculty Coordinators	This event helped our students to learn about diplomacy, international relations and the United Nations
CAYm1 (2016-2017)	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	31.08.2016	Dr. Sarbjeet Singh, Associate Professor, UIET, P.U., Chandigarh	It helped our students and faculty members to learn more about Social Networking Tools(Course beyond Syllabus)
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	31.08.2016	Mr. Amit Doegar, Asst. Professor, NITTTR, Chandigarh	This event helped our faculty members and students to enhance knowledge about Open Source Technologies Also it covers concepts of Virtualization
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29.08.2016	Sangeeta Gupta, Jr. System programmer, NITTTR,Chandigarh	It helped our students and faculty members to learn more about Introduction to PHP and Mysql (5 Sem DBMS)
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01.09.2016	Saurabh Kaushal, Technical Administrator, NITTTR, Chandigarh	It helped our students and faculty members to learn more about Open Source Security Tools (8 Sem ISS)
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01.09.2016	Mala Kalra, Asst. Professor, NITTTR, Chandigarh	It helped our students and faculty members to learn more about Mendeley Reference Tool(Course beyond Syllabus)

	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01.09.2016	Dr. Naveen Aggarwal, Associate Professor, UIET, P.U., Chandigarh	It helped our students and faculty members to learn R Language for Analytics(Course beyond Syllabus)
CAYm1 (2016-2017)	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	31.08.2016	Mr. Amit Doegar, Asst. Professor, NITTTR, Chandigarh	This event covers concepts of Virtualization
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29.08.2016 & 30.08.2016	Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy, Pvt. Ltd., Ambala	It helped our students and faculty members to learn more about Web Designing. Also it Covers front end and User interface designing tools
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29.08.2016 & 30.08.2016	Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy, Pvt. Ltd., Ambala	It helped our students and faculty members to learn more about Web Designing. Also it Covers front end and User interface designing tools
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	31.08.2016	Dr. Sarbjeet Singh, Associate Professor, UIET, P.U., Chandigarh	It helped our students and faculty members to learn about Social Networking Tools(Course beyond Syllabus)
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29.08.2016 to 02.09.2016	Dr. Naveen Aggarwal, Associate Professor, UIET, P.U., Chandigarh	It helped our students and faculty members to learn about Data Mining.It covers practical tool WEKA, used for datamining
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29.08.2016	Sangeeta Gupta, Jr. System programmer, NITTTR,Chandigarh	It helped our students and faculty members to learn about Introduction to PHP and Mysql

	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
CAYm1 (2016-2017)	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01.09.2016	Saurabh Kaushal, Technical Administrator, NITTTR, Chandigarh	It helped our students and faculty members to learn about Open Source Security Tool which is course beyound syllabus of 8 Sem Information Security System
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	01.09.2016	Mala Kalra, Asst. Professor, NITTTR, Chandigarh	It helped our students and faculty members to learn about Mendeley Reference Tool
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	1/9/2016	Dr. Naveen Aggarwal, Associate Professor, UIET, P.U., Chandigarh	It helped our students and faculty members to learn Language for Analytics(Course beyond Syllabus)
	International Workshop on Open Source Software, Drupal"	10/9/2016	Mr. Michael Canon Chief Operating Officer, Axelerant Technologies, Inc., Atlanta, US	Students understood Open Source Software, Drupal"
	International Workshop on Open Source Software, Drupal	10/9/2016	Mr. Nathan Roach (Japan), Content marketing associate, AxelerantTechnologies, Inc., Atlanta, US	Students understood Open Source Software, Drupal"
	Technical Session on Internet of Things	15/10/2016	Shri Kaushal Kumar, Technical Manager,e-Infochips, Ahmedabad – 380 006.	It helped our students to learn IoT
	Workshop on Big Data	29.08.2016	Mr. VimalDaga Linux World Pvt. Ltd. Jaipur	This event helped students to enhance knowledge in the field of Bigdata

Academic Year	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
CAYm1 (2016-2017)	TED^{X}	25th March 2017	AnshulMithal, Faculty Coordinator	This helped our student communities and individuals to Spark Conversation
	Microsoft Certification Summer training Program in .NET	29.08.2016	Sangeeta Gupta, Jr. System programmer, NITTTR,Chandigarh	It helped our students to learn about Web Designing which covers User interface design,styles and themes
CAYm2(2015-2016)	Microsoft Certification Summer training Program in Android	25-05-2015 to 24-07-2015	Mr. RanjanChhetri	It helps to Bridge the gap between academics & Industry
	Microsoft Certification Summer training Program in Core Java	25-05-2015 to 24-07-2015	Mr. Abhishek Singh Rathore	It includes basic java programming language
	Microsoft Certification Summer training Program in Advance Java	25-05-2015 to 24-07-2015	Mr. Aditya Kumar	It includes advanced java programming such as servlet and applet
	Microsoft Certification Summer training Program in Embedded & Robotics with AVR Controller	25-05-2015 to 30-05-2015	Mr. Ashish Rathore	This event helps to Bridge the gap between academics & Industry
	PHP &MySql Training Program	13-07-2015 to 25-07-2015	Mr. Amit Kumar, Faculty, Sigmatech Infotech , Jaipur	This event covers basic and Advanced SQL queries in addition to PHP
	Seminar on Networking	7/10/2015	Mr. Khawar Butt Senior Network Consultant, Synergy Network Ltd	6B.Tech1A.(Networking) It Covers advanced networking tools and techniques and its practical knowledge
	Workshop on Cloud Computing by NIITTR	12/10/2015 To 16-10-2015	Ms. Mala Kalra NIITR, Chandigarh	This event helped students to understand cloudSim concepts

Academic Year	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
CAYm2(2015-2016)	Workshop on Cloud Computing by NIITTR	12/10/2015 to 16-10-2015	Mr. Vipin Gupta , U-Net Solutions, Moga	This event helped students to learn Cloud Storage
	Workshop on Cloud Computing by NIITTR	12/10/2015 to 16-10-2015	Mr. Mayank Arora CCET , Chandigarh	This event helped students to learn Application development using cloud
	Workshop on Cloud Computing by NIITTR	12/10/2015 to 16-10-2015	Mr. Mani Madhurkar, IBM, Banglore	This event helped our students to learn IaaS and PaaS
	Pre Placement training Program by FACE	12/10/2015 to 14-10-2015	FACE	It helps to Bridge the gap between academics & Industry
	Workshop on Big Data & Hadoop	11/1/2016	Mr.RakeshJangid (Cloubia Technologies Pvt. Ltd.)	It helps to Bridge the gap between academics & Industry
	Seminar on Respberry-Pi	27-02-2016	Ms. Richa Mehta (Appin technologies Lab, Jaipur)	It helps to Bridge the gap between academics & Industry
CAYm3(2014-15)	TECHNOPAC	25-09-2014 to 27-09-2014	Mr. Uttam Kumar Faculty, Aptech Technology	This event helped our students to learnbasic networking concepts
	Pre-Placement training by Career Launcher	07-01-2015 To 13-01-2015	Mr. Naveen Jain, Faulty Career Launcher, Jaipur	This event helped our students to Bridge the gap between academics & Industry
	Workshop on Core JAVA	25-02-2015 to 04-03-2015	Mr. Kamal Bhatia Faculty, Matrix Computers	This event helped our students to learn basics of Java language

Academic Year	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
CAYm3(2014-15)	Workshop on Android IIT-D	02-02-2015 to 04-02-2015	Mr. UmangKejriwal Faculty, Times Globacom	This event helped our students to enhance knowledge about android
	Workshop on .NET MVC	06-02-2015 to 07-02-2015	Mr. BrijeshAwasthi Mr. Rajanchhetri, Faculty, Shreyanshi Consultancy pvt. Ltd.	This event helped our students to learn about .NET
	Workshop on Advance Java	02-04-2015 to 05-04-2015	Mr. Rahul Hada	This event helped our students to enhance knowledge about advancedjava programming such as servlet and applet

Table B.4.6.1b: Workshop /short term course/ Seminar Organized by CSE Department

Academic Year	Name of the Conference/ Event	National/ International Event	Duration
CAY (2017-2018)	Springer- International Conference on Emerging Trends in Expert Applications & Security'18 – (ICETEAS 2018)	International Conference	17-18 Feb 2018
	National Conference on Recent Trends on Computing and Communication'18 (RTCC 2018)	National Conference	25-28 Mar 2018
	International Congress Information and Communication Technology 2018(ICICT'18),London	International Conference	27& 28th Feb 2018
	Smart India Hackathon'18-Nodal Centre	National	30-31 March 2018
CAYm1 (2016-17)	Smart India Hackathon'17-Nodal Centre	National	1-2 April 2017

Table B.4.6.1c: Conference & SIH-Nodal Centre organized by the Department of Computer Science & Engineering and supported byCSE-JMS

S.No	Date	Event Name	Venue	Timing	Faculty Co-ordinator
1	8-Mar-17	Paper Presentation / Embryo	C501	11:00-2:00	Dr. Bhavna Sharma Ms.DeekshaMathur Ms. Priyanka Mitra
2	9-Mar-17	H/W Assembling	CP5	9:30-11:30	Mr. Mukesh Agarwal Mr. Prahalad Sharma Mr. Ankur Raj Mr. Shashikant Singh
3	10-Mar-17	Mobile App & Web Dev. (Subito)	CP3,CP4,CP5	9:30-4:30	Ms. Geetika Gautam Mr. Sachin Gupta Mr. GeetKalani
4	10-Mar-17	Enlightenment/ Meditation	Spiritual Cell	9:30-12:30	Mr.Ranjeet Pandey Ms.RichaUpadhyay Ms. KirtiChoudhary
5	11-Mar-17	Just C	IBM	9:30-11:30	Mr. Amit Mithal Ms. ShikhaMaheshwari Ms. Richa Sharma Mr. ShaileshArrawatia
6	11-Mar-17	B-Guru / B-Plan/ New Venture	C401	10:00-2:00	Mr. Vatan Mishra Ms.GeetikaGautam Ms.GeerijaLavaniya Ms. Sarita
7	11-Mar-18	JAVA Lets	IBM	12:00-2:00	Ms. HemlataSoni Mr. Abhishek Dixit Ms. Priya Gupta
8	26/3/18 Sunday	Enlightenment	Meditation Lab,	11:00 AM – 3:00 PM	RichaUpadhyay
9		Java Lets	CP-3, CP-4, IBM Lab (CSE & IT)	11:30 AM - 4:30 PM	HemlataSoni JebaNegaCheltha.C
10	26/3/18 Monday	Tech Probe	C-501 (CSE)	9:30 AM – 12:30 PM	RajanJha, Mohit Jain Saroj Agarwal
11		Hardware Assembling	Quadrangle A Block (CSE/IT)	9:30 AM – 3:30 PM	Ankur Raj Anoop Kumar Mehta
12	27/3/18 Tuesday	Just C	CP-1 to CP-8, IBM Lab (CSE & IT)	9:30 AM - 03:30 PM	Richa Sharma Arihant Jain
13	28/3/18 Wednesday	Subito	CP-1, CP-2, IBM Lab (CSE/IT)	9:30 AM – 4:30 PM	Sachin Gupta

Table B.4.6.1d: Various National Level Technical Event (Techno Fest) supported by CSE- JMS

Figure4.6.1a:NITTR Workshop

Figure 4.6.1b Big Data Workshop

Figure 4.6.1c Technical Session on IOT

Figure 4.6.1d: Faculty API- National Seminar

Figure4.6.1e :Smart India Hackathon

Figure 4.6.1f:International Conference on Emerging Trends in Expert Applications & Security'18 – (ICETEAS 2018)

4.6.2 Publication of Technical Magazines, newsletters, etc (5)

(The Department shall list the publications mentioned earlier along with the names of the editors, publishers, etc.)

Year/Month	Name of the Editors	Advisors	Name of the Technical Magazines/ Newsletter	Name of the Publisher
2016-17	Mr. RanjeetPandey, Mr. Vatan Mishra	Mr. MukeshAgarwal, Mr. Arihant Jain	CSE SCOOP (Yearly Publication)	Department of Computer Science & Engineering
2017-18	Ms.PriyankaMitra	Dr.Vijay Singh Rathore Dr.Bhavna Sharma	CSE SCOOP (Yearly Publication)	Department of Computer Science & Engineering
2017-18 JULY'17	Ms.Priyanka Mitra,	Dr.Vijay Singh Rathore Dr.Bhavna Sharma	CSE BYTES (Monthly Publication)	Department of Computer Science & Engineering
2018-19 JULY'18	Ms.Priyanka Mitra, Ms. Girija Lavania	Dr.Bhavna Sharma Ms. Manju Vyas	CSE BYTES (Monthly Publication)	Department of Computer Science & Engineering
2018-19 AUGUST'18	Ms.Priyanka Mitra, Ms. Girija Lavania	Dr.Bhavna Sharma Ms. Manju Vyas	CSE BYTES (Monthly Publication)	Department of Computer Science & Engineering

Table B.4.6.2: CSE Departmental Magazines/ Newsletter

Figure 4.6. CSE departmental Magazines/ Newsletter

4.6.3 Participation in inter-institute events by Students of the program of study (10)

(The Department shall provide a table indicating those publications, which received awards in the events/conferences organized by other institutes.)

CSE department students participated in various inter institutional competitions. Following Table B.4.6.3a indicates Consolidated inter Institute events participated by the students of CSE Department. Table B. 4.6.3b indicates CSE department student's participation in various National levels and inter institutional events.

Description	No.Of Students Participated		
	CAY (2017-18)	CAYm1(2016-17)	CAYm2(2015-16)
Within the State	142	76	44
Outside State	25	11	7
Prize/Awards Received	28	21	12

Table B.4.6.3a: Consolidated Students Participation in inter-institute events

Within the State **Programs Name and Assessment Year: CSE &2015-16**								
S.No.	**Name of the Student**	**Semester & Section**	**Name of the Festival**	**Name of the Event**	**Position / Participated**	**Date**		**Name & Place of the Institute organized**
						From	**To**	
1	Japleen Kaur	IV-A	Jaipur International Model United Nations'16	H.R.C	Participated	2016	2016	Manipal Univertisity, Jaipur
2	Kajal	IV-A	Annual Sports & Cultural Fest	LAKSHYA	Participated	16-Apr-15	18-Apr-15	Poornima University, Jaipur
3	Kajal	IV-A	Annual Sports & Cultural Fest	Volley ball	Participated	16-Apr-15	18-Apr-15	Poornima University, Jaipur
4	Akshay Patni	IV-A	Annual National Level Techno & Management Fest VERVE	Debate	First	26-Feb-16	26-Feb-16	JNIT, Jaipur
5	Akshay Patni	IV-A	Annual National Level Techno & Management Fest VERVE	Business Plan	Second	27-Feb-16	27-Feb-16	JNIT, Jaipur

6	Akshay Patni	IV-A	Pravah 2016	Vox Populi	Participated	29-Feb-16	5-Mar-16	SKIT, Jaipur
7	Abhishek Pandey	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Augmented Rality Workshop	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
8	Abhishek Pandey	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	API	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
9	Abhishek Pandey	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Webcraft	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
10	Deekshant Mamodia	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Obfuscator	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
11	Deekshant Mamodia	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Augmented Rality Workshop	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
12	Atul Dada	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	API	Second	25-Feb-16	28-Feb-16	IIT Jodhpur
13	Atul Dada	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Campus Ambassador	Ambassador	25-Feb-16	28-Feb-16	IIT Jodhpur
14	Atul Dada	IV-A	Internshala	Android App Development Internship	Internship	1-Dec-15	1-Dec-15	Intershala
15	Kanishka Goyal	IV-A	Jaipur International Model United Nations'16	H.R.C	Participated	2016	2016	Manipal Univertisity, Jaipur
16	Dilip Kumar	IV-A	ABHIVARTA'16'	Cricket	Participated	12-Feb-16	14-Feb-16	Manipal Univertisity, Jaipur

17	Dilip Kumar	IV-A	VARCHAS'15	Cricket	Third	2015	2015	Chiranjoy Chattopadhyay
18	Ankit Dixit	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Business Plan Workshop	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
19	Harshat	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Business Plan Workshop	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
20	Divaker Soni	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Augmented Reality Workshop	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
21	Abhishek Pandey	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Augmented Reality Workshop	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
22	Ayush Garg	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Business Plan Workshop	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
23	Garvit Mittal	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Robosoccer	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
24	Garvit Mittal	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Line Reguider	First	25-Feb-16	28-Feb-16	IIT Jodhpur
25	Garvit Mittal	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Light Following Boy	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
26	Garvit Mittal	IV-A	Annual Socio-Techno- Cultural Festival, IGNUS'16	Obfuscator	Participated	25-Feb-16	28-Feb-16	IIT Jodhpur
27	Garvit Mittal	IV-A	DAKSH'14	Robo Race	Participated	13-Nov-14	14-Nov-14	Sri Balaji College of Engg. & Technology
28	Garvit Mittal	IV-A	JIGYASA'15	Line Follower	First	2015	2015	GTC, Jaipur

29	Shivansh Ahuja	VI C	PLINTH 2016	Ambasssadar		22-Jan-16	24-Jan-16	LNM IIT, Jaiput
30	Shivansh Ahuja	VI C	Rheerica'15	MUN-Delegate of Singapur	Best Delegate	12-Sep-15	13-Sep-15	Mody University
31	Shivansh Ahuja	VI C	Jaipur Technical Festival	Robotics Coordinator	Participated	15-Feb-14	17-Feb-14	ISLE, ISHRE & CLUB FIRST
32	Shivansh Ahuja	VI C	GTC MUN	UNHRC	Participated	12-Mar-15	13-Mar-15	GTCMUN
33	Shivansh Ahuja	VI C	IPU MUN'16	GERMANY	Participated	16-Jan-16	17-Jan-16	Indraprasad University Model United Nations
34	Shivansh Ahuja	VI C	Biochrome	Extempore	Second	15-Oct-15	17-Oct-15	Dr.B.Lal Institute of Technolog
35	Shivansh Ahuja	VI C	Cosmos'2015	Extempore	Participated	8-Oct-15	8-Oct-15	The IIS University
36	Ashish Poonia	IV-A	Ignus	Line Seguidor	Certificate	19-Feb-13	22-Feb-15	IIT, Jodhpur
37	Ashish Poonia	IV-A	Ignus	Obfuscator	Certificate	19-Feb-13	22-Feb-15	IIT, Jodhpur
38	Ashish Poonia	IV-A	Pravah 2015	Line Follower	Certificate	2015	7-Jul-05	SKIT, Jaipur
39	Ashish Poonia	IV-A	Ignus	Robosoccer	Certificate	25-Feb-16	25-Feb-16	IIT, Jodhpur
40	Ashish Poonia	IV-A	Ignus	Obfuscator	Certificate	25-Feb-16	25-Feb-16	IIT, Jodhpur
41	Ashish Poonia	IV-A	Ignus	Robowar	Certificate	25-Feb-16	25-Feb-16	IIT, Jodhpur

42	Ashish Poonia	IV-A	Ignus	Light Following Boy	Certificate	25-Feb-16	25-Feb-16	IIT, Jodhpur
43	Ankush Kumar	IV-A	Football CM	Football	Certificate	25-Dec-15	29-Dec-15	University of Rajasthan
44	Vishwaved Nagar	IV-C	DESPORTIVO' 15	Table Tennis	Certificate	24-Jan-15	24-Jan-15	LNMIT

Outside State

Programs Name and Assessment Year: CSE &2015-16

S. No.	Name of the Student	Semester & Section	Name of the Festival	Name of the Event	Position / Participated	Date		Name & Place of the Institute organized
						From	To	
1	Atul Dada	IV-A	Tech Fest 2015-2016	TechnoVoltz	Third	2016	2016	IIT Bombay
2	Atul Dada	IV-A	Techniche- The Annual Techno-Management Festival	Escalade Jaipur Prelims	Second	3-Sep-15	6-Sep-15	IIT Guwahati
3	Garvit Mittal	IV-A	Techniche- The Annual Techno-Management Festival	Escalade Jaipur Prelims	Second	3-Sep-15	6-Sep-15	IIT Guwahati
4	Garvit Mittal	IV-A	Techniche- The Annual Techno-Management Festival	Escalade - Mains	Participated	3-Sep-15	6-Sep-15	IIT Guwahati
5	Ashish Poonia	IV-A	Techniche- The Annual Techno-Management Festival	ROBOCALYPSE'15	Certificate	3-Sep-15	6-Sep-15	IIT, Guwahati
6	Ashish Poonia	IV-A	Techniche- The Annual Techno-Management Festival	Escalade-Mains	Certificate	3-Sep-15	6-Sep-15	IIT, Guwahati

7	Ashish Poonia	IV-A	Techniche- The Annual Techno-Management Festival	Escala de-Jaipiur Prelim s	Certific ate	3-Sep-15	6-Sep-15	IIT, Guwahati

Within the State **Programs Name and Assessment Year: CSE &2016-17**								
S.No.	**Name of the Student**	**Semester & Section**	**Name of the Festival**	**Name of the Event**	**Position / Participated**	**Date**		**Name & Place of the Institute organized**
						From	**To**	
1	Mehak	IV B	Pravah2017	Vox Populi	Certific ate	15-Feb-17	18-Feb-17	SKIT, Jaipur
2	Mehak Tangnoo	IV B	BLITZSCHLAG 2017	Poster-Presentation	Certific ate	24-Feb-17	26-Feb-17	MNIT, Jaipur
3	Nischay Krishan	IV B	BLITZSCHLAG 2017	Poster-Presentation	Certific ate	24-Feb-17	26-Feb-17	MNIT, Jaipur
4	Aditya Agarwal	III A	EDUMUND'S mun 2016	USG Design	Design ated	12-Nov-16	13-Nov-16	Jaipur
5	Aditya Agarwal	III A	Inter College Tournament	Badmin ton Tourna ment	Certific ate	18-Nov-16	19-Nov-16	Mahveer College of Commerce, Jaipur
6	Bhavya Agarwal	III A	Venturesity	Mobilit y Hack Camp	Certific ate	22-Aug-16	26-Aug-16	Jaipur
7	Ayush Khandelwal	III A	MNIT MUN 2016	6A DISEC	Repres entativ e	10-Apr-16	10-Apr-16	MNIT, Jaipur
8	Ayush Khandelwal	III A	IBM Hackcamp	Career Challen ge	Certific ate	13-Aug-16	13-Aug-16	IBM, India
9	Ashit Mundra	III A	Venturesity	Mobilit y Hack Camp	Certific ate	22-Aug-16	26-Aug-16	Jaipur

10	Ashish Jain	III A	IBM Hackcamp	Career Challenge	Certificate	13-Aug-16	13-Aug-16	IBM, India
11	Apoorva Agarwal	III A	Venturesity	Mobility Hack Camp	Certificate	22-Aug-16	26-Aug-16	Jaipur
13	Abhishek Gupta	III A	Patrika.com	Global Village	Certificate	6-Aug-16	6-Aug-16	Diggi Palace, Jaipur
14	Archit Gupta	III A	Expressive	Music Talent Hunt	Mega Winner	2016	2016	Jaipur
15	Apoorva Agarwal	III A	TCS Codevita	Team Technofreak	Certificate	29-Jul-16	30-Jul-16	TCS
16	Aparna Tripati	III A	GTC MUN	Delegate	Certificate	14-Oct-16	15-Oct-16	GTC
17	Divang Bhargava	III A	Alphonic Network Solution	SMO	A Grade	15-Sep-16	30-Sep-16	SMO Technologies
18	Diwanshu	III A	PAC Club	android App Development	Certificate	5-Oct-16	5-Oct-16	PAC Club
19	Deeksha Bhargava	III A	STAMP 2016	Student Ambassador	Certificate	23-Oct-16	23-Oct-16	Rentula Inc
20	Abhishek Bagherwal	III A	SAP	SAP Application Development	93% Marks Obtained	5-Oct-16	3-Dec-16	Walldorf
21	Abhishek Bagherwal	III A	SAP	Imagine IoT	81% Marks Obtained	28-Sep-16	17-Nov-16	Walldorf
22	Abhishek Bagherwal	III A	SAP	Bigdata	81% Marks Obtained	6-Sep-16	5-Oct-16	Walldorf

23	Abhishek Bagherwal	III A	SAP	Basics of Design Research	57% Marks Obtained	7-Sep-16	14-Oct-16	Walldorf
24	Yash Kedawat	V- C	TCO 16 India Regional Event	TCO 16	Certificate	30-Jul-16	30-Jul-16	Jaipur
25	Yash Shah	V- C	TCO 16 India Regional Event	TCO 16	Certificate	30-Jul-16	30-Jul-16	Jaipur
26	Siddharth Gupta	V- C	Web Technologies	Web Technologies	Completed	1-Aug-16	15-Oct-16	Image IT Solution PVT ltd, Jaipur
27	Shivansh Sharma	V- C	Web Technologies	Web Technologies	Completed	1-Aug-16	15-Oct-16	Image IT Solution PVT ltd, Jaipur
28	Udit Koolwal	V- C	JNU	LAN Gaming	2nd Position	29-Sep-16	1-Oct-16	JNU, Jaipur
29	Utkarsh Mundra	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
30	Vartika Goyal	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
31	Vinita Bulchandani	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
32	Vinod kumar	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
33	Tanya Raj	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
34	Suhani Sharma	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
35	Srishti Jain	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
36	Tejasv Kulshrestha	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India

37	Vaishali Agarwal	V- C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
38	Divyang Bhargava	V A	Alpohonic Network Solutions	Social Media Optimization	A Grade	16-3-17	16-4-17	Jaipur
39	Deekha Bhargava	V A	ZEE Jaipur Literature Festival 17	Registration Department	Volunteer	2017	2017	Jaipur
40	Aditya Agarwal	V A	ZEE Jaipur Literature Festival 17	Author Liaison	Volunteer	2017	2017	Jaipur
41	Abhishek Gupta	V A	ZEE Jaipur Literature Festival 17	On-Ground Digital Department	Volunteer	2017	2017	Jaipur
42	Aakash Mourya	V A	BLITZSCHLAG 2017	Tamasha	Certificate	24-Feb-17	26-Feb-17	MNIT Jaipur
43	Saurabh Agarwal	III-C	IBM Hackcamp	#IBMinclude<geek.tech>	Certificate	13-Aug-16	13-Aug-16	IBM, India
44	Chhavi Jain	III-C	Talk To a Teacher	C and Cpp	Certificate	2016	2016	Jayothi Vidyapeeth Women's Universit
45	Chhavi Jain	III-C	Spoken Tutorial Project	C Test	Certificate	2016	2016	Jayothi Vidyapeeth Women's University
46	Surbhi Sneha	III-C	Spoken Tutorial Project	C Test	Certificate	2016	2016	Jayothi Vidyapeeth Women's University
47	Surbhi Sneha	III-C	Talk To a Teacher	C and Cpp	Certificate	2016	2016	Jayothi Vidyapeeth Women's University
48	Ram Nath Sharma	III-C	National Science Day-2016	Working Model	Certificate	2016	2016	S.S. Jain Subodh P.G.College

49	Ram Nath Sharma	III-C	Green Revolution	International Center for Culture & Education	A Score	2016	2016	ICCE
50	Sonali Vyas	IV C	Web Technologies	HTML, CSS	Completed	1-Mar-16	30-Mar-16	Image IT Solution Pvt Ltd, Jaipur
51	Sonali Vyas	III-C	Programming in C++	Programming in C++	Completed	1-Aug-16	30-Sep-16	Image IT Solution Pvt Ltd, Jaipur
52	Ronak Pansari	IV C	Web Technologies	HTML, CSS	Completed	1-Mar-16	30-Mar-16	Image IT Solution Pvt Ltd, Jaipur
53	Ronak Pansari	III-C	Programming in C++	Programming in C++	Completed	1-Aug-16	30-Sep-16	Image IT Solution Pvt Ltd, Jaipur
54	Sonu Gupta	III-C	Programming in C++	Programming in C++	Completed	1-Aug-16	30-Sep-16	Image IT Solution Pvt Ltd, Jaipur
55	Sonu Gupta	III-C	National Science Day-2016	Working Model	Second	2016	2016	S.S. Jain Subodh P.G.College
56	Sonu Gupta	IV C	Programming in C	Programming in C	Completed	1-Mar-16	30-Apr-16	Image IT Solution Pvt Ltd, Jaipur
57	Sonu Gupta	III-C	Green Revolution	International Center for Culture & Education	A Score	2016	2016	ICCE
58	Hemant Khandelwal	III-C	GTC MUN	Denmark	Delgate	14-Oct-16	15-Oct-16	GTC
59	Sakshi Gupta	III-C	Jump Heights	Dared toJump	Certificate	4-Nov-16	4-Nov-16	Jaipur

60	Shubham Jindal	III-C	Web Development	Web Development	Certificate	25-Sep-16	25-Sep-16	Web Tech Ltd
61	Shubham Jindal	III-C	Super Slam dunks	Super Slam dunks	Certificate	25-Jul-16	25-Jul-16	Jaipur Club
62	Soniya Raina	III-C	Green Revolution	International Center for Culture & Education	A Score	2016	2016	ICCE
63	Shubham Ameta	III-C	Programming in C, C++ and Web Technologies (HTML, CSS)	Programming in C, C++ and Web Technologies (HTML, CSS)	Completed	1-Aug-16	20-Nov-16	Image IT Solution Pvt Ltd, Jaipur
64	Shivani Gupta	III-C	National Science Day-2016	Working Model	First	2016	2016	S.S. Jain Subodh P.G.College
65	Rohan Singhal	III-C	National Science Day-2016	Working Model	First	2016	2016	S.S. Jain Subodh P.G.College
66	Shivani Gupta	IV C	Nigeria	GA-DISEC	Certificate	9-Apr-16	10-Apr-16	MNIT, Jaipur
67	Abhishek Gupta	III-A	Patrika.com	Village Jaipur	Certificate	6-Aug-16	6-Aug-16	Diggi Palace
68	Abhishek Gupta	IV A	ZEE Jaipur Literature Festival 17	On Ground Digital Department	Volunteer	2017	2017	Jaipur
69	Prabhakar Dubey	V B	Matrix Computers	Python	Certificate	17-May-17	14-Jun-17	Mansarovar, Jaipur
70	Chinmey Bisen	V A	RTU Inter-College Tournament	Football	Winner	10-Sep-16	12-Sep-16	Arya College of Engineering &Technolog

71	Vishvaved Nagar	V C	RTU Inter-College Tournament	Football	Winner	10-Sep-16	12-Sep-16	Arya College of Engineering & Technology
72	Ankush Kumar	VI C	RTU Inter-College Tournament	Football	Winner	10-Sep-16	12-Sep-16	Arya College of Engineering & Technology
73	Divyansh Raina	IV A	RTU Inter-College Tournament	Football	Winner	10-Sep-16	12-Sep-16	Arya College of Engineering & Technology
74	Vishwaved Nagar	V C	LAN Gaming	Counter Strike	Second	29-Sep-16	1-Oct-16	JNU
75	Vaishali Agarwal	IV C	2016 FINISHER	AU Jaipur Marathon	Completed	14-Feb-16	14-Feb-16	Jaipur
76	Vishwave Nagar	V C	LAN Gaming	Count Strikeer	Second	29-Sep-16	1-Oct-16	JNU

Outside State **Programs Name and Assessment Year: CSE &2016-17**								
S. No.	**Name of the Student**	**Semester & Section**	**Name of the Festival**	**Name of the Event**	**Position / Participated**	**Date**		**Name & Place of the Institute organized**
						From	**To**	
1	Naveen Jangid	IV B	TechKriti	Android App Development	Certificate	23-Mar-17	26-Mar-17	IIT Kanpur
2	Pradeep Suthar	IV B	TechKriti	Android App Development	Certificate	23-Mar-17	26-Mar-17	IIT Kanpur
3	Piyush Palod	IV B	TechKriti	Android App Development	Certificate	23-Mar-17	26-Mar-17	IIT Kanpur
4	Piyush Joshi	IV B	TechKriti	Android App Development	Certificate	23-Mar-17	26-Mar-17	IIT Kanpur
5	Aditya Agarwal	III A	Antaragni	Nukkad Natak	Certificate	20-Oct-16	23-Oct-16	IIT Kanpur
6	Aditya Agarwal	III A	Abhivyakti	Garba -Rass & Dandia	Certificate	3-Sep-16	28-Sep-16	Ahmedabad
7	Akash Maurya	III A	Antaragni	Nukkad Natak	Certificate	20-Oct-16	23-Oct-16	IIT Kanpur
8	Akshita Joshi	III A	Antaragni	Nukkad Natak	Certificate	20-Oct-16	23-Oct-16	IIT Kanpur
9	Deeksha Bhargava	V A	Tryst-2017	Android Development	Certificate	24-Feb-17	27-Feb-17	IIT-Delhi
10	Mayank Prasad	VI B	Vocational Training	Accident Database Management System for Sail	Certificate	15-May-17	15-Jun-17	Steel Authority of India ltd, Ranchi
11	Ankush Kumar	VI- A	Football CM	Football	Certificate	4-Jan-17	12-Jan-17	Ttullaha Univ, Bhopal

Within the State **Programs Name and Assessment Year: CSE &2017-18**								
S.No.	**Name of the Student**	**Semester & Section**	**Name of the Festival**	**Name of the Event**	**Position / Participated**	**Date**		**Name & Place of the Institute organized**
						From	**To**	
1	Naveen Jangid	V B	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
2	Pradeep Suthar	V B	OOPS Through Core JAVA	Matrix Computers	Certificate	21-Jun-17	20-Sep-17	Jaipur
3	Lakshay Khandelwal	V B	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
4	Mahima Aggarwal	V B	Salesforce Administration	Bodacious IT Hub Pvt.Ltd	89% Marks Obtained	7-Jun-17	22-Jul-17	Jaipur
5	Harshita Gulwani	V B	Cloud Computing-Salesforce Cloud	Appin Technology Lab	Certificate	26-Aug-17	26-Aug-17	Jaipur
6	Kunal Sarna	V B	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-12-17	Udaipur
7	Kunal Sarna	V B	Rajasthan Digifest 2017	Rajasthan IT Hackathon-2017	Certificate	17-Aug-17	18-Aug-17	Kota
8	Manan Gupta	V B	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
9	Mehak Tangnoo	V B	Content writing Internship	Internshala	Certificate	28-Apr-17	28-Apr-17	Instanode

10	Mohit Sharma	V B	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
11	Akash Lakhera	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown 2017
12	Aditya Vyas	III A	Oasis 2017	Cultural Fest	Certificate	31-Oct-17	4-Nov-17	BITS, Pilani
13	Divyansh Saxena	III A	Symetree	Internship	Certificate	21-Mar-17	30-Nov-17	Symetree
14	Divyansh Sharma	III A	Oasis 2017	Cultural Fest	Certificate	31-Oct-17	4-Nov-17	BITS, Pilani
15	Gaurav Sahu	III A	DigitalOcean	Hacktoberfest Challenge	Certificate	27-Nov-17	27-Nov-17	DigitalOcean
16	Avi Bhootna	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
17	Akshita Vijay	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
18	Abhilash Tiwari	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
19	Abhinav Soni	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
20	Abhishek Garg	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
21	Abhishek Khandelwal	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
22	Amit Moolwani	III A	Matrix Computers	OOPS Through C++	Certificate	8-Aug-17	10/7/2017	Jaipur
23	Ankit Raj	III A	Jaipuria Quiz League 2017	Regional Finale of Jaipuria Quiz	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur

24	Ankit Raj	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
25	Anega Maheshwari	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
26	Abhishek Mohta	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
27	Aditya Kaushik	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
28	Abhishek Sharma	III A	SnackDown 2017	CodeChef	Certificate	2017	2017	SnackDown
29	Abhishek Sharma	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
30	Darshit Gupta	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	14-Nov-17	14-Nov-17	Jaipuria Institute of Management, Jaipur
31	Himanshu Dhamani	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	14-Nov-17	14-Nov-17	Jaipuria Institute of Management, Jaipur
32	Darshit Gupta	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	First Position	14-Nov-17	14-Nov-17	Jaipuria Institute of Management, Jaipur
33	Darshit Gupta	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
34	Antima Garg	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
35	Abhishek Khandelwal	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur

36	Abhishek Garg	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
37	Abhinav Soni	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
38	Amit Moolwani	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
39	Arogya Garg	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
40	Abhilash Kumar	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
41	Aman Srivastav	III A	Social Weapons of Jaipur	Internship	Certificate	2-Aug-17	9-Aug-17	Rajasthan
42	Akshay Sharma	III A	Oasis 2017	Cultural Fest	Certificate	31-Oct-17	4-Nov-17	BITS, Pilani
43	Anega Maheshwari	III A	SOLOLEARN	C++ Tutorial Course	Certificate	21-Oct-17	21-Oct-17	
44	Aditya Kaushik	III A	Inmhacks2.0	Inmhacks2.0	Certificate	11-Nov-17	12-Nov-17	LNMIT ,Jaipur
45	Abhishek Mohta	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
46	Chirayu Jain	III A	DigitalOcean	Hacktoberfest Challenge	Certificate	27-Nov-17	27-Nov-17	Hacktoberfest Challenge
47	Deepesh Shah	III A	DigitalOcean	Hacktoberfest Challenge	Certificate	27-Nov-17	27-Nov-17	Hacktoberfest Challenge

48	Abhishek Mohta	III A	Oasis 2017	Cultural Fest	Certificate	31-Oct-17	4-Nov-17	BITS, Pilani
49	Utsav Khandelwal	VI C	Rajasthan Hackathon	Rajasthan IT Day	Certificate	19-Mar-18	21-Mar-18	Jaipur
50	Rishabh Singhal	VI C	Rajasthan Hackathon	Rajasthan IT Day	Certificate	19-Mar-18	21-Mar-18	Jaipur
51	Shreyansh Khandelwal	VI C	Rajasthan Hackathon	Rajasthan IT Day	Certificate	19-Mar-18	21-Mar-18	Jaipur
52	Saurav Agarwal	VI C	Rajasthan Hackathon	Rajasthan IT Day	Certificate	19-Mar-18	21-Mar-18	Jaipur
53	Shubham Dudeja	VI C	Rajasthan Digifest	Rajasthan IT Hackatho	Certificate	2-Dec-17	3-Dec-17	Udaipur
54	Shubham Jindal	VI C	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
55	Shubham Singh Kalyanwat	VI C	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
56	Shubham	VI C	Rajasthan Digifest	Rajasthan IT Hackathon	Winner	2-Dec-17	3-Dec-17	Udaipur
57	Ram Nath Sharma	VI C	Goeduhub Technologies	Bigdata Hadoop	Certificate	25-Mar-18	25-Mar-18	Jaipur
58	Rishabh Singhal	VI C	Codeground.in	Code Byte 40	Certificate	16-Dec-17	16-Dec-17	
59	Sakshi Gupta	VI C	BLITZSCHLAG 2018	Flim & Photography Club	First Position	2-Feb-18	4-Feb-18	MNIT Jaipur
60	Vaibhav Jangir	VI C	Matrix Computers	OOPS Through Core JAVA	Certificate	18-Aug-17	17-Nov-17	Jaipur

61	Rohit Soni	VI C	Road Ahead Technologies	Oracle SQL Expert	A Grade	15-Oct-17	30-Oct-17	Jaipur
62	Hement Khanelwal	VI C	GTC MUN	Special Mention	Certificate	24-Feb-18	25-Feb-18	GIT , Jaipur
63	Shubham Sahu	III C	Plinth 2017	Roborace	Certificate	2017	2017	LNMIT ,Jaipur
64	Sarvesh Jhanwar	III C	Redhat	Redhat Certified Engineer	Completed	13-Nov-17	13-Nov-17	REDHAT
65	Sarvesh Jhanwar	III C	Redhat	Redhat Certified System Administrator	Completed	13-Nov-17	13-Nov-17	REDHAT
66	Soumil Khandelwal	III C	Rajasthan Hackathon 3.0	Rajasthan Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
67	Vaishnavi Ajmera	III C	Thinkmerit	Thinkmerit	Internship	1-Feb-17	0-Aug-17	Thinkmerit
68	Vinayak Mathur	III C	Redhat	Redhat Certified System Administrator	Completed	13-Nov-17	13-Nov-17	REDHAT
69	Vinayak Mathur	III C	Redhat	Redhat Certified Engineer	Completed	13-Nov-17	13-Nov-17	REDHAT
70	Jatin	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
71	Sejal Jain	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
72	Menal Jain	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management,
73	Mansha Paliwal	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur

74	Pallavi Agarwal	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
75	Lakshaya Khandelwal	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
76	Priyanka Maheshwari	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
77	Payal Devnani	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
78	Khushbu Singhal	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
79	Mahima Aggarwal	VI B	Salesforce Administration	Salesforce	Completed	27-Dec-17		Salesforce
80	Mayank Gupta	VI B	LinuxWorld Informatics Pvt Ltd	Linuxworld	Completed	23-Dec-17	23-Jan-18	Jaipur
81	Mayank Gupta	VI B	Redhat	Redhat Certified System Administrator	Completed	23-Dec-17	23-Jan-18	REDHAT
82	Priyank Makwana	VI B	Rajasthan Hackathon 4.0	Rajasthan Hackathon	Certificate	19-Mar-18	21-Mar-18	Jaipur
83	Mohit Sharma	VI B	Rajasthan Digifest	Rajasthan IT Hackathon	Certificate	2-Dec-17	3-Dec-17	Udaipur
84	Kanhaiya Kumar	VI B	Rajasthan Hackathon 4.0	Rajasthan Hackathon	Certificate	19-Mar-18	21-Mar-18	Jaipur
85	Sakshi Gupta	VIII B	REDINNO	Global Outreach Education Conference and Awards	Anchor	27-Mar-18	27-Mar-18	Jaipur

				2018				
86	Sakshi Gupta	VIII B	YOUTH PEAC	Talk for Peace	Certificate	13-Feb-18	13-Feb-18	Delhi
87	Sakshi Gupta	VIII B	Pravah 2017	Vox Populi	Certificate	15-Feb-18	18-Feb-18	SKIT, Jaipur
88	Rohan Jandu	VIII B	Rajasthan Hackathon 4.0	Rajasthan Hackathon	Certificate	19-Mar-18	21-Mar-18	Jaipur
89	Priyanshu Gupta	VIII B	Rajasthan Hackathon 4.0	Rajasthan Hackathon	Certificate	19-Mar-18	21-Mar-18	Jaipur
90	Aparna Tripathi	VI A	ZEE Jaipur Literature Festival 18	Registration Department	Volunteer	2018	2018	Jaipur
91	Arshin Mahajan	VI A	Sabrang 2018	Paridhan	Winner	22-Feb-18	23-Feb-18	JK Lakshmipat University
92	Arshin Mahajan	VI A	BLITZSCHLAG	Panache	First Position	2-Feb-18	4-Feb-18	MNIT, Jaipur
93	Diwanshu Soni	V A	Rajasthan Digifest	Rajasthan IT Hackathon	Participated	2-Dec-17	3-Dec-17	Udaipur
94	Apoorva Agarwal	V A	Rajasthan Digifest	Rajasthan IT Hackathon	Participated	2-Dec-17	3-Dec-17	Udaipur
95	Bhavya Agarwal	V A	Rajasthan Digifest	Rajasthan IT Hackathon	Participated	2-Dec-17	3-Dec-17	Udaipur
96	Gagan Goyal	V A	Rajasthan Digifest	Rajasthan IT Hackathon	Participated	2-Dec-17	3-Dec-17	Udaipur
97	Ashwinee Jain	V A	Rajasthan Digifest	Rajasthan IT Hackathon	Participated	2-Dec-17	3-Dec-17	Udaipur
98	Gaurav Saxena	V A	Rajasthan Digifest	Rajasthan IT Hackathon	Participated	2-Dec-17	3-Dec-17	Udaipur
99	Ayush Khandelwal	V A	Rajasthan Digifest	Rajasthan IT Hackathon	Participated	2-Dec-17	3-Dec-17	Udaipur

100	Aniket Dixit	VI A	ABHIVARTA'18	CRICKET	Participated	2018	2018	Manipal University, Jaipur
101	Aniket Dixit	V A	BITS Open Sport	Cricket	Participated	21-Sep-17	25-Sep-17	BITS, Pilani
102	Divansh Raina	VI A	AAVEG'18	Football	Runner-Up	19-Sep-18	21-Sep-18	SKIT, Jaipur
103	Ritika Safaya	VIII B	Web Mitra	OCA, OCP	Certificate	15-May-17	15-Jul-17	Jaipur
104	Rahul Shambhwani	VIII B	Appiro India Cloud Solutions Pvt ltd	Internship	Certificate	22-May-17	10-Jul-17	Jaipur
105	Shailendra Singh Chouhan	VIII B	Linux World Informatics Pvt Ltd	Automats Deployment of Cloud Computing &Virtulization	Certificate	17-May-17	15-Jul-17	Jaipur
106	Shailendra Singh Chouhan	VIII B	Redhat	System Administrator	Certified	17-May-17	15-Jul-17	Jaipur
107	Mayank Prasad	VIII B	Microsoft Technology Associate	Software Development Fundamentals	Certificate	24-Aug-17	24-Aug-17	Microsoft Technology Associate
108	Mohit Earan	VIII B	Training in Advance Java	CodeOrange	Certificate	16-May-17	15-Jul-17	Aryan InfoMatrix Pvt Ltd
109	Neetesh Vashishtha	VIII B	Training in Advance Java	CodeOrange	Certificate	16-May-17	15-Jul-17	Aryan InfoMatrix Pvt Ltd
110	Neha Piproniyan	VIII B	AdhocNetworks	Orchestration	Certificate	22-May-17	5-Jul-17	Redhat
111	Abhishek Gupta	VI A	ZEE Jaipur Literature Festival 18	On Ground Digital Department	Volunteer	2018	2018	Jaipur

112	Mohit Maheshwari	VIII B	Hawkscode	Android Application Development	Certificate	15-May-17	15-Jul-17	Jaipur
113	Netra Singhal	VIII B	AdhocNetworks	Orchestration	Certificate	22-May-17	5-Jul-17	Redhat
114	Rohit Jaiswal	VIII B	AdhocNetworks	Orchestration	Certificate	22-May-17	5-Jul-17	Redhat
115	Rishika Agarwal	VIII B	Web Mitra	OCA, OCP	Certificate	15-May-17	15-Jul-17	Jaipur
116	Rahul Jaswani	VIII B	Appiro India Cloud Solutions Pvt ltd	Internship	Certificate	22-May-17	10-Jul-17	Jaipur
117	Rakesh Sewda	VIII B	Hawkscode	Advance Java	Certificate	17-May-17	15-Jul-17	Jaipur
118	Pallavi Varshney	VIII B	Web Mitra	OCA, OCP	Certificate	15-May-17	15-Jul-17	Jaipur
119	Meetanshi Rawat	VIII B	Bodacious IT Hub Pvt Ltd	Salesforce Developer	Certificate	5-Jun-17	10-Oct-17	Jaipur
120	Manjari Singh	VIII B	Back Office IT Solutions Pvt Ltd	IT Department Training	Certificate	31-Jan-18	1-May-18	Back Office IT ltd
121	Prabhakar Garg	VIII B	Training in core Java	Hospital Management System	Certificate	15-May-17	15-Jul-17	Aryan InfoMatrix Pvt Ltd
122	Sarvesh Kumar	VIII B	Deployment Of Super Computer	Python WebUI	Certificate	22-May-17	5-Jul-17	Adhocnetworks
123	Sandeep Gausi	VIII B	C-DAC Tech-Sangam Program	Shopping Cart	Certificate	16-May-17	21-Jul-17	C-DAC ATC NETCOM, Jaipur

124	Rohit Kumar Gupta	VIII B	AdhocNetworks	Deployment of Super Computers of Super Computers	Certificate	22-May-17	5-Jul-17	Redhat
125	Rakshanda Kaul	VIII B	E-Commerce Site	PHP Technology	Certificate	24-May-17	6-Jul-17	SO InfoTech Ltd
126	Shubham Gupta	VIII B	AdhocNetworks	Deployment of Super Computers of Super Computers	Certificate	22-May-17	5-Jul-17	Redhat
127	Samarth Tholia	VIII B	Appiro India Cloud Solutions Pvt ltd	Internship	Certificate	23-Jun-17	8-Aug-17	Jaipur
128	Samarth Tholia	VIII B	Hospital at Your door	Java	Internship	17-May-17	17-Jul-17	Compucom Software Ltd
129	Shivani Soni	VIII B	MCD-API Design Associate	Developer	Certificate	10-Jul-17	10-Jul-17	Mulesoft Certified Developer
130	Shivani Soni	VIII B	Celebal	Mulesoft	Internship	17-May-17	17-Jul-17	Jaipur
131	Chinmey Bisen	VII A	RTU Inter-College Tournament	Football	Winner	9-Oct-17	11-Oct-17	Arya College of Engineering & Technology
132	Vishvaved Nagar	VII A	RTU Inter-College Tournament	Football	Winner	9-Oct-17	11-Oct-17	Arya College of Engineering & Technology
133	Ankush Kumar	VII A	RTU Inter-College Tournament	Football	Winner	9-Oct-17	11-Oct-17	Arya College of Engineering & Technology

134	Divyansh Raina	V A	RTU Inter-College Tournament	Football	Winner	9-Oct-17	11-Oct-17	Arya College of Engineering & Technology
135	Taru Bansal	V C	RTU Inter-College Tournament	Football	Winner	9-Oct-17	11-Oct-17	Arya College of Engineering & Technology
136	Aman Pareek	III A	RTU Inter-College Tournament	Football	Winner	9-Oct-17	11-Oct-17	Arya College of Engineering & Technology
137	Rajesh Soni	V B	Rajasthan HAckathon 5.0	Rajasthan HAckathon 5.0	Participated	26-Jul-18	26-Jul-18	Bikaner
138	Tarun Chahar	III C	GIT Mun'18	High Commendation	GTC MUN	24-Feb-18	25-Feb-18	GIT
139	Tarun Chahar	III C	Poornima Mun'18	Lok Sabha	Lower House of Parliament	25-Mar-18	25-Mar-18	Poornima MUN
140	Diksha Agarwal	III A	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
141	Akshita Vijay	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur
142	Akshay Sharma	III B	Jaipuria Quiz League 2017	Jaipuria Quiz League	Certificate	8-Nov-17	8-Nov-17	Jaipuria Institute of Management, Jaipur

Outside State **Programs Name and Assessment Year: CSE &2017-18**								
S.No.	**Name of the Student**	**Semester & Section**	**Name of the Festival**	**Name of the Event**	**Position / Participated**	**Date**		**Name & Place of the Institute organized**
						From	**To**	
1	Jateen Kashyap	V B	Introduction To Programming in C	NPTEL	51% Marks Obtained	Jul-17	17-Sep	IIT Kanpur
2	Akshay Gagrani	III A	PyCon India	Microsoft	Attende e	Nov-17	Nov-17	Delhi
3	Aditya Agarwal	III A	NPTEL	Programming in C++	85% Marks Obtained	Jul-17	Sep-17	IIT Kharagpur
4	Aditya Agarwal	III A	PyCon India	Microsoft	Attende e	Nov-17	Nov-17	Delhi
5	Garima Gill	III A	NPTEL	Introduction to Modern Application Development	86% Marks Obtained	Jul-17	Sep-17	IIT Madras
6	Aman Parteek	III A	National Football Championship	CP Football Association	Winner	16-May-17	18-May-17	Goa
7	Aman Bansal	III A	NPTEL	Introduction to Modern Application Development	40% Marks Obtained	Jul-17	Sep-17	IIT Madras
8	Amrit Shrivastava	III A	NPTEL	Programming in C++	79% Marks Obtained	Jul-17	Sep-17	IIT Kharagpur
9	Amrit Shrivastava		PyCon India	Microsoft	Attende e	Nov-17	Nov-17	Delhi

Outside State **Programs Name and Assessment Year: CSE &2017-18**								
S. No.	**Name of the Student**	**Semester & Section**	**Name of the Festival**	**Name of the Event**	**Position / Participated**	**Date**		**Name & Place of the Institute organized**
						From	**To**	
10	Anega Maheshwari	III A	NPTEL	Programming in C++	69% Marks Obtained	Jul-17	Sep-17	IIT Kharagpur
11	Anega Maheshwari	III A	NPTEL	Programming in C	60% Marks Obtained	Jul-17	Sep-17	IIT KanwsrD
12	Vishal Singhania	VI C	NPTEL	Programming DSA using Python	86% Marks Obtained	Jul-17	Sep-17	IIT Madras
13	Tanmay Gautam	VI C	SIH'2018	Freaks & Geeks	Certificate	30-Mar-18	31-Mar-18	Pune
14	Utsav Khandelwal	VI C	SIH'2018	Freaks & Geeks	Certificate	30-Mar-18	31-Mar-18	Pune
15	Vaibhav Kumar Gupta	III C	Techkriti	Android Development Workshop	Certificate	23-Mar-18	26-Mar-18	IIT Kanpur
16	Shubham Singh	III C	Techkriti	Android Development Workshop	Certificate	23-Mar-18	26-Mar-18	IIT Kanpur
17	Abhilash Kumar Tiwari	III A	PyCon India	Microsoft	Attendee	Nov-17	Nov-17	Delhi
18	Vaishali Goyal	III C	NPTEL	Introduction To Programming in C	48% Marks Obtained	Jul-17	Sep-17	IIT Kanpur
19	Jatin Khemchandani	III B	PyCon India	Microsoft	Attendee	Nov-17	Nov-17	Delhi

Outside State **Programs Name and Assessment Year: CSE &2017-18**								
S. No.	**Name of the Student**	**Semester & Section**	**Name of the Festival**	**Name of the Event**	**Position / Participated**	**Date**		**Name & Place of the Institute organized**
						From	**To**	
20	Aisha Jha	VI A	SIH'2018	orazone	Participated	30-Mar-18	31-Mar-18	College of Engineering, Pune
21	Chahal Pansari	VI A	SIH'2018	orazone	Participated	30-Mar-18	31-Mar-18	College of Engg,Pune
22	Amit Sharma	VI A	SIH'2018	orazone	Participated	30-Mar-18	31-Mar-18	College of Engineering, Pune
23	Diwanshu Soni	VI A	SIH'2018	Operation_Act	Participated	30-Mar-18	31-Mar-18	College of Engineering, Pune
24	Gagan Goyal	VI A	SIH'2018	Operation_Act	Participated	30-Mar-18	31-Mar-18	College of Engineering, Pune
25	Mayank Prasad	VIII B	RCPL	Python	A+ Grade	19-Jun-17	18-Jul-17	Ranchi

Table B.4.6.3b: Students Participation in inter-institute events

CRITERION 5
Faculty Information and Contributions (200)

5. FACULTY INFORMATION AND CONTRIBUTIONS (200)

Faculty Details:2018-19

S.No.	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In	Nature of Association (Regular/Contract)
		egree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D.during the AssessmentYears		
1	Dr. VIJAY SINGH RATHORE	Phd	University of Rajasthan	27/2/2009	YES	PROFESSOR	17/8/2016	17/8/2016	CSE	Data Minin	1	2		Y	Regular
2	Dr.SURENDRA KUMAR YADAV	Phd	Jagannath University	30/6/2009	YES	PROFESSOR	10/7/2015	10/7/2015	CSE	Computer Networking	0			Y	Regular
3	DR.BHAVNA SHARMA	Phd	MohanLalSukhadia University	13/06/2015	YES	ASSOCIATE PROFESSOR	8/1/2016	1/8/2016	CSE	Image Processing and Machine Learning	0			Y	Regular
4	DR.NILAM CHOUDHARY	Phd	Suresh GyanVihar University	3/4/2017	YES	ASSOCIATE PROFESSOR	1/8/2017	1/8/2017	CSE	Cloud Computing g	3			Y	Regular
5	DR.SANJAY GAUR	Phd	Mohan lalSukhadia University	1/9/2012	YES	ASSOCIATE PROFESSOR	1/8/2017	1/8/2017	CSE	Data Mining	4	0		Y	Regular
6	DR.NEELAM CHAPLOT	Phd	Banasthali University	10/11/2017	YES	ASSOCIATE PROFESSOR	7/12/2017	7/12/2007	CSE	Artificial Intelligence	0			Y	Regular
7	Dr. VIJITA KUMAWAT	Phd	Jyoti Vidyapeeth Women's University	15/07/2018	YES	ASST PROFESSOR	2/4/2018	2/4/2018	CSE	Wireless and Security	0			Y	Regular
8	MUKESH AGRAWAL	M.tech	BITS Plani	30/6/2018	YES	ASST PROFESSOR	30/6/2012	1/7/2002	CSE	Data Mining	1			Y	Regular
9	MANJU VYAS	M.tech	Jodhpur National UNI	28/4/2011	YES	ASST PROFESSOR		29/08/2011	CSE	COMPUTER SCI.	0			Y	Regular
10	SACHIN GUPTA	M.tech	RTU	5/2/2018	YES	ASST PROFESSOR		2/5/2012	CSE	COMPUTER SCI.	0			Y	Regular
11	C.JEBA NEGA CHELTHA	M.e	Anna University	11/10/2011	YES	ASST PROFESSOR		10/11/2013	CSE	COMPUTER SCI.	0			Y	Regular
12	ABHILASHA	M.tech	GLA University	12/10/2013	YES	ASST PROFESSOR		19/11/2013	CSE	COMPUTER SCI.	0			Y	Regular
13	ABHISHEK DIXIT	M.tech	SGVU	1/7/2015	YES	ASST PROFESSOR		2/8/2014	CSE	Data Mining	0			Y	Regular
14	GEETIKA GAUTAM	M.tech	JIIT	5/7/2014	YES	ASST PROFESSOR		19/1/2015	CSE	Machine Learning	3			Y	Regular

15	HEMLATA SONI	M.tech	RTU	12/9/2012	YES	ASST PROFESSOR		2/1/2015	CSE	COMPUTER SCI.	0			Y	Regular
16	RICHA UPADHYAY	M.tech	SGVU	29/11/2014	YES	ASST PROFESSOR		3/1/2015	CSE	COMPUTER SCI.	0			Y	Regular
17	SHASHI KANT SINGH	M.tech.	Jagannath University	20/7/2013	YES	ASST PROFESSOR		15/7/2015	CSE	Image Processing	0			Y	Regular
18	ANKUR RAJ	M.tech	SGVU	12/11/2014	YES	ASST PROFESSOR		14/7/2015	CSE	COMPUTER SCI.	0			Y	Regular
19	GEERIJA LAVANIA	M.tech	JECRC University	27/12/2014	YES	ASST PROFESSOR		13/8/2015	CSE	COMPUTER SCI.	0			Y	Regular
20	ANKITA AGARWAL	M.tech	RTU	7/3/2015	YES	ASST PROFESSOR		13/7/2015	CSE	COMPUTER SCI.	0			Y	Regular
21	ANOOP KUMAR MEHTA	M.tech	IIIT Jabalpur	19/7/2016	YES	ASST PROFESSOR		1/8/2016	CSE	Data Mining	0			Y	Regular
22	GEET KALANI	M.tech	Central University	10/7/2013	YES	ASST PROFESSOR		2/1/2017	CSE	COMPUTER SCI.	0			Y	Regular
23	SAROJ AGRAWAL	M.tech	RTU	3/10/2016	YES	ASST PROFESSOR		15/7/2016	CSE	COMPUTER SCI	1			Y	Regular
24	ASHISH AMERIA	M.tech	Jagannath University	22/07/2014	YES	ASST PROFESSOR		19/7/2016	CSE	COMPUTER Networking	0			Y	Regular
25	GARIMA OJHA	M.tech	Singhania University	17/08/2012	YES	ASST PROFESSOR		1/4/2017	CSE	Software Engineering	1			Y	Regular
26	ASHIMA TIWARI	M.tech	JECRC University	1/9/2017	YES	ASST PROFESSOR		1/4/2017	CSE	COMPUTER SCI.	0			Y	Regular
27	SHIKHA MAHESHWARI	M. Tech	Mody Institute of Technology & Sciences,	31/5/2008	YES	ASST PROFESSOR		1/2/2010	CSE	COMPUTER SCI.	0			Y	Regular
28	ANIMA SHARMA	M.tech.	Jagannath University	20/7/2013	YES	ASST PROFESSOR		19/2/2009	CSE	Computer Networks	0			Y	Regular
29	RAJAN KUMAR JHA	M.tech	Jagannath University	20/7/2013	YES	ASST PROFESSOR		17/12/2009	CSE	Image Processing	0			Y	Regular
30	AMIT MITHAL	M.tech	Malaviya National Institute of Technology, Jaipur	6/8/2012	YES	ASST PROFESSOR		2/12/2004	CSE	COMPUTER SCI.	0			Y	Regular
31	RICHA SHARMA	M.tech	RTU	22/3/2016	YES	ASST PROFESSOR		27/8/2008	CSE	Computer Networking	0			Y	Regular
32	GAJENDRA KUMAR SHARMA	M.tech	JNRU	15/5/2006	YES	ASST PROFESSOR		4/10/2006	CSE	COMPUTER SCI.	0			Y	Regular
33	PRAHLAD KUMAR SHARMA	M.tech	RTU	17/8/2016	YES	ASST PROFESSOR		17/1/2012	CSE	Data Mining	0			Y	Regular
34	SHAILESH ARRAWATIA	M.tech	RTU	5/2/2018	YES	ASST PROFESSOR		2/5/2012	CSE	COMPUTER SCI.	0			Y	Regular
35	VINAY AJMERA	M.tech	Jodhpur National UNI	1/7/2013	YES	ASST PROFESSOR		1/10/2018	CSE	Compiler Design	0			Y	Regular
36	YOGITA PANJABI	M.tech	Jagannath University	30/6/2012	YES	ASST PROFESSOR		1/8/2011	CSE	Image Processing	0			Y	Regular
37	PRADEEP SHARMA	M.tech	Jagannath University	1/7/2013	YES	ASST PROFESSOR		1/02/2014	CSE	COMPUTER SCI.	0			Y	Regular
38	PRIYANKA MITRA	M.tech	Banasthali University	2/7//2012	YES	ASST PROFESSOR		2/7//2016	CSE	Image Processing	0			Y	Regular

Faculty Details:2017-18

S.N0.	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/Contract)
		Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D.duringtheAssessmentYears		
1	Dr. VIJAY SINGH RATHORE	PhD	University of Rajasthan	27/2/2009	YES	PROFESSOR	17/8/2016	17/8/2016	CSE	Data Minin	7	3		Y	Regular
2	Dr.SURENDRA KUMAR YADAV	PhD	Jagannath University	30/6/2009	YES	PROFESSOR	10/7/2015	10/7/2015	CSE	Computer Networking	1			Y	Regular
3	DR.BHAVNA SHARMA	PhD	MohanLal Sukhadia University	13/06/2015	YES	ASSOCIATE PROFESSOR	08-01-2016	1/8/2016	CSE	Image Processing and Machine Learning	3			Y	Regular
4	DR.NILAM CHOUDHARY	PhD	Suresh GyanVihar University	3/4/2017	YES	ASSOCIATE PROFESSOR	1/8/2017	1/8/2017	CSE	Cloud Computing g	2			Y	Regular
5	DR.SANJAY GAUR	PhD	Mohan lalSukhadia University	1/9/2012	YES	ASSOCIATE PROFESSOR	1/8/2017	1/8/2017	CSE	Data Mining	8	3		Y	Regular
6	DR.NEELAM CHAPLOT	PhD	Banasthali University	10/11/2017	YES	ASST PROFESSOR	7/12/2017	7/12/2007	CSE	Artificial Intelligence	4		2017-18	Y	Regular
7	MUKESH AGRAWAL	M.TECH	BITS Plani	30/6/2018	YES	ASST PROFESSOR	30/6/2012	1/7/2002	CSE	Data Mining	1			Y	Regular
8	MANJU VYAS	M.TECH	Jodhpur National UNI	28/4/2011	YES	ASST PROFESSOR		29/08/2011	CSE	COMPUTER SCI.	3			Y	Regular
9	SACHIN GUPTA	M.TECH	RTU	5/2/2018	YES	ASST PROFESSOR		2/5/2012	CSE	COMPUTER SCI.	2			Y	Regular
10	C.JEBA NEGA CHELTHA	M.E	Anna University	11/10/2011	YES	ASST PROFESSOR		10/11/2013	CSE	COMPUTER SCI.	3			Y	Regular
11	ABHILASHA	M.TECH	GLA University	12/10/2013	YES	ASST PROFESSOR		19/11/2013	CSE	COMPUTER SCI.	0			Y	Regular
12	ARIHANT KUMAR JAIN	M.TECH	RTU	10/9/2012	YES	ASST PROFESSOR		30/1/2014	CSE	COMPUTER SCI.	2			Y	Regular
13	ABHISHEK DIXIT	M.TECH	SGVU	1/7/2015	YES	ASST PROFESSOR		2/8/2014	CSE	Data Mining	2			Y	Regular

14	GEETIKA GAUTAM	M.TECH	JIIT	5/7/2014	YES	ASST PROFESSOR		19/1/2015	CSE	Machine Learning	2			Y	Regular
15	HEMLATA SONI	M.TECH	RTU	12/9/2012	YES	ASST PROFESSOR		2/1/2015	CSE	COMPUTER SCI.	2			Y	Regular
16	RICHA UPADHYAY	M.TECH	SGVU	29/11/2014	YES	ASST PROFESSOR		3/1/2015	CSE	COMPUTER SCI.	2			Y	Regular
17	SHASHI KANT SINGH	M.TECH.	Jagannath University	20/7/2013	YES	ASST PROFESSOR		15/7/2015	CSE	Image Processing	1			Y	Regular
18	SEEMA YADAV	M.TECH	Banasthali University	19/2/2015	YES	ASST PROFESSOR		7/7/2015	CSE	COMPUTER SCI.	2			Y	Regular
19	ANKITA AGARWAL	M.TECH	RTU	7/3/2015	NO	ASST PROFESSOR		13/7/2015	CSE	COMPUTER SCI.	0			Y	Regular
20	ANKUR RAJ	M.TECH	SGVU	12/11/2014	YES	ASST PROFESSOR		14/7/2015	CSE	COMPUTER SCI.	2			Y	Regular
21	GEERIJA LAVANIA	M.TECH	JECRC University	27/12/2014	YES	ASST PROFESSOR		13/8/2015	CSE	COMPUTER SCI.	3			Y	Regular
22	KIRTI CHOUDHARY	M.TECH	Jagannath University	23/8/2012	YES	ASST PROFESSOR		1/7/2015	CSE	Image Processing	3			Y	Regular
23	ANOOP KUMAR MEHTA	M.TECH	IIIT Jabalpur	19/7/2016	YES	ASST PROFESSOR		1/8/2016	CSE	Data Mining	0			Y	Regular
24	GEET KALANI	M.TECH	Central University	10/7/2013	YES	ASST PROFESSOR		2/1/2017	CSE	COMPUTER SCI.	3			Y	Regular
25	SAROJ AGRAWAL	M.TECH	RTU	3/10/2016	YES	ASST PROFESSOR		15/7/2016	CSE	COMPUTER SCI	1			Y	Regular
26	ASHISH AMERIA	M.TECH	Jagannath University	22/07/2014	YES	ASST PROFESSOR		19/7/2016	CSE	COMPUTER Networking	5			Y	Regular
27	VATAN MISHRA	M.TECH.	Jagannath University	04/06/2013	NO	ASST PROFESSOR		9/7/2011	CSE	COMPUTER SCI	2			4/7/2018	Regular
28	GARIMA OJHA	M.TECH	Singhania University	17/08/2012	YES	ASST PROFESSOR		1/4/2017	CSE	Software Engineering	5			Y	Regular
29	ASHIMA TIWARI	M.TECH	JECRC University	1/9/2017	YES	ASST PROFESSOR		1/4/2017	CSE	COMPUTER SCI.	0			Y	Regular
30	SARITA	M TECH	SGVU	30/6/2013	No	ASST PROFESSOR		1/7/2015	CSE	Software Engineering	1			5/5/2018	Regular
31	SHIKHA MAHESHWARI	M. TECH	Mody Institute of Technology & Sciences, Laxmangarh	31/5/2008	YES	ASST PROFESSOR		1/2/2010	CSE	COMPUTER SCI.	6			Y	Regular
32	ANIMA SHARMA	M.TECH.	Jagannath University	20/7/2013	YES	ASST PROFESSOR		19/2/2009	CSE	Computer Networks	1			Y	Regular
33	RAJAN KUMAR JHA	M.TECH	Jagannath University	20/7/2013	YES	ASST PROFESSOR		17/12/2009	CSE	Image Processing	3			Y	Regular
34	AMIT MITHAL	M.TECH	Malaviya National Institute of Technology, Jaipur	6/8/2012	YES	ASST PROFESSOR		2/12/2004	CSE	COMPUTER SCI.	1			Y	Regular
35	RICHA SHARMA	M.TECH	RTU	22/3/2016	YES	ASST PROFESSOR		27/8/2008	CSE	Computer Networking	1			Y	Regular
36	GAJENDRA KUMAR SHARMA	M.TECH	JNRU	15/5/2006	YES	ASST PROFESSOR		4/10/2006	CSE	COMPUTER SCI.	1			Y	Regular

37	PRASHANT YADAV	M.TECH	RTU	22/0/2017	NO	ASST PROFESSOR		17/03/2008	CSE	COMPUTER SCI.	1			1/4/2018	Regular
38	PRAHLAD KUMAR SHARMA	M.TECH	RTU	17/8/2016	YES	ASST PROFESSOR		17/1/2012	CSE	Data Mining	2			Y	Regular
39	SHAILESH ARRAWATIA	M.TECH	RTU	5/2/2018	YES	ASST PROFESSOR		2/5/2012	CSE	COMPUTER SCI.	3			Y	Regular

Faculty Details:2016-17

S.N0.	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/Contract)
		Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D.duringtheAssessmentYears		
1	DR.(Prof)VIJAY SINGH RATHORE	PhD	University of Rajasthan	27/2/2009	YES	PROFESSOR	17/8/2016	17/8/2016	CSE	Cloud Computing	5	4		Y	Regular
2	Dr.SURENDRA KUMAR YADAV	PhD	Jagannath University	30/6/2009	YES	PROFESSOR	10/7/2015	10/7/2015	CSE	Computer Networking	1			Y	Regular
3	DR.BHAVNA SHARMA	PhD	Sukhadia University	13/06/2015	YES	ASSOCIATE PROFESSOR	08-01-2016	1/8/2016	CSE	Image Processing and Machine Learning	3			Y	Regular
4	NEELAM CHAPLOT	PhD	Banasthali University	10/11/2017	YES	ASST PROFESSOR	7/12/2017	7/12/2007	CSE	Artificial Intelligence	0			Y	Regular
5	MUKESH AGRAWAL	M.TECH	BITS Plani	30/6/2018	YES	ASST PROFESSOR	30/6/2012	1/7/2002	CSE	Data Mining	0			Y	Regular
6	MANJU VYAS	M.TECH	Jodhpur National UNI	28/4/2011	YES	ASST PROFESSOR		29/08/2011	CSE	COMPUTER SCI.	3			Y	Regular
7	SACHIN GUPTA	M.TECH	RTU,kota	5/2/2018	YES	ASST PROFESSOR		2/5/2012	CSE	COMPUTER SCI.	1			Y	Regular
8	C.JEBA NEGA CHELTHA	M.E	Anna University	11/10/2011	YES	ASST PROFESSOR		10/11/2013	CSE	COMPUTER SCI.	1			Y	Regular
9	ABHILASHA KUMARI	M.TECH	GLA University	12/10/2013	YES	ASST PROFESSOR		19/11/2013	CSE	COMPUTER SCI.	0			Y	Regular
10	ARIHANT KUMAR JAIN	M.TECH	RTU	10/9/2012	YES	ASST PROFESSOR		30/1/2014	CSE	COMPUTER SCI.	2			Y	Regular
11	ABHISHEK DIXIT	M.TECH	SGVU	1/7/2015	YES	ASST PROFESSOR		2/8/2014	CSE	Data Mining	0			Y	Regular

12	GEETIKA GAUTAM	M.TECH	JIIT	5/7/2014	YES	ASST PROFESSOR		19/1/2015	CSE	Machine Learning	0			Y	Regular
13	HEMLATA SONI	M.TECH	RTU	12/9/2012	YES	ASST PROFESSOR		2/1/2015	CSE	COMPUTER SCI.	2			Y	Regular
14	RICHA UPADHYAY	M.TECH	SGVU	29/11/2014	YES	ASST PROFESSOR		3/1/2015	CSE	CSE	1			Y	Regular
15	SHASHI KANT SINGH	M.TECH	Jagannath University	20/7/2013	YES	ASST PROFESSOR		15/7/2015	CSE	Image Processing	0			Y	Regular
16	SEEMA YADAV	M.TECH	Banasthali University	19/2/2015	YES	ASST PROFESSOR		7/7/2015	CSE	COMPUTER SCI.	0			Y	Regular
17	ANKITA AGARWAL	M.TECH	RTU	7/3/2015	NO	ASST PROFESSOR		13/7/2015	CSE	COMPUTER SCI.	0			Y	Regular
18	ANKUR RAJ	M.TECH	SGVU	12/11/2014	YES	ASST PROFESSOR		14/7/2015	CSE	COMPUTER SCI.	0			Y	Regular
19	GEERIJA LAVANIA	M.TECH	JECRC University	27/12/2014	YES	ASST PROFESSOR		13/8/2015	CSE	COMPUTER SCI.	3			Y	Regular
20	KIRTI CHOUDHARY	M.TECH	Jagannath University	23/8/2012	YES	ASST PROFESSOR		1/7/2015	CSE	Image Processing	2			Y	Regular
21	ANOOP KUMAR MEHTA	M.TECH	IIIT Jabalpur	19/7/2016	YES	ASST PROFESSOR		1/8/2016	CSE	Data Mining	1			Y	Regular
22	ASHISH AMERIA	M.TECH	Jagannath University	22/07/2014	YES	ASST PROFESSOR		19/7/2016	CSE	COMPUTER Networking	0			Y	Regular
23	VATAN MISHRA	M.TECH	Jagannath University	04/06/2013	NO	ASST PROFESSOR		9/7/2011	CSE	COMPUTER SCI	2			4/7/2018	Regular
24	SARITA	M TECH	SGVU	30/6/2013	No	ASST PROFESSOR		1/7/2015	CSE	Software Engineering	1			5/5/2018	Regular
25	SHIKHA MAHESHWARI	M. TECH	Mody Institute of Technology & Sciences, Laxmangarh	31/5/2008	YES	ASST PROFESSOR		1/2/2010	CSE	COMPUTER SCI.	4			Y	Regular
26	ANIMA SHARMA	M.TECH	Jagannath University	20/7/2013	YES	ASST PROFESSOR		19/2/2009	CSE	Computer Networks	0			Y	Regular
27	RAJAN KUMAR JHA	M.TECH	Jagannath University	20/7/2013	YES	ASST PROFESSOR		17/12/2009	CSE	Image Processing	0			Y	Regular
28	AMIT MITHAL	M.TECH	MNIT, Jaipur	6/8/2012	YES	ASST PROFESSOR		2/12/2004	CSE	COMPUTER SCI.	0			Y	Regular
29	RICHA SHARMA	M.TECH	RTU Kota	22/3/2016	YES	ASST PROFESSOR		27/8/2008	CSE	Computer Networking	1			Y	Regular
30	GAJENDRA KUMAR SHARMA	M.TECH	JNRU	15/5/2006	YES	ASST PROFESSOR		4/10/2006	CSE	COMPUTER SCI.	0			Y	Regular
31	PRASHANT YADAV	M.TECH	RTU	22/0/2017	NO	ASST PROFESSOR		17/03/2008	CSE	COMPUTER SCI.	1			Y	Regular
32	PRAHLAD KUMAR SHARMA	M.TECH	RTU	17/8/2016	YES	ASST PROFESSOR		17/1/2012	CSE	Data Mining	0			Y	Regular
33	SHAILESH ASSAWATIA	M.TECH	RTU,kota	5/2/2018	YES	ASST PROFESSOR		25/4/2012	CSE	COMPUTER SCI.	1			Y	Regular
34	NEHA MUDGAL	M.TECH	RTU,kota	07/06/2015	YES	ASST PROFESSOR		13/07/2015	CSE	COMPUTER SCI.	0			30/11/2017	Regular
35	DEEKSHA MATHUR	M.TECH	Lovely professional UNi	15/205/2015	YES	ASST PROFESSOR		14/07/2015	CSE	COMPUTER SCI.	0			13/11/2017	Regular
36	UDBHAV BHATNAGAR	Mtech	Jaganath University	10-02-2012	NO	ASST PROFESSOR		11-07-2011	CSE	CSE	0			06/02/2017	Regular

5.1. Student-Faculty Ratio (SFR) (20)

(To be calculated at Department Level)

No. of UG Programs in the Department (n): 1
No. of PG Programs in the Department (m): NA
No. of Students in UG 2nd Year= **u1**
No. of Students in UG 3rd Year= **u2**
No. of Students in UG 4th Year= **u3**
No. of Students in PG 1st Year= **p1=NA**
No. of Students in PG 2nd Year= **p2=NA**

No. of Students = Sanctioned Intake + Actual admitted lateral entry students

(The above data to be provided considering all the UG and PG programs of the department)

S=*Number of Students in the Department* ***F*** = *Total Number of Faculty Members in the Department (excluding first year faculty)*

Student Faculty Ratio (SFR) = S/F

Year	CAY P1(2018-19)	CAY(2017-18)	CAYm1(2016-17)
U1.1	202	193	205
U1.2	193	205	219
U1.3	205	219	206
UG1	**600**	**617**	**630**
U2.1	61	63	63
U2.2	63	63	64
U2.3	63	64	59
UG2	**187**	**190**	**186**
Total No. of Students in the			
Department **(S)**	**787**	**807**	**816**
No. of Faculty in the			
Department **(F)**	38	39	36
Student Faculty Ration (SFR)	**SFR=20.71**	**SFR1=20.69**	**SFR2=22.66**
Average SFR	**SFR=(20.71+20.69+22.66)/3=21.35**		

Table B.5.1: Student Faculty Ratio

Note:

- **Minimum 75% should be Regular/ full time faculty and the remaining shall be Contractual Faculty as per AICTE norms and standards.The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Student Faculty Ratio.**

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY P1(2018-19)	38	0
CAY(2017-18)	39	0
CAYm1(2016-17)	36	0

Table B.5.1.1: Regular and Contractual Faculty

5.2. Faculty Cadre Proportion (25)

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = 1/9 x Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F2: Number of Associate Professors required = 2/9 x Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F3: Number of Assistant Professors required = 6/9 x Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

Faculty Cadre Proportion

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAYP1(2018-19)	4	2	9	4	27	32
CAY(2017-18)	4	2	9	3	27	34
CAYm1(2016-17)	4	2	8	1	23	33
Average Numbers	RF1=4	AF1=2	RF2=8.66	AF2=2.66	RF3=25.66	AF3=33

Table B.5.2: Faculty Cadre Proportion

$$\textbf{Cadre Ratio Marks}=\left[\left[\frac{AF1}{RF1}\right]+\left[\frac{AF2}{RF2}\times 0.6\right]+\left[\frac{AF3}{RF3}\times 0.4\right]\times 12.5\right]$$

Cadre Ratio Marks= (0.5+0.184+0.514)*12.5=14.97

- *If AF1 = AF2= 0 then zero marks*
- *Maximum marks to be limited if it exceeds 25*

Example: Intake = 60 (i.e. total no. of students= 180); Required number of Faculty: 9; RF1= 1, RF2=2 and RF3=6

Case 1: *AF1/RF1= 1; AF2/RF2 = 1; AF3/RF3 = 1; Cadre proportion marks = (1+0.6+0.4) x 12.5 = 25*

Case 2: *AF1/RF1= 1; AF2/RF2 = 3/2; AF3/RF3 = 5/6; Cadre proportion marks = (1+0.9+0.3) x 12.5 = limited to 25*

Case 3: *AF1/RF1=0; AF2/RF2=1/2; AF3/RF3=8/6; Cadre proportion marks = (0+0.3+0.53) x 12.5 = 10.4*

5.3. Faculty Qualification (25)

(FQ =2.5 x [(10X +4Y)/F)] where x is no. of regular faculty with Ph.D., Y is no. of regular faculty with M.Tech. F is no. of regular faculty required to comply 20:1Faculty Student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

S.NO		X	Y	F	FQ = 2.5 x [(10X +4Y)/F)]
1	CAY P1(2018-19)	7	31	39	12.43
2	CAY(2017-18)	6	33	40	12.0
3	CAYm1(2016-17)	3	32	41	9.63
	Average Assessment				11.35

Table B.5.3: Faculty Qualification

5.4. Faculty Retention (25)

No. of regular faculty members in CAYm3= 30 CAY*m1*= 35 CAY= 39 CAY P1=38

Item (% of faculty retained during the period of assessment keeping CAYm3 as base year)	Marks
>=90% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	25
>=75% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	20
>=60% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	15
>=50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	10
<50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	0

Table B.5.4: Faculty Retention

No of faculty in 2018-19=38

No of faculty retained since 2015-16 =23

CAYm2=34

Faculty Retention =20/30=67%

Total Marks for Faculty Retention =15

5.5. Innovations by the Faculty in Teaching and Learning (20)

(Innovations by the Faculty in teaching and learning shall be summarized as per the following description.

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction. Any contributions to teaching and learning should satisfy the following criteria:

- *The work must be made available on Institute website*
- *The work must be available for peer review and critique*
- *The work must be reproducible and developed further by other scholars*

The department/institution may set up appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriate methods, and significance of results, effective presentation and reflective critique)

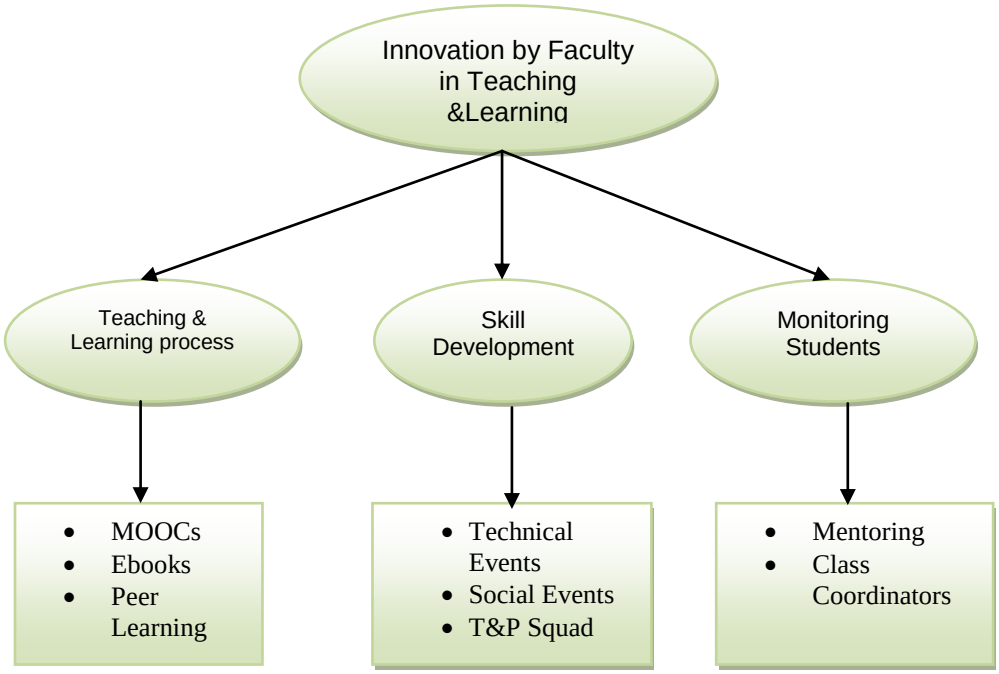


Figure 5.5a: Teaching Learning Process Diagram

Innovations are introduced to improve the effectiveness in teaching and learning process. Student, al umni, employer feedback and state of art technologies in the society are considered to introduce inno vative teaching and learning methodologies.Department encourages faculty members to adapt innova tive teaching. Following are the three initiatives taken to improve the teaching learning process like

A. Innovations introduced in Teaching and Learning process –

Students are motivated to learn and prepare seminar presentation topic through research paper and e-books .They are also motivated for collaborative learning and peer learning methods. Students are prepared through multiple choice questions, roleplay, codingcontest, webinar and video lecture following are the methods

- Learning through e-Books, Research papers
- Providing MCQ to students Before MTTs
- Role Play on different topics in classroom
- Motivating students to use modern tools like Prezi, snipping tool etc.
- TopCoder Contest for improving coding skills
- Participation of students in Codevita, NinjaEngineX, Testimony/Enquode for improving coding skills.
- Webinars, video lectures, MOOCs etc.
- Peer Learning / Collaborative Learning

B. Skill Development Initiatives –

Formation of Club: We believe in the holistic grooming of our students and hence we stress equal emphasis on round the year extracurricular activities which are facilitated through the various active student clubs at JECRC. For students inclined towards social services we have club i.e. Zarurat, SOCH, and Aashayein.

a) **Zarurat:** on a theme "The Help Beyond" an Initiative by JECRC students for social concern that is educating the underprivileged kids who can not avail the facility of schooling. **Limca Book of Records (National Record):** Students of Team Zarurat, JECRC, Jaipur assembled 24,626 tricolored handmade origami flowers in a flower basket - a record for the largest display of origami flowers - at the college premises. The target was accomplished over two phases; the first was the making of the origami flowers, which took place on 26th February 2017, over 11 hours, and the second was the assembly of the flower basket, symbolizing the national flag on 7th March 2017, over 10 hours. The certificate was issued in December 2017.

b) **SOCH (Sochkuchkardikhaneki):** Soch is a social initiative in JECRC started by the students to help needy persons of slum areas. Members of SOCH doing help such as providing food cloths, give education to poor of children's. Activities done by SOCH are orphanage children interactive program (ocip) 2018, vastra-samman, orphanage children interactive program, jecrc cleanliness drive, and no food wastage campaign.

c) **ASHAYEIN:** AashayeinEkAbhiyaan is club managed and run by JECRCians. The objective of Ashayein Club is Blood donation, Fest and Birthday Celebration in Old Age Homes, and Trees Plantation. The team aspires to inspire and motivate the youth of nation to be a part of this supreme deed. We aim to spread awareness among masses, so as to serve not only Rajasthan, but the entire nation.

Collaborative Learning: Collaborative Learning is based on the model that knowledge can be created within a population where members actively interact by sharing experience and take on asymmetric role. We use Collaborative learning method among faculty and student. Six faculty members completed the AWS certification and are providing training to the students by lectures / video lectures.

Also two faculty members successfully completed training on Deep Learning and AI under Leading India initiative which is a project of Royal Academy of Engineering, UK under Newton Bhabha program. JECRC being the Zonal partner of this project has formed a research group comprising of faculty members of CSE and IT. The group will be conducting various trainings and will help the students to build projects to spread awareness about AI.

Formation of T&P Squad: Conducting training for the students to enhance the aptitude, technical skills & soft skills before the commencement of placement. Department formed a special Squad named "T&P Squad - CSE" for Un-Placed Students' Placements. The Squad consists of 6 dedicated willing faculty members, and 12 Students from 4th Year who are already placed.

- For development of entrepreneurial skills among the students to start their own enterprise, a ctivities are conducted by the department of the college.
- Students are encouraged to attend various technical events, workshops, programming contests & paper presentation in contests.
- Department conduct online mock test series for students to perform better in GATE, MCAT, elitmus and other activities.

Year	No. of Student Appeared online exam
2015-16	180
2016-17	184
2017-18	186

Table.5.5: Number of Students Appeared in online Exam

Sample of MOM for T&P Squard:

Jaipur Engineering College & Research Centre, Jaipur

From: CSE-T&PSquad	To: All Concerned

Noting Reference No. JECRC/CSE-TnPS/MoM/2017/December/09 09/12/2017

Minutes of Meeting

Agenda –

- Formation of CSE-Training &Placement Squad
- Placement strategy for Un-placed students
- Task assignment.

Meeting Venue and Date: EDC Conference Room A block at 2:00 O'clock on Saturday, December 09, 2017
Chaired By:
Dr. Vijay Singh Rathore

Attendees

- **Faculty Coordinators:**
  Dr. Sanjay Gaur
  Dr. NilamChodhary
  Ms. ShikhaMaheshwari
  Mr. Abhishek Dixit
  M. Priyanka Mitra

- **Students Coordinators:**
  Ms. Japleen Kaur
  Ms. Kanishka Goyal
  Ms. RidhimaShekhawat
  Ms. ApurviMansingha
  Mr. Atul Dada
  Mr. DikshantMamodia
  Mr. NiteshVashishtha
  Ms. MohitEaran

Points put up for Discussion as per agenda:–

- The meeting started with motivational triggers connecting the current action with a bigger vision.
- 12 well trained and placed students of 7th Semester (some listed above) were identified for taking the action further.
- It was decided for unplaced 162 students of CSE department, each student coordinator will be allotted a group of 15 students.
- Future course of action was chalk out, based on following categories:
- For **Competition based hiring,** the student coordinators under the mentor-ship of faculty coordinator, will help their group for better preparation by identifying coding tricks and algorithms or training as per the requirements.
- For **Companies lined up by HR Team,** the student coordinators will motivate and extend their help in identifying the company specific set of questions and training available on the internet.
- For **Identification of Personal Contacts,** faculty coordinator along with students will approach organizations to take the things further in positive direction.
- For **Establishing Contact with Alumni,** both identified faculty member along with a team of students will approach Alumni of JECRC Foundation for the placement of students.

- Each of these above mentioned strategy is then allotted to the TPC Squad as follows:
  - Competition Based Hiring – Dr. Sanjay Gaur will coordinate with Dr. NeelamChaplot.
  - Companies lined up by HR Team- Ms. Priyanka Mitra will coordinate with HR.
  - Identification of Personal Contacts – Ms. NilamChoudhary will gather the possible contacts from other faculty members of the Department.

- Establishing Contact with JECRC Alumni – Ms. ShikhaMaheshwari will be responsible for contacting them.
- Mr. Abhishek Dixit, TPO-CSE will also be responsible for bridging the gap between HR and Departmental team, if any.

- It has been decided the student allotment will be completed by December 11, 2017 with the help of existing mentors.
- The meeting ended with a clear understanding of the vision and assignment to be carried out for achieving the same.

5.6. Faculty as participants in Faculty development/training activities/STTPs (15)

- *A Faculty scores maximum five points for participation*
- *Participation in 2 to 5 days Faculty development program: 3 Points*
- *Participation>5 days Faculty development program: 5 points*

S.NO	NAME OF FACULTY	Max 5 Per Faculty		
		2017-	2016-	2015-
1	PROF.(DR.) VIJAY SINGH RATHORE	3	-	NA
2	DR. SURANDRA KUMAR YADAV	-	-	-
3	DR. SATISH CHAND KULHARI	NA	NA	-
4	DR.BHAVNA SHARMA	5	5	NA
5	DR.NEELAM CHAPLOT	5	5	5
6	MANJU VYAS	5	3	5
7	DR.NILAM CHOUDHARY	5	NA	NA
8	DR.SANJAY GAUR	5	NA	NA
9	PROF. MUKAT BIHARI	NA	NA	-
10	AMIT MITHAL	5	5	5
11	GAJENDRA KUMAR SHARMA	5	5	5
12	PRASHANT YADAV	5	5	3
13	RICHA SHARMA	5	5	5
14	ANIMA SHARMA	5	5	-
15	RAJAN KUMAR JHA	5	5	5
16	SHIKHA MAHESHWARI	5	5	3
17	UDBHAV BHATNAGAR	NA	NA	3
18	VATAN MISHRA	3	3	5
19	PRAHLAD KUMAR SHARMA	5	5	5
20	SACHIN GUPTA	5	0	5
21	SHAILESH ARRAWATIA	5	5	5
22	C.JEBA NEGA CHELTHA	5	5	5
23	ABHILASHA	-	5	5
24	MANISHA RAJ KALANI	NA	NA	5
25	ARIHANT KUMAR JAIN	3	3	5
26	JITENDRA SINGH YADAV	NA	NA	3
27	ABHISHEK DIXIT	5	5	5
28	RAJAT BHARDWAJ	NA	NA	-
29	HEMLATA SONI	5	5	3
30	RICHA UDADHYAY	5	5	5
31	GEETIKA GAUTAM	5	5	5
32	SARITA K	3	5	5
33	SEEMA YADAV	-	-	5
34	ANKITA AGARWAL	-	-	-

35	NEHA MUDGAL	NA	-	-
36	ANKUR RAJ	5	5	5
37	DEEKSHA MATHUR	3	5	5
38	SHASHI KANT SINGH	5	5	5
39	GEERIJA LAVANIA	5	5	5
40	KIRTI CHOUDHARY	5	5	-
41	ASHISH AMERIA	3	5	NA
42	ANOOP KUMAR MEHTA	5	-	NA
43	GEET KALANI	5	-	NA
44	ASHIMA TIWARI	-	-	-
45	GARIMA OJHA	-	NA	NA

TABLE 5.6 a: Faculty FDP Details

NUMBER OF FACULTY	CAY	CAYM1	CAYM2
SUM*	148	129	130
RF= NUMBER OF FACULTY REQUIRED TO COMPLY WITH 20:1 STUDENT-FACULTY RATIO AS PER 5.1	39	35	34
ASSESSMENT = 3 X (SUM/0.5RF) (MARKS LIMITED TO 15)	22.76	22.11	22.94
AVERAGE ASSESSMENT OVER THREE YEARS (MARKS LIMITED TO 15) =	**15**		

Table 5.6 b: Number of Faculty FDP Calculations

5.7. Research and Development (30)

5.7.1. Academic Research (10)

Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.

- *Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (6)*
- *Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute (4)*

All relevant details shall be mentioned.

Details of Ph.D.

A. Details of Faculty who got Ph.D. degree during the assessment years:

- Dr. NeelamChaplot is awarded with Ph.D. in Computer Science and Engineering in November 2017 from BanasthaliVidyapeeth , Banasthali, Rajasthan under guidance of (Prof.) Dr. Praveen Dhyani Executive Director BanasthaliVidyapeeth and Co Guide Dr. O.P.Rishi Associate Professor University of Kota with thesis entitled " Analysis and Decision Support System for Astrological Prediction using Case Based Reasoning"

B. Details of Faculty who are pursuing Ph.D.:

Name of the Faculty	Ph.D. Pursuing University	Year of Registration	Details of Guide	Area of Research work	Status of Work & No. of publications
Ms. ShikhaMaheshwari	Jaipur National University, Jaipur	2012	Prof. P S Saxena	Artificial Intelligence	on submission
Ms. Kirti Choudhary	Jagannath university	Jun-14	Dr. Meenudave	Swarm Intellegence	About to complete 5 paper has published
Ms. Manju Vyas	JECRC University	July 2016	Dr. Naveen Hemrajani	Machine Learning	About to complete

Table B.5.7.1a: Details of Faculty pursuingPh.D.

C. Details of Successfully guided PhDs from the faculty of Department:

Following are the details of PhD thesis submitted under the guidance of

S. No	Faculty Name	Name of the scholar	Year Regd	Date of Submission	Title of the PhD Thesis
1	Prof.(Dr.) Vijay Singh Rathore	Ms. Purnima Jaiswal	2012	2016	"Safe Mode Login Transaction (SMLT) for Forced Online Banking Intrusion Activity (FOBIA)
2		Mrs. Neetu Sharma	2009	2016	"Congestion Control Mechanism in Multimedia Traffic in 3G Networks"
3		Mrs. Monika Rathore	2010	2017	"Study and Analysis of Data Warehouse Implementation in RDBMS and design a generalized framework of Implementation"
4		Ms. SonuHeer	2013	2017	Analysis of effectiveness of ERP implementation in colleges with special reference to education sector in Haryana
5		Ms. Deepu Saini	2013	2017	A study and analysis of security issues in E-Commerce network system.
6		Ms. JyotiRathore	2014	2018	Design of Load Balancing hybrid model for cloud environment
7		Ms. Madhu Sharma	2013	2018	A Freamework and design for safe mode alarm reporting technique (Smart) in ATMs
8		Mr. K.L. Jhawaria	2014	2018	Design & Implementation of an Efficient ICT Model for e-Government Service Delivery System
9	Dr. Sanjay Gaur	Yogesh Patel	2014	2017	Ubiquitous Institutional Learning services using hybrid clouds: A case study of E-learning clouds
10		SheshangDegadwala	2015	2018	Privacy Preserving System Using Pseudo Zernike Moment with SURF & Affine Transformation on Dual RST Attacks"

Table B.5.7.1b: Details of Successfully guided PhDs from the faculty of Department

D. Current PhD Scholars under joint Supervision (PhD) of Dr. Vijay Singh Rathore

S. No	Name of PhD Scholar	Research Area	Year of admission	University
1	Ms. Rajni Sharma	VANET (Computer App)	2014	Rajasthan Technical University, Kota
2	Mr. SubhashKumar Jat	Software Engineering (Computer App)	2014	Rajasthan Technical University, Kota
3	Mr. Sandeep Sharma	Blood Image Enhancement using OTCA (Computer App)	2014	Rajasthan Technical University, Kota
4	Ms. Aparajita Dixit	Course work going on (Computer App)	2015	Rajasthan Technical University, Kota
5	Ms. Savita Sharma	Course work going on (Computer Engg)	2016	Rajasthan Technical University, Kota
6	Ms. Mamta Dadhich	Development of a framework for selection of an appropriate software as a service in cloud computing Environment (Computer App)	2011	IIS University, Jaipur

Table B.5.7.1c: Current PhD Scholars under joint Supervision

Research Publications

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE, JAIPUR									
Publication session 2017-18									
S.NO	Faculty	Date of publication	Paper title	International Conference	International Journal	ISSN	E-ISSN	Volume/Issue	Source & Indexing
1	Prof. (Dr.) Vijay Singh Rathore	Feb. 2018	Impact of Open-Ended Project-Based Collaborative Learning Model for Teaching Undergraduate-Level Database Management Systems	ICICT 2018, London	Yes - Springer AISC	To Be Updated Soon		To Be Updated Soon	SCOPUS, Springer Link, DBLP
		Feb. 2018	Design and Performance Evaluation of Hybrid Wired-Wireless Network on chip Interconnect Architectures	ICICT 2018, London	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
		Feb. 2018	Impact of Try A-Gain - an Online Game App for Society	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
		Feb. 2018	Incessant Ridge Estimation Using RBCA Model	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
		Feb. 2018	Comparative Analysis of Load Balancing Algorithms using Cloud Analyst	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP

		Feb. 2018	Conceptual Structure of ASMAN Framework to Compare SaaS providers	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
		Feb. 2018	Improved Google Page Rank Algorithm	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
		09/07/1905	Analysis and Comparative Exploration of Elastic Search, MongoDB and Hadoop Big Data Processing		Springer, Singapore - Soft Computing: Theories and Applications	978-981-10-5698-7	978-981-10-5699-4	584	SCOPUS, Springer Link, DBLP
		09/07/1905	ASMAN Framework: A Framework for Comparison and Selection of SaaS Services	Yes	Springer, Singapore - Smart Trends in Systems, Security and Sustainability. Lecture Notes in Networks and Systems	978-981-10-6915-4	978-981-10-6916-1	18	SCOPUS, Springer Link, DBLP
		09/07/1905	OTCA Approach Towards Blurred Image Feature Estimation and Enrichment	Yes	Information and Communication Technology. Advances in Intelligent Systems and Computing	978-981-10-5507-2	978-981-10-5508-9	625	SCOPUS, Springer Link, DBLP
		09/07/1905	Radius based cellular automata approach for image processing applications	ICCCNT, 2017	IEEE Xplore	978-1-5090-3039-2	978-1-5090-3038-5		
2	Dr. Bhavna Sharma	Feb. 2018	Design and Performance Evaluation of Hybrid Wired-Wireless Network on chip Interconnect Architectures	ICICT 2018, London	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
		Feb. 2018	Abnormality Detection in Brain CT Images Using Support Vector Machine	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
3	Dr. Sanjay Gaur	Feb. 2018	A Comparative Analysis of Wavelet Families for Invisible Image Embedding	ICETEAS 2018	Yes - Springer AISC				

		Feb. 2018	Multiple Objects Tracking Under Occlusion Detection in Video Sequences,	ICETEAS 2018	Yes - Springer AISC				
		Feb. 2018	Performance Evaluation of Cryptographic Algorithm	ICETEAS 2018	Yes - Springer AISC				
		Feb. 2018	Detection of Anomalous value in Data Mining	ICETEAS 2018	Yes - Springer AISC				
4	Dr. Nilam Chaudhary	01/09/2017	"A Review of Techniques to Determine the Optimal Word Score in Text Classification" 2nd International Conference on Computer, Communication and Computational Sciences (RACCCS-2017) Aryabhatta College of Engineering & Research Center, Ajmer, India September 2-3, 2017.	RACCCS-2017	Springer				SCOPUS, Springer Link, DBLP
		01/01/2018	Cloud Implementation Model for Technical Educational Institution" presented in International Conference on Engineering, Computers and Sciences (IRECS 2018) during January 19-21, 2018 Goa INDIA.	IRECS 2018	STM				SCOPUS, Springer Link, DBLP
5	Dr.Neelam Chaplot	Feb. 2018	Sentiment analysis of live tweets after elections	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
			Sentiment analysis of movie review of using machine learning techniques		IJCA	0975-8887		Vlo 179	Google scholar
6	Ms. Richa Sharma	17-18 Feb 2018	A review on face recognition using raspberry pi	Yes					
7	Ms. Anima Sharma	17-18 Feb 2018	A review on face recognition using raspberry pi	Yes					
8	Ms. ShikhaMaheshwari	Feb. 2018	Impact of Open-Ended Project-Based Collaborative Learning Model for Teaching Undergraduate-Level Database Management Systems	ICICT 2018	To be updated soon				
		Feb. 2018	Impact of Try A-Gain - an Online Game App for Society	ICETEAS 2018					
		Feb. 2018	A Review on Machine Translation system with special reference to English - Hindi Languages	ICETEAS 2018					

		Nov. 2017	A Study on Effect of Semantic Noise Parameters on Corpus for English-Hindi Statistical Machine Translation	RACCCS 2017	Springer - AISC Ambient Communications and Computer Systems	2194-5357	978-981-10-7386-1	696	
9	Mr. Rajan Kr. Jha	17th Feb 2018	Contemporary Encryption Technique for Images using CLEFIA	ICCMC18	International conference				
		19th Feb 2018	A pioneering Encryption Technique for images	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
10	Mr. Prahalad Sharma	23rd March 2018	An Ingenious Encryption Technique for Video		IJACEN	2320-2106	2321-2063	Volume-6, Issue-1, Jan.-2018	Google Scholar
		17th Feb 2018	Contemporary Encryption Technique for Images using CLEFIA	YES					
11	Ms. C.JebaNegaCheltha	17th Feb 2018	Contemporary Encryption Technique for Images using CLEFIA	ICCMC18					
		19th Feb 2018	A pioneering Encryption Technique for images	ICETEAS 2018		978-981-13-2284-6		465034(64)	
		23rd March 2018	An Ingenious Encryption Technique for Video		IJACEN	2320-2106	2321-2063	Volume-6, Issue-1, Jan.-2018	Google Scholar
12	Mr.Arihant Kumar Jain	17-18 Feb 2018	A review on face recognition using raspberry pi	ICETEAS 2018					
		01/05/2017	Review of Offline Handwriting Recognition Techniques in the fields of HCR and OCR		IJCTT		2231-2803	Volume 47 Number 3	
13	Ms.HemlataSoni								
		Feb. 2018	Performance impact on different parameters by the continuous evolution of distributed algorithms in WSNs: A study	ICETEAS 2018	Yes - Springer AISC				SCOPUS, SpringerLink, DBLP
		03/02/2018	The drive for driverless cars: Mobility 4.0	YES	NIL	NOT			
14	Ms.RichaUpadhyay	17-18 Feb 2018	1.Comparative Analysis of TCP, SCTP and MPTCP in transport layer of wireless sensor network	ICETEAS 2018	yes				
15	Ms. Seema Yadav	17-18 Feb 2018	1.A Survey paper on different Steganography Techniques. 2. A Video Database for Intelligent Video Authentication	Yes	yes				

16	Mr. Ankur Raj	17-18 Feb 2018	1. A Survey paper on different Steganography Techniques. 2. A Video Database for Intelligent Video Authentication	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
17	Mr. Shashikant Singh	17-18 Feb 2018	1. A Survey paper on different Steganography Techniques. 2. A Video Database for Intelligent Video Authentication	ICETEAS 2018	Yes - Springer AISC				SCOPUS, Springer Link, DBLP
18	Ms. Kirti Choudhary	Jan,2018	MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION FOR FLEXIBLE JOB SHOP SCHEDULING PROBLEM	-	yes	0976-6367	-	-	-
19	GeetKalani	17-18 feb 2018	utility of li-fi in railways	Yes	nil	in progress	in progress	in progress	springer
20	GEERIJA LAVANIA	4-5 april 2018	Review of compression standrads: H.264/AVC and H.265/HEVC standrads and their comparison technique	Yes	ICITDA	2321-3469		VOL 12	
21	GARIMA OJHA	17-18 feb 2018	utility of li-fi in railways	Yes	nil	in progress	in progress	in progress	springer
22	AMIT MITHAL	15/10/2017	Novel way of finding initial means in k-means clustering and validation using WEKA	-	YES	-	2456-3307	VOL 2 ISSUE 5	GOOGLE SCHOLAR
23	MANJU VYAS	October 2017	A Review on Software Cost and Effort Estimation Techniques for Agile Development Process		IJRRA		2349-7688	vol 5 issue1	Index Copernicus
		April 2018	Various techniques for Spam Filtering using Machine Learning Algorithms		IJETAE		2250-2459	VOl 8 Special Issue 4	

Table B.5.7.1d: Publication session 2017-18

2016-17

S.No.	Name of Faculty/ Author	Title of Paper	Name of Journal, Volume, Isssue, Year, Page No.
1	Dr..(Prof) Vijay SunghRathore	Model for Teaching Undergraduate-Level Database Management Systems	Communication Technology(ICICT 2018) 27 - 28 February, 2018, Brunel University, London, UK, To Be Published in Spa ringer-AISC Series
		ASMAN Framework: A Framework for Comparison and Selection of SaaS Services	Accepted & Presented in International World Conference on Smart Trends in Systems, Security and Sustainability (WS4 2017) 15 - 16 February, 2017, London, United Kingdom,To Be Published in Springer LNNS Series

		OTCA Approach towards Image Blob Estimation	Accepted & Presented in ICICT – 2016 Second International Congress on Information and Co mmunicat ion Technology 12 - 13 December, 2016 Bangkok, Thailand, To Be published in Conference Proceedings by Springer AISC Series http://www.springer.co m/series
		Improved Google Page Rank Algorithm	Accepted & Presented in ICICT – 2016 Second International Congress on Information and Co mmunicat ion Technology 12 - 13 December, 2016 Bangkok, Thailand, To Be published in Conference Proceedings by Springer AISC Series http://www.springer.co m/series
		Unique Data Model (UDM) for Data Warehouse: Limitations	Accepted & Presented in ICICT – 2016 Second International Congress on Information and Co mmunicat ion Technology 12 - 13 December, 2016 Bangkok, Thailand, To Be published in Conference Proceedings by Springer AISC Series
2	Ms. NeelamChaplot	Chaplot N., Dhyani P., Rishi O.P. (2017) Predictive Approach of CBR in Artificial Intelligence: A Case of Astrological Predictions About the Status of Person. In: Modi N., Verma P., Trivedi B. (eds) Proceedings of International Conference on Communication and Networks. Advances in Intelligent Systems and Computing, vol 508.	Springer, Singapore. Print ISBN 978-981-10-2749-9, Online ISBN 978-981-10-2750-5, DOI 10.1007/978-981-10-2750-5_64.
		NeelamChaplot, Praveen Dhyani, and O. P. Rishi. (2016). Predictive Approach of Case Base Reasoning in Artificial Intelligence: In Case of Astrological Predictions About Famous Personalities. In Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies (ICTCS '16).	ACM, New York, USA, Article, 89. ISBN: 978-1-4503-3962-9 DOI: http://dx.doi.org/10.1145/2905055.2905148
		Astrological Prediction for Profession Doctor using Classification Techniques of Artificial Intelligence"	International Journal of Computer Applications, Volume 122 - Number 15, pp 28-31, DOI : 10.5120/21778-5052, ISSN: 0975 – 8887.
3	Dr. Bhavna Sharma	Tiwari Rishi., Sharma Bhavna "A comparative study of Otsu and entropy based segmentation approaches for lesion extraction", in RTEICT-2016,	Published in IEEE Xplore. DOI: 10.1109/INVENTIVE.2016.7823182
		SaxenaMohit Bansal Priyanka, Sharma Bhavna, "Low error rate based secure sharing of personal health record in cloud computing using DWT steganography" ,8th International Conference on Computational Intelligence and Communication Networks (CICN 2016) published in IEEE Xplore	
		Sharma Bhavna., ShrivastvaDevesh., "Automatic Classification of Hematomas in Brain CT Images using Support Vector Machines in Second International Conference on ICT for Sustainable Development (ICT4SD- 2016) held at Goa, India during 1 - 2 July,2016, LNNS, Springer series.	
4	Mr. Prashant Yadav	"Improved Dynamic Parallel K-Means Algorithm using Dunn's Index Method"	January 17 Volume 5 Issue 1 , International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 342 – 348
5	Ms. ShikhaMaheswari	Improvements in Corpus Quality for Statistical Machine Translation	International Journal for Scientific Research & Development (IJSRD)[ISSN (online): 2321-0613], Volume 2, Issue 05, 2014, Page No 125-127
6	Mr. Rajan Kr. Jha	BATTLE AGAINST PHISHING	International Journal of Recent and Innovation Trends in Computing & Computation -2013 Volume 1,Issue 4
7	Mr. Sachin Gupta	Efficient malicious domain detection using word segmentation and BM pattern matching	Second International Conference on Recent Advances and Innovations in Engineering -2016
8	Mr. ShaileshArrawatia	Conservative multi-generational age based garbage collection with fast allocation	International Journal of Recent and Innovation Trends in Computing 7 Computation -2016 Volume 11,Issue 4 page 143-150
9	Ms. C.JebaNegaCheltha	An innovative Encryption Method for Images using RSA, Honey Encryption and inaccuracy tolerant system using Hamming code	IEEE International Conference ICCPEIC'17 on March 22nd and 23rd March 2017, 978-1-5090-4324-8/17

10	Mr.Arihant Kumar Jain	Review of Offline Handwriting Recognition Techniques in the fields of HCR and OCR	International Journal of Computer Trends and Technology (IJCTT) – Volume 47 Number 3 May 2017
11	Mr. Abhishek Dixit	Hybrid Approach to Search Engine Optimization (SEO) Techniques	Suresh GyanVihar University Journal of Engineering & Technology (An International Bi-Annual Journal) Vol. 1, Issue 2, 2015, pp.1-5 ISSN: 2395-0196
12	Ms.GeetikaGautam	Comparative analysis between Image denoising Algorithm based on Wavelet transform	Proceedings of the 2nd International Conference on Inventive Computation Technologies (ICICT 2017) ©IEEE
13	Ms.RichaUpadhyay	3.Adaptive Thresholding Wavelet based Denoising using Whale Optimization Algorithm	3.IJCAR,ISSN:O:2319-6475,ISSN:P:2319-6505,Impact Factor:SJIF:5.995 Volume 6;Issue 9;September 2017;Page No. 5743-5747
14	Mr. Ankur Raj	Ultrasonic Low Power Energy Aware Acoustic Data Modem for Underwater Data Communication in Underwater WSN	International Journal of Digital Application & Contemporary Research (IJDACR). ISSN: 2319–4863, Volume 02 Issue 11, June- 2014.
		"Scanned Document Compression Technique"	International Journal on Recent and Innovation Trend in Computing and Communication (IJRITCC-2016) January 2016, ISSN: 2321–8369, Volume 04 Issue 11, Jan- 2016.
		"Shadow Detection using DWT with Multi-wavelet Selection & User Configureurable Variance Parameter"	International Journal on Recent and Innovation Trend in Computing and Communication (IJRITCC)ISSN: 2321–8369, Volume 03 Issue 11, Nov- 2015.
15	Ms. KirtiChoudhary	Job Shop Scheduling Algorithms- A Shift from Traditional Techniques to Non-Traditional Techniques	Proceedings of the 10th INDIACom; INDIACom-2016; IEEE Conference ID: 37465,2016 3rd International Conference on "Computing for Sustainable Global Development", 16th - 18th March, 2016
		Approaches to Flexible Job Shop Scheduling Problem - A Survey	International Conference on Information, Communication and Computing Technology,Jagan Institute of Management Studies, New Delhi
		Particle Swarm Optimization: A Detailed Study in reference to Job Shop Scheduling and Flexible Job Shop Scheduling	INTERNATIONAL JOURNAL OF computer application {ISSN NO.:2250-1797, impact FACTOR*: 3.12 (2015)}
		Particle Swarm Optimization Approach for Scheduling of Flexible Job Shops	International Journal of Engineering Research & Technology (IJERT),Vol. 1 Issue 5, July - 2012,ISSN: 2278-0181
		Wide area of Expert system in artificial intelligence	
		"Three Tier architecture of Data Warehouse".	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)
		"Real Time Toll Rate Determination Using Image Processing & Network Database".	International journal of computer science(IJCS)
		Modified Round Robin Algorithm	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)
16	Anoop Mehta	Controlling Spread of Rumor using Neighbor Centrality	ActaPhysicaPolonica B, Volume 47, October 2016, pp. 2325-2339.
17	Ashima Tiwari	Security Issues In MANET and Black Hole Attack : A review	International Journal of Engineering Research & Technology (IJERT) , Vol. 2 Issue 11, ISSN: 2278-0181, November - 2013
18	Hemlata Soni	Twin wavelet frame difference based multiple moving objects detection and tracking surveillance applications	IEEE Explore ICRAIE 2016

Table 5.7.1 e: Publication session 2016-17

2015-16

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE, JAIPUR

Department: Computer Science and Engineering **Session:2015-16**

Publication

S#	Faculty	Date of publication	Paper title	ISSN	E-ISSN	Volume/Issue	Source & Indexing
1	Mr. Prahalad Sharma	August-2015	A Novel Approach For web Page Ranking Based on Weights of links	2321-8169	NIL	Volume: 3 Issue: 8, PP: 5268 – 5272	NIL
2	Mr. Prahalad Sharma	Apr 2016	An Enhanced Page Ranking Algorithm Based on Weights and Third level Ranking of the Webpages	2231-2803	NIL	Volume 34 Number 1	NIL
3	Mr. Sachin Gupta	Dec 2016	Efficient malicious domain detection using word segmentation and BM pattern matching algorithm	5090-2806	978-1-5090-2807-8		IEEE
4	Mr. ShaileshArrawatia	Nov, 2016	Conservative Multi-Generational Age-Based Garbage Collection with Fast Allocation	2321-8169		Volume: 4 Issue: 11, PP: 143 – 150	RESEARCHERID THOMSON REUTERS, cross ref, worldjournalAlerts, Academia.edu,Google Scholar
5	Mr. Ankur Raj	Nov,2015	Shadow Detection using DWT with Multi-Wavelet Selection & user	ISSN: 2321-8169	ISSN: 2321-8170	Volume: 3 Issue: 11	6422 - 6426
		Jan,2016	Scanned Document Compression Technique	ISSN: 2321-8169	ISSN: 2321-8170	Volume: 4 Issue: 1	103 - 108
6	Ms. KirtiChoudhary	March,2016	Job Shop Scheduling Algorithms- A Shift from Traditional Techniques to Non-Traditional Techniques	-	IEEE Conference ID: 37465	-	-
7	Mr. Amit Mithal	Nov, 2015	A Graceful Motion of Robot using SLAM and Kalman Filter				Elixir International Journal - November 2015
8	Mr. Prahalad Sharma	August 2015	A Novel Approach For web Page Ranking Based on Weights of links			.	(IJRITCC) International Journal on Recent and Innovation Trends in Computing and Communication, pp. 5268-5272, volume: 3 Issue: 8-August-2015
9	Ms. Neelam Chaplot	2015	Astrological prediction for profession using classification techniques of AI		IEEE Conference		IEEE Conference ISBN 978-1-4799-8889-1

Table 5.7.1f: Publication session 2017-18

E. Course Development

S.no	Faculty Name	Course	Duration	Year
1	Dr. Sanjay Gaur	Digital Marketing	7 days	CAY
2	Dr. NilamChoudhary	Latex & Python	6 Days	CAY
3	Mr. Mohit Jain	Programming Exercise	15 Days	CAY
4	Ms. Geetika Gautam	Writing Review Papers	10 Days	CAY

Table 5.7.1g: Course Development

5.7.2. Sponsored Research (5)

- *Funded research:*

(Provide a list with Project Title, Funding Agency, Amount and Duration)

Funding amount (Cumulative during CAYm1, CAYm2 and CAYm3):
Amount >20 Lakh – 5 Marks
Amount >= 16 Lakh and <= 20 Lakh – 4 Marks
Amount >= 12 Lakh and < 16 Lakh – 3 Marks
Amount >= 8 Lakh and < 12 Lakh – 2 Marks
Amount >= 4 Lakhand< 8 Lakh – 1 Mark
Amount <4 Lakh – 0 Mark

2017-2018: NIL

2016-17: NIL

2015-16:

Name of PI	Project Title	Duration	Funding Agency	Amount
Mr. Mukesh Agarwal	Validation and Scientific basis of meditation and omnics to cure various diseases and their role as therapeutic targets.	3 years	DST CSRI	42,56,500/-

Table B.5.7.2: Sponsored Research Details

5.7.3. Development activities (10)

Provide details:

- *Product Development*
- *Research laboratories*
- *Instructional materials*
- *Working models/charts/monograms etc.*

S.No.	Project Title	Team Members	Description
1	Try A-Gain...JINDA-DIL-KHEL	Diwanshu Soni, Ayush Khandelwal, Aman Vijay, Divyang Bhargava, Aniket Dixit and Apoorva Agrawal under the kind guidance of Prof. (Dr.) Vijay Singh Rathore, Head- CSE & Ms. ShikhaMaheshwari, Assistant Professor, CSE, JECRC	The Anti Blue Whale Game i.e. "Try A-Gain...JINDA-DIL-KHEL" which gives hundreds of reason to live the life with the smile while connecting users to their roots.
2	Handy application to connect farmers	Tarun Jain, Sankalp Gupta, Vivek Gupta, Vinayak Parashar, Atul Dada, Shubham Sharma	Project aims to build a handy application to connect farmers directly to their target consumers like retailers. Which removes the middleman cost involved in the transmission chain? The algorithm of the application ensures that retailers or wholesalers to get the items from the farmers which are at nearest distance and providing overall least cost. It is developed in Smart India Hackathon 2017 for Ministry of Food Processing.
3	Department of Rural Development	Vishnu Singh, Chitrangana Singh, Samarth Paboowal, Ankush Goyal, Lokesh Devnani, Priyanka Goyal	The App ensures fund transfer and flow from banks to all rural areas also ensure the validity of the same
4	The Ultimates	Tejasv Kulshrestha, Srishti Jain Utkarsh Mundra, Umesh Kumar	This App provides the information about the availability of seats in the bus at the upcoming stations.
5	Krishi Labh	Deekshant Mamodia, Astha Koul ShubhamSharma,ApurviMansingh ka,Atul Dada	This app is for the framer which describes the techniques and process for how to do best farming.
6	ISeeu	Nakul Joshi,Pallavi Agarwal, MeenalJain,SejalJain,Priyanka Maheshwari ,Lakshya Khandelwal	This app is based on AI Technology which is used for face detctetion of person with all details

Table B.5.7.1.3a: Product Development

Research laboratories

S.No	Name of Faculty	Research lab name	Faculty member/Student name
1	Dr.Vijay Singh Rathore	CP-1	Mr. Sandeep Sharma Ms. Aparajita Dixit
2	Dr.Vijay Singh Rathore	CP-2	Ms. Savita Sharma Ms. Mamta Dadhich
3	Dr.Sanjay Gaur	CP-3	Mr.NKTanna Ms.Darshanapandya
4	Dr.Sanjay Gaur	CP-4	Mr.BaaweshKumawat Ms. Kanchan Parihar

Table B.5.7.1.3b: Research laboratories

Instructional materials

- **Course file:**

Each & every faculty prepare course wise lecture schedules, resource material and other related instr uction material before commencement of semester and is added to moodle. The students can login an d access the content though internet.

- **PowerPoint Presentation:**

Content wise instruction material is developed including PPT presentations, for all the courses prior t o the commencement of each semester which is monitored by course coordinators.

- **Hand Outs:**

Where ever necessary, additional material and hand outs are prepared and the same is made a vailable to students through Moodle.

- **Laboratory manuals:**

Laboratory manuals: are prepared and Laboratory instruction is given through Lab manuals at the be ginning of each semester and demonstration classes are delivered for better understanding of concept s behind laboratory experiment.

Working models/charts/monograms etc.

- Relevant Charts are displayed in all Laboratories so that realization becomes easy for the students
- A project model competition titled "J-TechTrix" held every year for students to enhance their interpersonal and intrapersonal skills.
- The department has many models created by students and are been displayed in Laboratories. Thi s prototype models helps the students to understand the working of basics and recent technologies in a better manner.

5.7.4. Consultancy (from Industry) (5)

(Provide a list with Project Title, Funding Agency, Amount and Duration)
Funding amount (Cumulative during CAYm1, CAYm2 and CAYm3):
Amount >10 Lakh – 5 Marks
Amount >= 8 Lakh and <= 10 Lakh – 4 Marks
Amount >= 6 Lakh and <8 Lakh – 3 Marks
Amount >= 4 Lakh and <6 Lakh – 2 Marks
Amount >= 2 Lakh and <4 Lakh – 1 Mark
Amount <2 Lakh – 0 Mark

2017-18

S.No	Name	Project Title	Funding Agency	Amount	Duration
1	Dr. Vijay Singh Rathore	Indian Higher Education Knowledge Delegation to UK	GR Foundation	3,60,000	July,2017

Table B.5.7.1.4a: Consultancy Details 2017-18

2016-17

S.No.	Name	Project Title	Funding Agency	Amount	Duration
1	**Mr. ShaileshArrawatia**, Assistant Professor in Computer Science Engineering Department and **Mr. Sunil Bhardwaj**, System Administrator	Services for establishing the Computer Networking	Therachem Research Medilab(I) Pvt.Ltd	Rs.16,000/-	01/04/2016 to 30/04/2016.
2	**Mr. Mukesh Agrawal and Mr. RajanJha,** Assistant Professor along with Mr. **Bhupendra Singh**, Lab Technician	Services for setting up of Computer Lab 15	JECRC University	Rs: 21,000/-	01/05/2016 to 30/06/2016.
3	**Ms. ShikhaMaheshwari** and **Ms. Richa Sharma**, Assistant Professor along alongwithMr. **KaushalendraNagoria**, Lab Technician	Services for setting up of Computer Lab 16	JECRC University	Rs: 22,000/-	01/05/2016 to 30/06/2016.
4	**Mr. Sachin Gupta, Mr. Buddhi Prakash**, **Mr. PrahaladSharma**alongwith**Mr. Shyam Sunder Sharma,**Lab Technicians	Services for setting up of Networking facility in labs CP-15,16	JECRC University	Rs: 22,500	01/05/2016 to 30/06/2016
5	**Mr. Abhishek Dixit**, Assistant Professor along with **Mr. TovindraSahu**, Lab Technician	Services for installation of CCTV cameras	JECRC University	Rs.12,500/-	01/04/2016 to 30/05/2016.
6	Mr. Kishan Sharma and Mr. Bir Singh**,** Lab Technician	consultant for setting up of Wi-Fi in Boys Hostel-3	JECRC University	Rs: 10,000/-	01/05/2016 to30/06/2016.
7	Mr. Anil Sharma and Mr. Atul Sharma Lab Technician	consultancy for Wi-Fi Setup in Girls Hostel	JECRC University	Rs: 12,500/-	01/05/2016 to 30/06/2016.
				Total :116,500	

Table B.5.7.1.4b: Consultancy Details 2016-17

2015-16

S.No.	Name	Project Title	Funding Agency	Amount	Duration
1	**Mr. Mukesh Agrawal and Mr. Prashant Yadav,** Assistant Professor **Mr. Anil Sharma**, Lab Technician	setting up of Computer Lab 8	JECRC University	Rs: 24,500 /-	01/05/2015 to 30/06/2015
2	**Ms. NeelamChaplot and Ms. ShikhaMaheshwari,** Assistant Professor **Mr. Shyam Sunder Sharma**, Lab Technician	Services for setting up of Computer Lab 9	JECRC University	Rs: 25000/ -	10/05/2015 to 10/07/2015.
3	**Mr. Amit Mithal and Mr. Abhishek Dixit,** Assistant Professor **Mr. Bhupendra Singh**, Lab Technician	Services for setting up of Computer Lab 10	JECRC University	Rs:27, 500/-	01/05/2015 to 30/06/2015.
4	**Mr. Sunil Bhardwaj**, System Administrator along with Mr. **TovindraSahu, Mr. Atul Sharma, Mr. KaushlendraNagoria**, Lab Technician	Services for Networking facility in labs CP-8,9,10	JECRC University	Rs: 30,000	21/05/2015 to 20/07/2015.
			Total: Rs. 1,07,000		

Table B.5.7.1.4c: Consultancy Details 2015-16

5.8. Faculty Performance Appraisal and Development System (FPADS) (30)

Faculty members of Higher Educational Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, Faculty members need to innovate and conduct research for their self-renewal, keep abreast with changes in technology, and develop expertise for effective implementation of curricula. They are also expected to provide services to the industry and community for understanding and contributing to the solution of real life problems in industry. Another role relates to the shouldering of administrative responsibilities and co-operation with other Faculty, Heads-of-Departments and the Head of Institute. An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance.The assessment is based on:

- *A well-defined system for faculty appraisal for all the assessment years (10)*
- *Its implementation and effectiveness (20)*

Jaipur Engineering College and Research Centre, Jaipur

FACULTY APPRAISAL FORM (Session 2017-18)

For best faculty award

Total 200 points

Name of Faculty Member: Department:

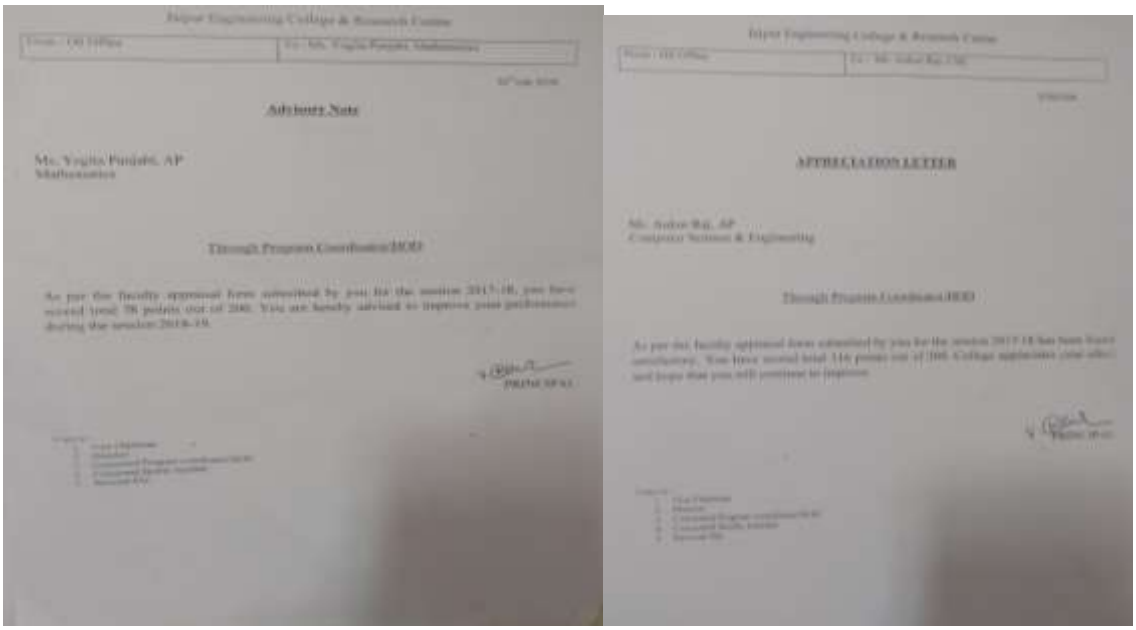
Designation:

S. No.	Item Name	Maximum Points	Points obtained
1	Academic result 30 points average (90% students having more than 70% : 30 points, 80-89% students having more than 70% result: 27 points, 70-79% students having more than 70% result: 24 points, 60-69% students having more than 70% result: 21, 60-69% students having more than 60% result: 18 points, 50-59% students having more than 60% result: 15 points else ZERO) Example: Theory Subject / Points obtained Sub-1: 30 Sub-2: 27 Sub-3: 0 Sub-4: 18 Average points scored: **75/4 i.e. 18.75** **No marks for Labs subjects**	30	
2	Research Publication 20 points average (1 sci indexed publication: 10 points, 1 publication having ISSN number : 5 points, Else ZERO)	20	
3	Faculty development programme 10 point average (one faculty development programme minimum 5 days attended 5 points, 2 points for attending 2 days workshop, subject to maximum of 10)	10	
4	International / National conference 10 points average (5 points for attending International, 3 points for attending National of repute, 2 points for National conference)	10	
5	Research grant average 20 points for having grant of more than 5 lakh, if only project submitted to DST/other govt agency: 10 points, subject to maximum 20	20	
6	Patent 10 points / Product development / startup 10 points	10	
7	New Skills / additional specialization / certification course	25	
8	Innovation in teaching learning, video lecture, online MOOCs, Online notes uploading, any other 20 points	20	
9	Technical activity organized 5 points	5	
10	Participation in social responsibility 5 points / activity subject to maximum of 10	10	
11	Institute level activity organized 5 points, participation 2 points subject to maximum of 5	5	
12	Any award received, session chair in conference, guest lecture, invited talk, etc. 5 points	5	
13	HOD recommendation maximum 30 points (Departmental responsibility 2 points, NBA related activity 5)	30	
	Total	200	

Note: HOD will verify the documentary proof. Signature of Faculty

Signature of HOD

Based on the Above API report faculty members are given appreciation/advisory Format for same is mentioned below



Advisory noteAppreciation letter

5.9. Visiting/Adjunct/Emeritus Faculty etc. (10)

Adjunct faculty also includes Industry experts. Provide details of participation and contributions in teaching and learning and /or research by visiting/adjunct/Emeritus faculty etc. for all the assessment years:

- *Provision of inviting/having visiting/adjunct/emeritus faculty (1)*
- *Minimum 50 hours per year interaction with adjunct faculty from industry/retired professors etc.*

(Minimum 50 hours interaction in a year will result in 3 marks for that year; 3 marks x 3 years = 9 marks)

Jaipur Engineering College and Research Centre Department of Computer Science and Engineering Details of Adjunct Faculty, Workshop 2017-18					
S.No	**Name of Faculty**	**Involvement in Conference/Seminar/Workshop**	**Duration**	**Total Teaching hours**	**Whether the subject covers the RTU Syllabus or**
1	Mr. Vimal Daga	Big Data	28Oct 2017	1 Day	Beyond Syllabus
2	Mr. Vimal Daga	Machine Learning	9th feb2018	1 Day	VI Sem. AI
3.	Mr. Kaushal Kumar		20 Dec. 2017	12 Hrs. in one month (12*3=36Hrs)	4th and 3th Semesters
4.	Dr. KushumRajawat	Cyber Security	20 Dec. 2017	12 Hrs. in one month (12*3=36Hrs)	7th and 8th Semesters
5.	Prof.(Dr.) Naveen Hemrajani	IOT	19th Dec. 2017	12 Hrs. in one month (12*3=36Hrs)	5th and 6th Semesters

Table B.5.9a: Details of Adjunct/Visiting Faculty 2017-18

Jaipur Engineering College and Research Centre Department of Computer Science and Engineering Details of Adjunct Faculty 2016-17					
S.No	**Name of Faculty**	**Involvement in Conference/Seminar/Workshop**	**Duration**	**TotalTeaching hours**	**Whether the subject covers the RTU Syllabus or**
1	Dr. KushumRajawat	Cyber Security	10 Dec. 2016	12 Hrs. in one month (12*3=36Hrs	8th and 7th Semesters
2	Prof.(Dr.) Naveen Hemrajani	IOT	5th Dec. 2016	12 Hrs. in one month (12*3=36Hrs	8th and 7th Semesters
3	Mr. Kaushal Kumar		20 Dec. 2017	16 Hrs. in one month (12*3=36Hrs	4th and 3th Semesters
4	Mr. Michael Canon Chief Operating Officer, Axelerant Technologies,	International Workshop on Open Source Software,	10-09-2016	3 Hours	On Open Source technology tools (7 Sem web design lab)
6	Mr. Nathan Roach (Japan), Content marketing associate,	International Workshop on Open Source Software,	10-09-2016	3 Hours	Drupal Tool (Course beyond Syllabus)
7	ShriKaushal Kumar, Technical Manager, e-Infochips, Ahmedabad – 380 006.	Technical Session on Internet of Things	October 15, 2016	6 Hours	Course beyond Syllabus
8	Mr. Vimal Daga Linux World Pvt. Ltd. Jaipur	Workshop on Big Data	21/01/2017	6 Hours	Bridging gap between academics & Industry

Table B.5.9b: Details of Adjunct/Visiting Faculty 2016-17

Jaipur Engineering College and Research Centre Department of Computer Science and Engineering Details of experts from industry 2015-16					
S.No	**Name of Faculty**	**Involvement in Conference/Seminar/ Workshop**	**Duration**	**Total Teaching hours**	**Whether the subject covers the RTU Syllabus or additional to Syllabus**
1	Mr. NavneetTiwari	Microsoft Certification Summer training Program in .NET	25-05-2015 to 24-07-2015	3 Hours daily	7B.Tech.7A(Web Designing),this covers User interface design, styles and themes
2	Mr. RanjanChhetri	Microsoft Certification Summer training Program in Android	25-05-2015 to 24-07-2015	3 Hours daily	Bridging gap between academics & Industry
3	Mr. Abhishek Singh Rathore	Microsoft Certification Summer training Program in Core Java	25-05-2015 to 24-07-2015	3 Hours daily	6B.Tech.7A(Java) It includes basic java programming language
4	Mr. Aditya Kumar	Microsoft Certification Summer training Program in Advance Java	25-05-2015 to 24-07-2015	3 Hours daily	6B.Tech.7A(Java) It includes advanced java programming such as servlet and applet

5	Mr. AshishRathore	Microsoft Certification Summer training Program in Embedded & Robotics with AVR Controller	25-05-2015 to 30-05-2015	3 Hours daily	Bridging gap between academics & Industry
6	Mr. Amit Kumar Faculty, SigmatechInfotech , Jaipur	PHP &MySQL Training Program	13-07-2015 to 25-07-2015	40 hours	5B.Tech.4A(DBMS) It Covers basic and Advanced SQL queries in addition to PHP
7	Mr. Khawar Butt Senior Network Consultant, Synergy Network Ltd.	Seminar on Networking	07-10-2015	4 Hours	6B.Tech1A.(Networking) It Covers advanced networking tools and techniques and its practical knowledge
8	FACE	Pre Placement training Program by FACE	12-10-2015 to 14-10-2015	18 Hours	Bridging gap between academics & Industry
9	Mr.RakeshJangid (Cloubia Technologies Pvt. Ltd.)	Workshop on Big Data & Hadoop	11-01-2016	4 hours	Bridging gap between academics & Industry
10	Ms. Richa Mehta (Appin technologies Lab, Jaipur)	Seminar on Respberry-Pi	27-02-2016	4 hours	Bridging gap between academics & Industry

Table B.5.9c: Details of experts from industry 2015-16

Criteria 6

FACILITIES AND TECHNICAL SUPPORT

(80)

6. FACILITIES AND TECHNICAL SUPPORT (80)

6.1 Adequate and well equipped laboratories, and technical manpower (30)

ODD SEMESTER-2017-18

Sr. No	Lab No.	Name of the Laboratory	No. of students per setup(Batch size)	Name of the Important equipment	Weekly utilization status (all the courses for which the lab is utilized	Name of the technical staff	Designation	Qualification
1	CP LAB 1	3rd semester Data Structures Lab/ 7TH Sem – Web Designing Lab	24 (Available 32 PC)	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)	33	Kaushalendra Nagoria	Sr. Lab Instructor	MCA
2	CP LAB 2	7thSem-Compiler Construction/Web Designing Lab	24 (Available 28 PC	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher) Software- Ubuntu, Windo, , Acrobat reader, Winrarws XP, Java, Turbo C++	33	Tovindra Kumar Sahu	Sr. Lab Instructor	MCA

3	CP LAB 3	5thSem-System Design in UML Lab/	24 (Available 28 PC	HCL 18.5" LED,Intel Core i3-3220 3.30 Ghz, Intel H61 Chipset,320 GB SATA, 2X2 DDR3 RAM, 10/100/1000 Lan, DVD RW Software- Ubuntu, Windows XP, Java, gcc, Model Sim, Acrobat reader, Winrar	27	Atul Sharma	Lab Tech.	MCA
4	CP LAB 4	5thSem-Database Lab)	24 (Available 28 PC	HCL 18.5" LED,Intel Core i3-3220 3.30 Ghz, Intel H61 Chipset,320 GB SATA, 2X2 DDR3 RAM, 10/100/1000 Lan, DVD RW Software- Windows XP, Oracle 10g, My Sql , Acrobat reader, Winrar	27	Bhupendra Singh	Lab Tech.	PGD CA
5	CP LAB 5	Digital Library	(Available 10 PC	Intel(R) Core(TM) i5-2400 CPU @ 3.10GHz (4 CPUs), 3.1GHz, DH61WW MB, NVIDIA GeForce 210 Graphics Card, 8 GB DDR3 RAM, Segate HDD 500 GB SATA, Logitech USB MM KB, Logitech USB Mouse, LG DVD RW, Samsung SA-300 19.5" LED Software- Windows 8, MS office Professonla, Acrobat reader, Winrar	18	RamkeshMeena	Lab Tech.	M.Com
6	CP LAB 6	3Rd SEM-Unix shell programming lab/ 5thsem-operating System Simulation Lab	24 (Available 28 PC	HCL PIV 3.0 HT, 512 DDRII, HDD80, 17" TFT, HCL USB Keyboard, HCL USB Mouse, Asus 865/915 MB software- Ubuntu, Windows XP, Java, Turbo C++, , Acrobat reader, Winrar	24	RamkeshMeena	Lab Tech.	M.Com

7	CP LAB 7	3rdSem-C++ Programming Lab	24 (Available 28 PC	HCL PIV 3.0 HT, 512 DDRII, HDD80, 17" TFT, HCL USB Keyboard, HCL USB Mouse, Asus 865/915 MB Software's- Ubuntu, Windows XP, Java, gcc, Model Sim, Xiline, , Acrobat reader, Winrar	27	ShyamSundar Sharma	Lab Tech.	MCA
8	CP LAB 8	5thSem-Operating System Simulation Lab	24 (Available 28 PC	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)Software- Windows XP, Oracle 10g, My Sql , Acrobat reader, Winrar	27	Narendra Uchanniya	Lab Tech.	DCA
9	IBM LAB	7THSem – Project Lab	64	HCLIntel core(TM)i3 3220 CPU@3.10Ghz, 3300MHz 2Core(s),2 Logical Pro. . 4GB DDR3 RAM, 320 GB SATA HDD,DVDRW, HCL 18.5" LED, USB KB & Mouse, Software- Windows 8, MS office Professonla, Acrobat reader, Winrar	18	MukeshChandel	Lab Tech.	M.Sc. (CS)
10	CP LAB 21	7THSem Web Desining Lab/ 5thSem-Digital Hardware Design Lab	24 (Available 28 PC	HCL Dual-core E-5500@2.80Ghz, G-41 Intel Chipset MB, 2GB DDR3 RAM, SATA 160 GB HDD, DVD RW, HCL MM PS 2 KB, HCL USB OPTICAL Mouse, HCL 18.5" wide LCD with speaker Software- Windows XP, Java, Acrobat reader, Winrar	33	DashrathVerma	Lab Tech.	B.Tech.

11	CP LAB 22	7thSem-VLSI - Physical Design Lab	24 (Available 28 PC	HCL Dual-core E-5500@2.80Ghz, G-41 Intel Chipset MB, 2GB DDR3 RAM, SATA 160 GB HDD, DVD RW, HCL MM PS 2 KB, HCL USB OPTICAL Mouse, HCL 18.5" wide LCD with speaker Software- Windows XP, Java, Acrobat reader, Winrar	27	Anil Kumar Sharma	Lab Tech.	PGD CA

Table B.6.1a: Odd Semester 2017-18

Even Semester (2017-18)

Sr. No	Lab No.	Name of the Laboratory	No, of students per setup(Batch size)	Name of the Important equipment	Weekly utilization status (all the courses for which the lab is utilized	Technical Manpower Support		
						Name of the technical staff	Designation	Qualification
1	CP LAB 1	6th Sem-Design & Analysis Algorithm Lab/ Computer Graphics Lab	24	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)Ubuntu, Windows XP, Java, Turbo C++, , Acrobat reader, Winrar	33	Kaushalendra Nagoria	Sr. Lab Instructor	MCA
2	CP LAB 2	4th Sem Business Entrepreneurship Development Lab	24	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)Software-Ubuntu, Windo, ,Acrobat	12	Tovindra Kumar Sahu	Sr. Lab Instructor	MCA

				reader, Winrarws XP, Java, TurboC				
3	CP LAB 3	8th Sem – FPGA Lab/ 6th Sem- Humanities and Social Sciences	24	HCL 18.5" LED,Intel Core i3-3220 3.30 Ghz, Intel H61 Chipset,320 GB SATA, 2X2 DDR3 RAM, 10/100/1000 Lan, DVD RW Software- Ubuntu, Windows XP, Java, gcc, Model Sim, Acrobat reader, Winrar	33	Atul Sharma	Lab Tech.	MCA
4	CP LAB 4	8thSem- Digital Image Processing Lab/ 6THSem – HSS	24	HCL 18.5" LED,Intel Core i3-3220 3.30 Ghz, Intel H61 Chipset,320 GB SATA, 2X2 DDR3 RAM, 10/100/1000 Lan, DVD RW Software- Windows XP, Oracle 10g, My Sql , Acrobat reader, Winrar	30	Bhupendra Singh	Lab Tech.	PGDCA
5	CP LAB 5	Digital Library	10	Intel(R) Core(TM) i5-2400 CPU @ 3.10GHz (4 CPUs), 3.1GHz, DH61WW MB, NVIDIA GeForce 210 Graphics Card, 8 GB DDR3 RAM, Segate HDD 500 GB SATA, Logitech USB MM KB, Logitech USB Mouse, LG DVD RW, Samsung SA-300 19.5" LED Software- Windows 8, MS office Professonla, Acrobat reader, Winrar	18	RamkeshMeena	Lab Tech.	M.Com
6	CP LAB 6	8thSem- UNPS Lab/ 6thSem- Computer Graphics Lab	24	HCL PIV 3.0 HT, 512 DDRII, HDD80, 17" TFT, HCL USB Keyboard, HCL USB Mouse, Asus 865/915 MB Software- Ubuntu, Windows XP, Java, Turbo C++, , Acrobat reader, Winrar	33	RamkeshMeena	Lab Tech.	M.Com
7	CP LAB 7	6thSem-JAVA Lab/ Computer Graphics Lab	25	HCL PIV 3.0 HT, 512 DDRII, HDD80, 17" TFT, HCL USB Keyboard, HCL USB Mouse, Asus 865/915 MB Software's- Ubuntu, Windows XP, Java, gcc, Model Sim, Xiline, , Acrobat reader, Winrar	33	ShyamSundar Sharma	Lab Tech.	MCA

8	CP LAB 8	6th Sem- CASE Lab/ 4th Sem- BED Lab	25	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX	33	Narendra Uchanniya	Lab Tech.	DCA
9	IBM LAB	8th Sem – Project Lab	64	HCL 18.5" LED,Intel Core i3-3220 3.30 Ghz, Intel H61 Chipset,320 GB SATA, 2X2 DDR3 RAM, 10/100/1000 Lan, DVD RW Software- Windows XP, Java, gcc, Acrobat reader, Winrar	18	Mukesh Chandel	Lab Tech.	M.Sc. (CS)

Table B.6.1b: Even Semester 2017-18

Jaipur Engineering College Research Centre, Jaipur				
COMPUTER ENGINEERING DEPARTMENT				
AREA of LAB				
S.No	**Name**	**Name of Course**	**Name of the Laboratories**	**Total area of Lab**
1	Computer Lab-1	B.Tech. Computer Engineering	B.Tech. Computer Lab-1 GROUND FLOOR (Main Building)	7.5*7.5=56.25sq.m

Table B.6.1c: Area of lab

List of Equipments and its Configuration

S.No.	Equipment Name	Brand	Model No.	Specification	Vendor	Invoice No.	Date	Qty	Rate	Amount	Location
1	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505512	11-02-2013	4	23520	94080	CP1
2	Computer System	HCL	Infiniti L A 380 PRO	i3 System	HCL Infosystems Ltd.	6000058524	28-06-2011	28	20550	575400	CP1
3	Network Switch	Cisco	Cisco SF-300	48 Port	Alliance Technologies	297/2011-12	01-10-2011	1	20400	20400	CP1
4	Network Switch	Linkksys	SLM-224 G2	24 Port	Alliance Technologies	297/2011-12	01-10-2011	1	9800	9800	CP1
5	Patch Panel	Dlink		24 Port	Alliance Technologies	297/2011-12	01-10-2011	3	4350	13050	CP1
6	Network Rack	COMRack		9U Rack	Alliance Technologies	298/2011-12	01-10-2011	1	4800	4800	CP1
7	OnLine UPS	DB	HN	15 KVA	Computer Media	CM/08-09/253	25-03-2009	1	187200	187200	CP1-2
8	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505513	11-02-2013	28	23520	658560	CP19
9	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505512	11-02-2013	28	23520	658560	CP2
10	Computer System	HCL	Infiniti L A 380 PRO	i3 System	HCL Infosystems Ltd.	6000058524	26-06-2011	3	20550	61650	CP20
11	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505512	11-02-2013	7	23520	164640	CP20
12	Computer System	HP	HP 202	i3 System	Surbhi Electronet Pvt Ltd	224	13-01-2015	14	33285	465990	CP20
13	Computer System	Compaq	E5200	Dual Core	Cyber Space	481	21-09-2009	4	20748	82992	CP20
14	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505513	11-02-2013	28	23520	658560	CP21
15	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505512	11-02-2013	28	23520	658560	CP3
16	Projector	Sanyo	PCL XD 2600	LCD Projector	Hindustan Communication	91	15-07-2011	1	32000	32000	CP3
17	OnLine UPS	DB	HN	10 KVA	Computer Media	CM/08-09/253	25-03-2009	1	140400	140400	CP-3-4

18	Projector	Sanyo	PCL XD 2600	LCD Projector	Hindustan Communication	91	15-07-2011	1	32000	32000	CP4
19	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505512	11-02-2013	28	23520	658560	CP4
20	Projector	Sanyo	PCL XD 2600	LCD Projector	Hindustan Communication	91	15-07-2011	1	32000	32000	CP5
21	Motorize Screen			Screen	Hindustan Communication	91	15-07-2011	1	7500	7500	CP5
22	Computer System	Assembled	i5 System	i5 System	Surbhi Electronet Pvt Ltd	501	23-02-2012	10	35200	352000	CP5
23	Computer System	HCL		P4 System	HCL Infosystems Ltd.	6090000279	28-06-2006	28	26989	755699	CP6
24	OnLine UPS	DB	HN	10 KVA	Computer Media	CM/08-09/253	25-03-2009	1	140400	140400	CP6
25	Computer System	HCL		P4 System	HCL Infosystems Ltd.	6090000279	28-06-2006	28	26989	755699	CP7
26	Computer System	HCL	Infiniti L A 380 PRO	i3 System	HCL Infosystems Ltd.	6000058524	26-06-2011	23	20550	472650	CP8
27	Computer System	HCL	Infiniti L A 380 TRU	i3 System	HCL Infosystems Ltd.	3239505513	11-02-2013	5	23520	117600	CP8
28	Online UPS	Numeric	15 KVA	15 KVA	Micro Power Solutions	25	06-11-2012	1	166000	166000	IBM & CP7
29	Computer System	HCL	Infiniti L A 330 Pro	i3 System	HCL Infosystems Ltd.	6000001646	03-08-2010	50	17940	897000	IBM Lab
30	Computer System	HCL	Infiniti L A 330 Pro	i3 System	HCL Infosystems Ltd.	6000003475	14-08-2010	14	18787	263012	IBM Lab
31	Server	IBM	IBM P Series server P505	AIX Server	Invention Digital System	IDS/2006-2007/1082	05-03-2007	1	227000	227000	Server Room
32	Server	IBM	IBM X 226 Server 8648 IZS	Server	Invention Digital System	IDS/2006-2007/0492	27-09-2006	4	65000	260000	Server Room
33	Firewall	Cyberoam	CR-1500 NGXP-FB	H/W Firewall	Rajasthan Network Solutions	RNS/2015-16/128	19-10-2015	1	395220	395220	Server Room
							Grand Total=10018983				

Table B.6.1d: List of Equipments

List of Softwares in Lab

S.No.	Description	Type	Qty	Vendor	Bill Date	Valid Till	Bill No.	Total Amount
1	MSDN Academic Alliance 7.0 AE	S/W	1	Kamtron Systems Pvt. Ltd.	11-07-2007	31-05-2013	134	36400.00
2	Tally ERP 9.0	S/W	1	Arihant Computers	21-09-2010	Lifetime	SEP/296	30000.00
3	E-Scan Internet Security for SMB	S/W	700	MicroWorld Software Service Pvt. Ltd.	03-05-2011	03-05-2014	NTL/0159	227498.00
4	MS Win Starter 7 SNGL OLP Acdmc	S/W	50	Surbhi Electronet Pvt Ltd	17-02-2012	31-01-2014	485	124850.25
5	Digital Language Lab Software	S/W	2	Biyani Technologies	05-05-2013	Lifetime	10512	131250.00
6	Autodesk Autocad 2014 Academic SLM	S/W	30	Allianz CAD Solutions	08-08-2013	Lifetime	ACS/RI/13-14/00102	226800.00
7	Quick Heal Endpoint Security Business With Antispam	S/W	400	RNS Infotech	27-09-2014	26-09-2017	RNS/2014-15/111	159999.00
8	Matlab	S/W	30	Designtech System Ltd.	20-03-2015	Lifetime	PNQ/1415/12061	425768.70
9	Simulink	S/W	30	Designtech System Ltd.	20-03-2015	Lifetime	PNQ/1415/12061	212865.45
10	Signal Processing Toolbox	S/W	30	Designtech System Ltd.	20-03-2015	Lifetime	PNQ/1415/12061	170284.80
11	DSP System Toolbox	S/W	30	Designtech System Ltd.	20-03-2015	Lifetime	PNQ/1415/12061	170284.80
12	Control System Toolbox	S/W	30	Designtech System Ltd.	20-03-2015	Lifetime	PNQ/1415/12061	170284.80
13	Neural Network Toolbox	S/W	30	Designtech System Ltd.	20-03-2015	Lifetime	PNQ/1415/12061	170284.80
14	Communication System Toolbox	S/W	30	Designtech System Ltd.	20-03-2015	Lifetime	PNQ/1415/12061	170284.80
15	Cyberoam CR-1500 NGXP-FB	S/W	1	Rajasthan Network Solutions	19-10-2015	Lifetime	RNS/2015-16/128	351750.00
16	Fiber Module MWX-01G-08F	S/W	1	Rajasthan Network Solutions	19-10-2015	Lifetime	RNS/2015-16/128	43470.00
17	Cyberoam NGXP-F36 (3 Yr Subscription)	S/W	1	Rajasthan Network Solutions	19-10-2015	19-10-2018	RNS/2015-16/129	513850.00
18	WINEDU ALNG Upgrad SAPk OLVE 1 Y Acdmc Ent KW5-00359	S/W	200	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	450448.00
19	Office 365 Plus Open Faculty ShrdSvr ANGSOLVE S3Y-00001	S/W	200	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	323510.40

20	WIN IntuneOpnhrdSvrANGSubs VLOVL ELIC - 3LN-00001	S/W	200	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	88740.70
21	WINHOME10SNGOL{ NLAE Legal GGS ELIC-KW9-0031	S/W	215	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	1725102.00
22	WinsvrStd ALNG Lic SAPK OLV 1 Y Acdmc AP-P73-05566	S/W	1	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	3349.59
23	Win SrCLANGcSAPKOLVE1-R18-03500	S/W	50	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	8930.24
24	SLSrSdALGLicSAPK-228-09539	S/W	1	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	5694.01
25	SLCLANGL SAPkOLVE1Admc - 359-05410	S/W	50	Surbhi Electronet Pvt Ltd	06-04-2016	28-02-2017	2	65881.55
26	EPS Business with Additional Packs 400 User	S/W	400	Rajasthan Network Solutions	26-09-2017	26-09-2020	RNS/2017-18/168	179360.00
27	Digital Language Lab Software AMC Charges	S/W	40	Biyani Technologies	12-02-2018	07-02-2019	1577	23600.00

Table B.6.1e: List of Softwares

Expenditure on Internet Usage

S.No.	Vendor	Speed	Bill No.	Duration	Date	Amount
1	Aircel	40	71704201	1-4-14 to 30-6-14	09-03-2014	179776
2	Aircel	40	71850663	1-7-14 to 30-9-14	08-06-2014	179776
3	Aircel	40	71996430	1-10-14 to 31-12-14	08-09-2014	179776
4	Vodafone	65	36070012015	22-11-14 to 31-3-15	01-01-2015	191012
5	Vodafone	65	70329401	1-4-15 to 30-6-15	01-03-2015	191012
6	Vodafone	65	85289367	1-7-15 to 30-9-15	01-06-2015	193800
7	Vodafone	65	100827846	1-10-15 to 31-12-15	01-09-2015	193800
8	Vodafone	65	118265252	1-1-16 to 31-3-16	01-12-2015	194650
9	Vodafone	65	136818069	1-4-16 to 30-6-16	01-03-2016	194650
10	Vodafone	65	156405034	1-7-16 to 30-9-16	01-06-2016	195500
11	Vodafone	65	173342255	1-10-16 to 31-12-16	01-09-2016	195500
12	Vodafone	65	192585695	1-1-17 to 31-3-17	01-12-2016	195500
13	Vodafone	105	216024437	1-4-17 to 31-6-17	01-04-2017	59478
14	Vodafone	105	228881545	1-7-17 to 30-9-17	01-06-2017	236790
15	Vodafone	105	EIRJ08170001397	1-10-17 to 31-12-17	01-09-2017	242967
16	Vodafone	105	EIRJ11700032286	1-1-18 to 31-3-18	01-12-2017	242967
17	Vodafone	105	EIRJ02800053274	1-4-18 to 30-6-18	01-03-2018	242967

Table B.6.1f: Expenditure

Sample Lab Manual:

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER

Department of Computer Science & Engineering

Branch: Computer Science & Engineering	**Semester: 6th**
Course Name: Computer Graphics & Multimedia Lab	**Code: 6CS8A**
External Marks: 30	**Practical hrs: 2 hrs/ week**
Internal Marks: 20	**Total Marks: 50**

1. VISION & MISSION

VISION: To become renowned Centre of excellence in computer science and engineering and make competent engineers & professionals with high ethical values prepared for lifelong learning.

MISSION:

M1: To impart outcome based education for emerging technologies in the field of computer science and engineering.
M2: To provide opportunities for interaction between academia and industry.
M3: To provide platform for lifelong learning by accepting the change in technologies
M4: To develop aptitude of fulfilling social responsibilities.

Course outcome and CO-PO Mapping

COURSE OUTCOMES

Graduates would be able:

1. Understand basic concepts and different types of graphics drawing algorithm
2. Understand different transformations
3. Design different animated images

MAPPING OF CO & PO

COURSE OUTCOMES	PROGRAM OUTCOMES											
	1	2	3	4	5	6	7	8	9	10	11	12
I	H	M	M	M	M	-	-	-	-	-	M	M
II	H	M	M	M	H	-	-	-	-	L	M	M
III	H	H	H	H	H	-	-	-	-	M	L	M

	SYLLABUS
Class: VI Sem. B.Tech.	Evaluation
Branch: Computer Engg.	Examination Time =Three (3) Hours
Schedule per Week	Maximum Marks = 50
Practical Hrs.: 2	[Sessional/Mid-term (30) &End term (20)]

S. No.	List of Experiment
1	Implementation of Line, Circle and ellipse attributes
2	Two Dimensional transformations - Translation, Rotation, Scaling, Reflection, Shear
3	Composite 2D Transformations
4	Cohen Sutherland 2D line clipping and Windowing
5	Sutherland – Hodgeman Polygon clipping Algorithm
6	Three dimensional transformations - Translation, Rotation, Scaling
7	Composite 3D transformations
8	Drawing three dimensional objects and Scenes
9	Generating Fractal images
10	To plot a point (pixel) on the screen
11	To draw a straight line using DDA Algorithm
12	Implementation of mid-point circle generating Algorithm
13	Implementation of ellipse generating Algorithm
14	To translate an object with translation parameters in X and Y directions
15	To scale an object with scaling factors along X and Y directions
16	To rotate an object with a certain angle about origin
17	Perform the rotation of an object with certain angle about an arbitrary point

BOOKS:-

Text books:-

- Hearn and Baker: Computer Graphics, PHI
- Multimedia Systems Design, Prabhat Andleigh and Thakkar, PHI..

Reference Books:-

J. Foley, A. Van Dam, S. Feiner, J. Hughes: Computer Graphics- Principles and Practice, Pearson

- **INSTRUCTIONAL METHODS:-**

Direct Instructions:

1. White board presentation

Interactive Instruction:

- Algorithms

Indirect Instructions:

1. Problem solving

- **LEARNING MATERIALS:-**9.1. Text/Lab Manual
- **ASSESSMENT OF OUTCOMES:-**

A. End term Practical exam (Conducted by RTU, KOTA)

B. Daily Lab interaction.

- **OUTCOMES WILL BE ACHIEVED THROUGH FOLLOWING:-**

1. Lab Teaching (through marker and white board).

2. Discussion on Algorithms.

INSTRUCTIONS of LAB

DO's

- Please switch off the Mobile/Cell phone before entering Lab.
- Enter the Lab with complete source code and data.
- Check whether all peripheral are available at your desktop before proceeding for program.
- Arrange all the peripheral and seats before leaving the lab.
- Properly shutdown the system before leaving the lab.
- Keep the bag outside in the racks.
- Enter the lab on time and leave at proper time.
- Maintain the decorum of the lab.

DON'T'S

- No one is allowed to bring storage devices like Pan Drive /Floppy etc. in the lab.
- Don't mishandle the system.
- Don't leave the system on standing for long
- Don't bring any external material in the lab.
- Don't make noise in the lab.
- Don't bring the mobile in the lab. If extremely necessary then keep ringers off.
- Don't enter in the lab without permission of lab In charge.
- Don't delete or make any modification in system files.

Sample Experiment

Aim:

To implement Bresenham's Algorithm for Line Drawing

Algorithm:

- Start.
- Declare variables x,y,x1,y1,x2,y2,p,dx,dy and also declare gdriver=DETECT,gmode.
- Initialize the graphic mode with the path location in TC folder.
- Input the two line end-points and store the left end-points in (x1,y1).
- Load (x1,y1) into the frame buffer; that is, plot the first point put x=x1,y=y1.
- Calculate dx=x2-x1 and dy=y2-y1,and obtain the initial value of decision parameter p as: a. p=(2dy-dx).
- Starting from first point (x,y) perform the following test:
- Repeat step 9 while(x<=x2).
- If p<0,next point is (x+1,y) and p=(p+2dy).
- Otherwise, the next point to plot is (x+1,y+1) and p=(p+2dy-2dx).
- Place pixels using putpixel at points (x,y) in specified colour.
- Close Graph.

  Stop.

Source Code:

/* C program to draw a line */

```
#include<stdio.h>
#include<conio.h>
#include<graphics.h>
void main()
{
int x,y,x1,y1,x2,y2,p,dx,dy; int gdriver=DETECT,gmode; initgraph(&gdriver,&gmode,"C:\\tc\\BGI:");
printf("\nEnter the x-coordinate of the first point ::"); scanf("%d",&x1);
printf("\nEnter the y-coordinate of the first point ::");
scanf("%d",&y1);
printf("\nEnter the x-coordinate of the second point ::");
 scanf("%d",&x2);
 printf("\nEnter the y-coordinate of the second point ::");
 scanf("%d",&y2);
 x=x1; y=y1; dx=x2-x1; dy=y2-y1;
 putpixel(x,y,2);
 p=(2dy-dx);
 while(x<=x2)
 {
 if(p<0)
 {
 x=x+1;
 p=2*x-dx;
}
 else
{
x=x+1; y=y+1;
 p=p+2*dy;
 }
 putpixel(x,y,7);
 }
 getch();
 closegraph();
 }
```

Output:

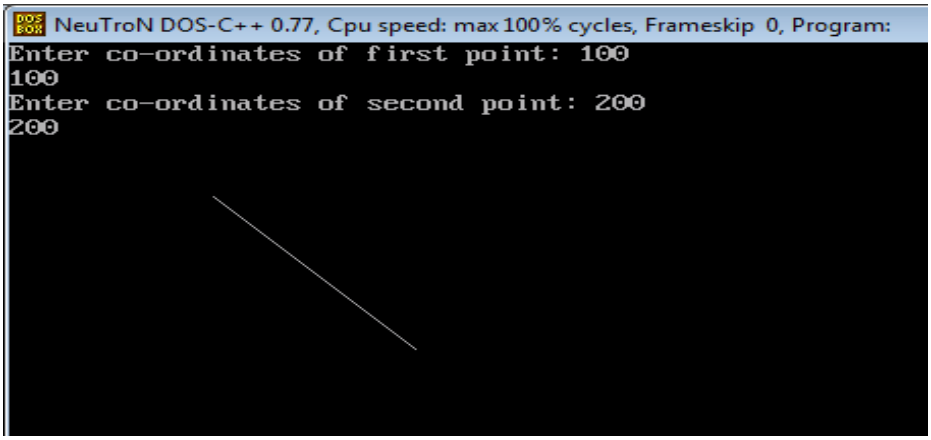


Figure6.1a: Result of experiment

Result:
Hence, Bresenham's algorithm is implemented.

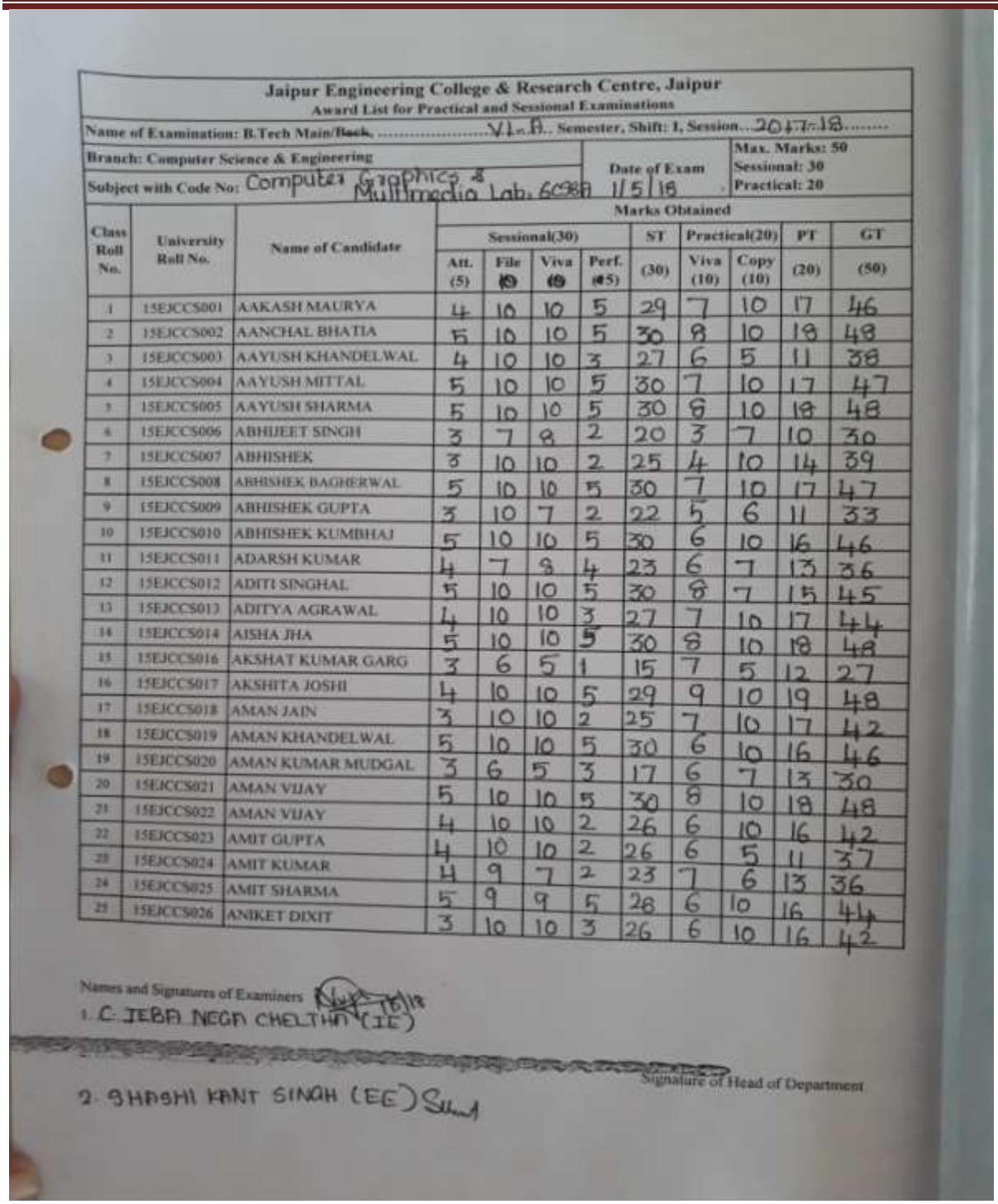
Viva Questions:

- Differentiate DDA and Bresenham's Line drawing algorithm
- Explain the Bresenham's Line drawing algorithm

Sample Evaluation Criteria of Lab

S. No	Title of Project	Project Guide	Session (30)				External (20)		Total (50)
			Attendance (5)	Report (5)	Viva (5)	Presentation (15)	Viva (10)	Copy (10)	

Table B.6.1g: Evaluation of lab



Jaipur Engineering College & Research Centre, Jaipur
Award List for Practical and Sessional Examinations

Name of Examination: B.Tech Main/~~Back~~ ..... VI-B.. Semester, Shift: I, Session..2017-18.....

Branch: Computer Science & Engineering | Date of Exam 1/5/18 | Max. Marks: 50, Sessional: 30, Practical: 20

Subject with Code No: Computer Graphics & Multimedia Lab. 6CS8A

Class Roll No.	University Roll No.	Name of Candidate	Marks Obtained								
			Sessional(30)				ST	Practical(20)		PT	GT
			Att. (5)	File (10)	Viva (10)	Perf. (5)	(30)	Viva (10)	Copy (10)	(20)	(50)
1	15EJCCS001	AAKASH MAURYA	4	10	10	5	29	7	10	17	46
2	15EJCCS002	AANCHAL BHATIA	5	10	10	5	30	8	10	18	48
3	15EJCCS003	AAYUSH KHANDELWAL	4	10	10	3	27	6	5	11	38
4	15EJCCS004	AAYUSH MITTAL	5	10	10	5	30	7	10	17	47
5	15EJCCS005	AAYUSH SHARMA	5	10	10	5	30	8	10	18	48
6	15EJCCS006	ABHIJEET SINGH	3	7	8	2	20	3	7	10	30
7	15EJCCS007	ABHISHEK	3	10	10	2	25	4	10	14	39
8	15EJCCS008	ABHISHEK BAGHERWAL	5	10	10	5	30	7	10	17	47
9	15EJCCS009	ABHISHEK GUPTA	3	10	7	2	22	5	6	11	33
10	15EJCCS010	ABHISHEK KUMBHAJ	5	10	10	5	30	6	10	16	46
11	15EJCCS011	ADARSH KUMAR	4	7	8	4	23	6	7	13	36
12	15EJCCS012	ADITI SINGHAL	5	10	10	5	30	8	7	15	45
13	15EJCCS013	ADITYA AGRAWAL	4	10	10	3	27	7	10	17	44
14	15EJCCS014	AISHA JHA	5	10	10	5	30	8	10	18	48
15	15EJCCS016	AKSHAT KUMAR GARG	3	6	5	1	15	7	5	12	27
16	15EJCCS017	AKSHITA JOSHI	4	10	10	5	29	9	10	19	48
17	15EJCCS018	AMAN JAIN	3	10	10	2	25	7	10	17	42
18	15EJCCS019	AMAN KHANDELWAL	5	10	10	5	30	6	10	16	46
19	15EJCCS020	AMAN KUMAR MUDGAL	3	6	5	3	17	6	7	13	30
20	15EJCCS021	AMAN VIJAY	5	10	10	5	30	8	10	18	48
21	15EJCCS022	AMAN VIJAY	4	10	10	2	26	6	10	16	42
22	15EJCCS023	AMIT GUPTA	4	10	10	2	26	6	5	11	37
23	15EJCCS024	AMIT KUMAR	4	9	7	2	23	7	6	13	36
24	15EJCCS025	AMIT SHARMA	5	9	9	5	28	6	10	16	44
25	15EJCCS026	ANIKET DIXIT	3	10	10	3	26	6	10	16	42

Names and Signatures of Examiners 16/1/18

1. C. JEBA NEGA CHELTHA (IE)

Signature of Head of Department

2. SHASHI KANT SINGH (EE)

Figure 6.1b: Result of experiment

1.2. Additional facilities created for improving the quality of learning experience in laboratories (25)

Sr. No.	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students' are expected to have enhanced learning	Relevance to POs/PSOs
1	Class Room with projector	Fully equipped Class room with LCD projector with the seating capacity of 70. Comfortable desks, chairs and teaching aids , Fans	Faculties use all interactive modules like videos/ presentations and visually attractive methods of teaching.	20 Hrs. Per Week	Subjects (Principles of Programming Language, Real time application oriented subjects, Software Engineering, Mobile Computing, Data Mining & Warehousing ect.	PO1, PO5
2	E-journal	JGate	For research and project activities. To know about recent trends in science and technology	Throughout the academic session.	Research activity, paper writing. Recent trends in engineering and software industry Project activity	PO1,PO2, PO12
3	Internet Facility	Ethernet/WiFi	Facility to staff and students for enhancing Teaching Learning	Throughout the academic session.	More knowledge apart from curriculum, 24×7 access to learning resources	PO1,PO2, PO5
4	Video's From NPTEL, SWAYAM	NPTEL (National Program on Technology Enhanced Learning) is a joint initiative of the IITs and IISc. Through this initiative, Students get certified on various latest courses through online learning and evaluation	Understanding the Video oriented Teaching and learning.	Throughout the semester	Building deep understanding with expert lectures from subject experts In depth knowledge beyond Lab.	PO1,PO5,PO11

5	Seminar Hall	Fully equipped shared seminar hall with Computer, Projector, 70 Student Desk, White Board, Air conditioner, Cushion chair, Microphone, Speaker, LED lights, Podium, Well Equipped Audio System.	To present technical talk/ project seminars/ research papers/ workshops/ industry interaction presentation and Guest Lectures and Expert Talk.	Throughout the semester	To bridge the band gap between academic and industry curriculum. To upgrade students to industry standard. Gaming Contest, Quizzes	PO1,PO8, PO9,PO12
6	Computer Hardware Lab	Using Scrap /Unused computers	To provide complete picture of hardware devices for better understanding of the subjects	5 hours per week	Real time experience of dissembling, locating the devices, assembling the system	PO1,PO12
7	MOU with FORSK technologies	Forsk was founded by Dr. Sylvester Fernandes and Yogendra Singh in mid-2015. Forsk is working for a paradigm shift in industry and academia partnership for skill enhancement and improved industry engagement .	The objective of this MoU is to bring industry approach of solution development and product engineering to engineering candidates through project based learning	3 Months	FORSK will offer project based learning in IoT(Internet of Things) and Machine Learning(Data Science) to JECRC students., helps in finding solution to real life problems	PO1,PO4,PO5, PO9,PO11, PO12
8	MOU with REDHAT	Network NUTS (A unit of AR Network NUTS Pvt. Ltd.) prouds to be "India's only networking institute by Corporate Trainers.). Led	The objective of this MoU is to bring industry approach of solution development and product engineering	1 Months	After completion of training students will get prepared for RHCSA (Red Hat Certified System Administrator) Exam and after this exam they will be RHCSA certified which will help them in grabbing various job opportunities.	PO1,PO4,PO5, PO9,PO11, PO12

		by a techie himself. Established in 2003 with the mission of bridging the gap from classroom to the workplace.	to engineering candidates through project based learning by data and technology.			
9	Sales force	Sales force is an innovative company behind the worlds #1 CRM platform.	To train the students and make them industry ready	3 Months	Project, Industrial Training	PO1PO2,,PO4, PO5, PO9,PO11, PO12
10	MOU with KMP Info Solutions	CAI is the center for the apps and ideas which lets students to bring their dreams into reality. This program let students to come up with an idea and help them to make their idea run in the real world with an Android application.	To create the future android developers and to create more career scope for the students	Throughout the semester.	Projects, Application Development	PO1,PO2,PO4, PO5,PO9,PO11 ,PO12
11	Infosys Campus Connect Program	Foundation Program 5.0	The objective is to	1 Months	This program provides a platform to fill the gap between industry &academia.	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11,PO12
12	Spiritual Research Cell	Sponsored by DST CSRI & JECRC	1. For operating DST CSRI sponsored Research Project 2. For imparting the wealth of Indian Yoga & Meditation among Engineering Students	Available Throughout the semester	1. In the field of Yoga & Meditation 2. In developing moral values & ethics 3. In the area of Spiritual Research Opportunities	PO6,PO8

13	MoU With Cyberops InfoSec	Cyber Security Training Conducted by Cyberops Infosec	Cyberops InfoSec is India's leading organization in field of Information security.	Throughout the semester	Students will be able to provide assistance in detecting the flaw and handling the cybercrime incidents and provide consultancy to the law enforcement agents and advocates handling the same.	PO1PO2,,PO4, PO5,PO9,PO11 , PO12 ,PSO2

Table B.6.2a: Additional facilities

6.3. Laboratories Maintenance and overall ambience (10)

6.3.1 Laboratories Maintenance

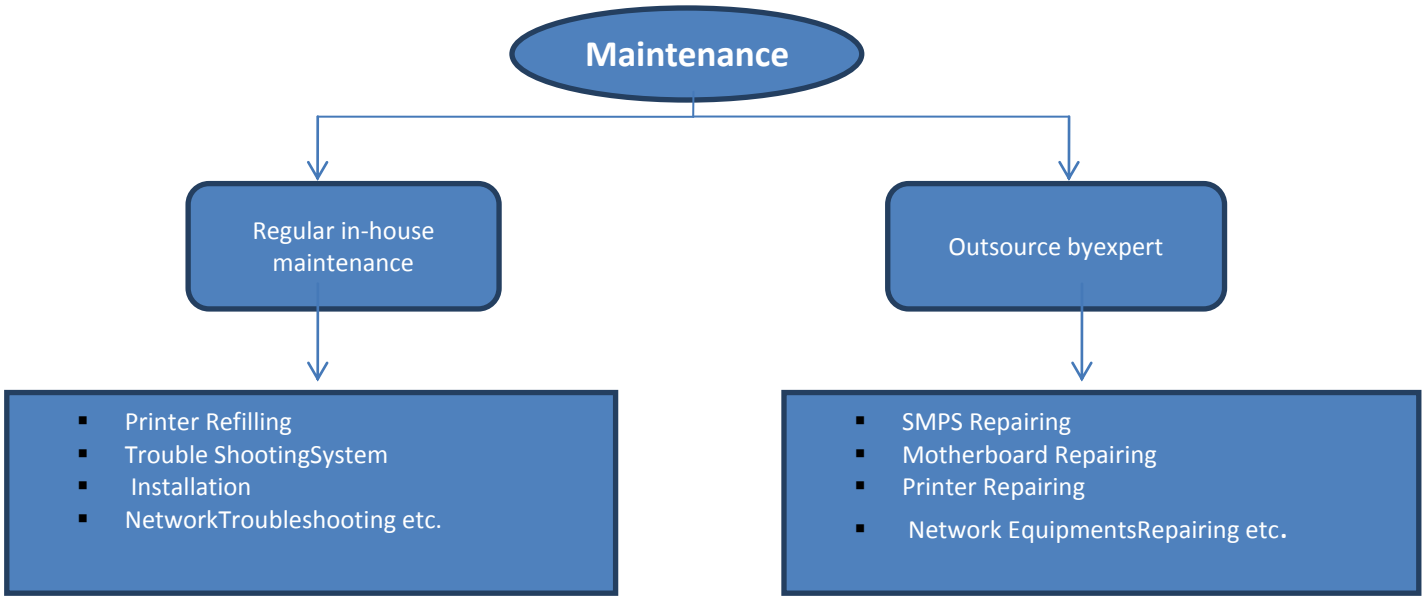


Figure6.3.1a: Lab maintenance

6.3.2 Overall Ambience:-

- Department has enough labs which are used for all the years to meet the curriculum requirements.onditions of chairs/benches are in good condition. Chairs are provided for individual students in Labs.
- Each Lab is equipped with white board, computer setup, and high speed Internet facility.
- Each Lab is air-cooled & with proper lighting

- Wifi facility available 24X7 for all faculties and students to carry lab work.
- Well-furnished IBM computer lab used for project work.
- Technical support for the students is available throughout the day.
- IBM lab is open for the students to carry out research regarding their projects, throughout the day.

6.4 Project laboratory:

On completion of the course:	
CO1	Graduates will be able to understand the concepts of real world complex problems with analyzing social impact for sustainable development.
CO2	Graduates will be able to apply design and develop software applications
CO3	Graduates will be able to create cost effective solutions in multidisciplinary environments.
CO4	Graduates will be able to demonstration their work with writing effective reports and design documentation via presentation tools.

Table B.6.4a: Project Lab Course Outcome

Project Lab CO-PO Mapping:

Sub	Code	L/T/P	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Project Stage-I & II	7CSPR & 8CSPR	P	Graduates will be able to understand the concepts of real world complex problems with analyzing social impact for sustainable development.	H	H	M	H	M	M	M	L	H	M	M	H	L	L
		P	Graduates will be able to create cost effective solutions in multidisciplinary environments.	H	L	M	M	M	L	L	_	M	M	H	H	L	M
		P	Graduates will be able to Design and Develop Software Applications.	M	M	H	M	H	L	_	L	H	H	M	H	M	H
		P	Graduates will be able to demonstration their work with writing effective Reports, Design Documentation and Presentation.	H	L	L	M	M	L	_	_	H	H	L	H	-	-

Table B.6.4b: CO-PO Mapping

S.No.	Name of the Laboratory	Facilities available to conduct Project works and Research work
1.	IBM LAB (Project Lab)	Internet with high speed provided to students for their project work.
2.	CP5(Dept LIBRARY)	Internet with high speed and open access journals are provided to students for the project research Work.

Table B.6.4c: Project Labs

SAMPLE OF PROJECT NOTICE:

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE, JAIPUR
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NOTICE **21st Dec. 2017**

It is informed to all final year students of academic session 2017-18 of CSE Department that their guide allotment will be held on January 02, 2018. The guidelines are as under

- Students cannot form a group by their self.
- Students will appear in front of the project committee in the order of their merit which is given below.
- A faculty list is given with their area of specialization/interest. Max of 2 projects will be allotted to the faculty.
- A group of students will be of 4 in max and 3 in min.
- Group of students will be taken from each section.
- Students came in specified order and will select a guide.
- When two groups formed of the particular faculty, then his name is crossed in the list.
- Section has to come in following time in IBM lab (A-Block).

ANKUR RAJ
(PROJECT IN-CHARGE)

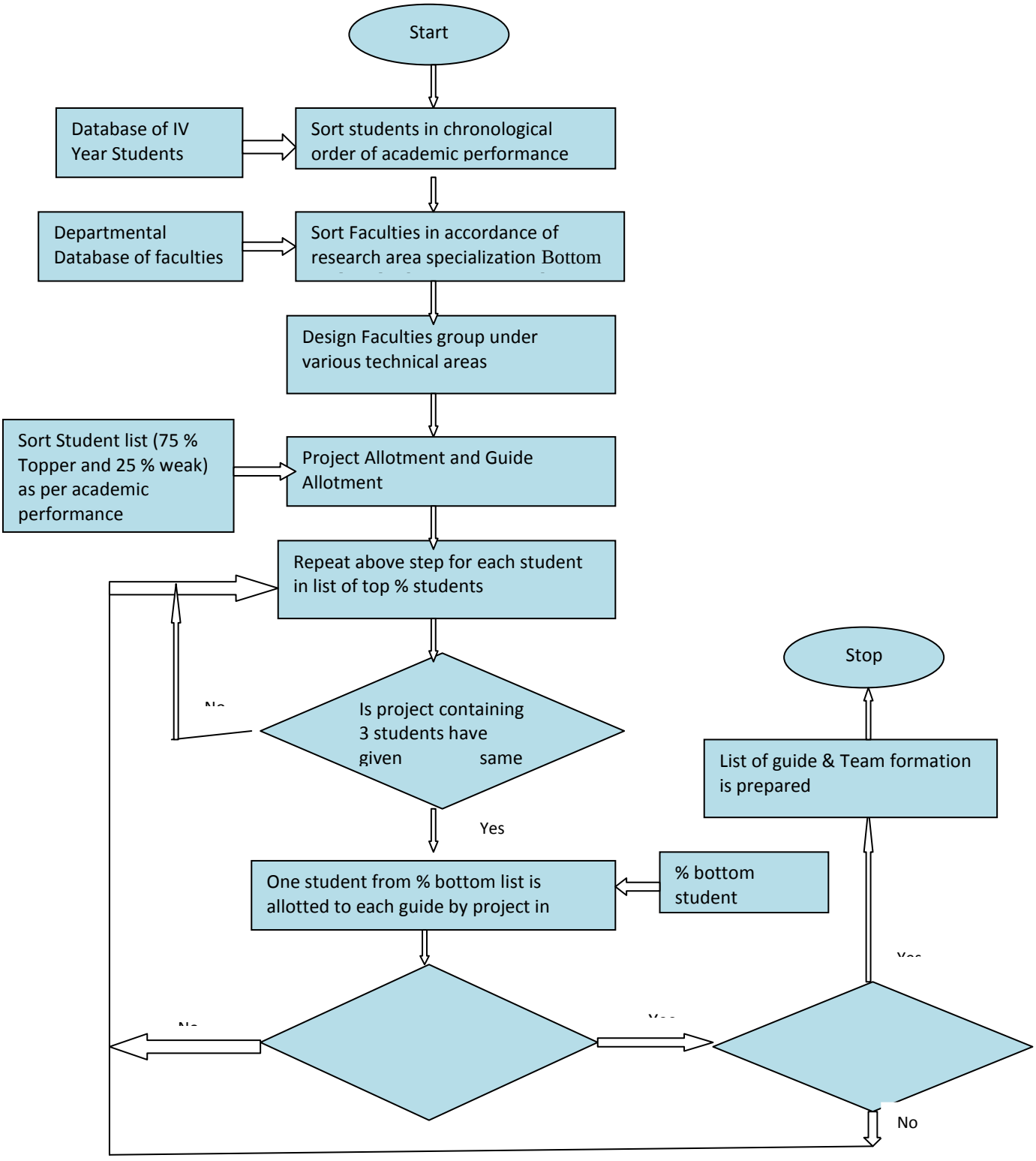


Figure 6.4a: Project Allotment Flowchart

1. **Project Group Formation**
   - Students of IV Year are sorted in chronological order on the basis of their academic performance.
   - The students are divided into four categories namely Topper Student List (A), Average Student List (B), Below Average Student List (C) and Bottom Student List (D). Each category contains 25% of total final year students.
   - Display the list of faculty members according to their area of interest.
   - Select one student from each category and make a team.
   - Each team selects one guide according to their area of interest and asks the guide for their project approval after showing the abstract of the project.

S.No.	Roll No.	Group 1 (LEADER)	Sec.	Roll No.	Group 2	Sec
1	14EJCCS008	ADITI METHI	A	14EJCCS001	AAYUSHI JOHRI	A
2	14EJCCS010	ADITYA JOHARI	A	14EJCCS002	ABHISHEK PANDEY	A
3	14EJCCS013	AKSHAY JAIN	A	14EJCCS006	ABHISHEK SOMANI	A
4	14EJCCS017	AKSHITA JAIN	A	14EJCCS016	AKSHITA AGRAWAL	A
5	14EJCCS031	ANUSHKA JAIN	A	14EJCCS019	AMANDEEP GOYAL	A
6	14EJCCS028	ANUSHREE JAIN	A	14EJCCS021	ANIRUDDH SHARMA	A
7	14EJCCS032	APOORVA GOYAL	A	14EJCCS022	ANISHA GOYAL	A
8	14ejccs033	apurvi mansinghka	A	14EJCCS023	ANJALI AGARWAL	A
9	14EJCCS037	ASHITA BANSAL	A	14EJCCS026	ANKITA SINGHAL	A
10	14ejccs038	ASTHA KOUL	A	14EJCCS027	ANKUSH KUMAR	A
11	14EJCCS040	AVIJIT SINGH	A	14EJCCS029	ANUJ SHARMA	A
12	14EJCCS042	AYUSHI AERAN	A	14EJCCS039	ATUL DADA	A
13	14EJCCSO45	BHAWIKA AGARWAL	A	14EJCCS044	BHASKAR SHARMA	A
14	14EJCCS049	DEEKSHANT MAMODIA	A	14EJCCS053	DIVISHA SHARMA	A
15	14EJCCS050	DHRUVAL BHARDWAJ	A	14EJCCS059	HARISH KUMAR RATHORE	A
16	14EJCCS054	DIVYA DAVE	A	14EJCCS062	HARSHITA SHARMA	A
17	14EJCCS055	DIVYA MAHESHWARI	A	14EJCCS066	ISHITA	A
18	14EJCCS057	GARVIT MITTAL	A	14EJCCS067	ISHU MITTAL	A
19	14EJCCS064	ISHA JAIN	A	14EJCCS079	LUV KUMAR GUPTA	A
20	14EJCCS065	ISHANVI MODI	A	14EJCCS080	MANJARI SINGH	B
21	14EJCCS068	JAPLEEN KAUR	A	14EJCCS083	MEETANSHI RAWAT	B
22	14EJCCS071	JAYANTI CHOUHAN	A	14EJCCS091	NAVEEN SAINI	B
23	14EJCCS073	KAJAL AGARWAL	A	14EJCCS097	NETRA SINGHAL	B
24	14EJCCS075	KANISHKA GOYAL	A	14EJCCS098	NIKHIL GARG	B
25	14EJCCS076	KAPIL B KHANDELWAL	A	14EJCCS104	PANKAJ KARAMCHANDAN	B
26	14EJCCS084	MEGHALI KHANDELWAL	B	14EJCCS109	POOJA SHARMA	B
27	14EJCCS086	MOHIT KUMAR EARAN	B	14EJCCS113	PRANAV DUA	B
28	14EJCCS087	MOHIT KUMAWAT	B	14ejccs116	PRATIBHA AGARWAL	B
29	14EJCCS088	MOHIT MAHESHWARI	B	14EJCCS122	RAHUL SHAMBHWANI	B
30	14EJCCS095	NEHA PIPRONIYAN	B	14EJCCS124	RAJESH AYALDASANI	B
31	14EJCCS096	NEHA SEWDA	B	14EJCCS125	RAKSHANDA KAUL	B
32	14EJCCS099	NIKHIL GUPTA	B	14EJCCS126	RISHABH SHARMA	B
33	14EJCCS103	PALLAVI VARSHNEY	B	14ejccs130	ROHAN JANDU	B
34	14EJCCS108	POOJA GUPTA	B	14EJCCS132	ROHIT KUMAR GUPTA	B
35	14EJCCS117	PRIYANKA BHARDWAJ	B	14EJCCS134	ROHIT MATHUR	B
36	14EJCCS120	RAHUL JASWANI	B	14EJCCS135	RONAK PATNI	B
37	14EJCCS121	RAHUL KUMAR GUPTA	B	14EJCCS137	SAKSHI GARG	B
38	14EJCCS127	RISHIKA AGARWAL	B	14EJCCS143	SAPNA GOHRANI	B
39	14EJCCS138	SAKSHI GUPTA	B	14EJCCS147	SHIVAM CHETANI	B
40	14EJCCS139	SAKSHI SINGHAL	B	14EJCCS148	SHIVANI MAREJA	B

S.No.	Roll No.	Group 3	Sec	Roll Roll No.	Group 4	Sec
1	14EJCCS004	ABHISHEK JAIN	A	14EJCCS012	AKSHAT TRIVEDI	A
2	14EJCCS005	ABHISHEK SARAWAG	A	14EJCCS015	AKSHAY VIJAYVARGIYA	A
3	14EJCCS007	ADARSH JULANIA	A	14EJCCS018	AMAN AGRAWAL	A
4	14EJCCS009	Aditi Parikh	A	14EJCCS024	ANKIT DIXIT	A
5	14EJCCS011	AKANKSHA KAUL	A	14EJCCS041	AYUSH GARG	A
6	14EJCCS014	AKSHAY PATNI	A	14EJCCS056	EKANSH KUSHWAH	A
7	14EJCCS020	AMIT KUMAR AGRAWAL	A	14EJCCS058	GOVIND MALL	A
8	14EJCCS025	ANKIT JHAWAR	A	14EJCCS061	HARSHIT RANKA	A
9	14EJCCSO30	ANUPAM KHERA	A	14EJCCS063	HASRAT ALI	A
10	14EJCCS034	ARPIT KALRA	A	14EJCCS069	JATIN AGRAWAL	A
11	14EJCCS035	ASHISH AGARWAL	A	14EJCCS077	KARTIK LOVEVANSHI	A
12	14EJCCS036	ASHISH POONIA	A	14EJCCS078	KISHAN MANGAL	A
13	14EJCCS043	BADAL JAIN	A	14EJCCS082	MAYANK PRASAD	B
14	14EJCCS046	CHINMAY BISEN	A	14EJCCS099	NEERAJ KUMAR BANSAL	B
15	14EJCCS047	CHITRANGANA SINGH	A	14ejccs100	NIKHIL JINDAL	B
16	14EJCCS051	DILIP KUMAR	A	14EJCCS102	NIRMAL GOYAL	B
17	14EJCCS052	DIVAKER SONI	A	14EJCCS105	PARESH RAJVANSHI	B
18	14EJCCS070	JATIN GARG	A	14EJCCS107	PIYUSH KUMAR BINDAL	B
19	14EJCCS074	KAJAL RAI	A	14EJCCS114	PRANAV GOPAL	B
20	14EJCCS085	MOHIT JAIN	B	14EJCCS115	PRATEEK SHARMA	B
21	14EJCCS089	NAMAN GOYAL	B	14EJCCS119	RAFAIY ABDUL REHMAN	B
22	14ejccs090	NAMAN JAIN	B	14EJCCS128	RITIKA SAFAYA	B
23	14EJCCS094	NEETESH VASHISHTHA	B	I4EJCCS131	ROHIT JAISWAL	B
24	14EJCCS101	NIMITT CHAUHAN	B	14EJCCS136	ROUNIT KUMAR	B
25	14EJCCS106	PAVAN BHANSALI	B	14EJCCS150	SHIVANSH SHARMA	B
26	14EJCCS110	PRABHAKAR DUBEY	B	14EJCCS151	SHUBHAM AGARWAL	B
27	14ejccs111	PRADHUMN TRIVEDI	B	15EJCCS200	ADITYA VIKRAM SINGH	C
28	14ejccs112	PRAKHAR GARG	B	15EJCCS201	AJAY BHANDARI	C
29	14EJCCS118	PRIYANSHU GUPTA	B	15EJCCS202	AKASH SHARMA	C
30	14EJCCS123	RAHUL TIWARI	B	15EJCCS203	ANKIT	C
31	14EJCCS129	RITU MITTAL	B	15EJCCS204	ANKIT PANDEY	C
32	14EJCCS140	SALONI MEHTA	B	15EJCCS205	BANSHI LAL NAIN	C
33	14EJCCS141	SAMARTH THOLIA	B	15EJCCS206	GARIMA JOSHI	C
34	14EJCCS142	SANDEEP GAUSI	B	15EJCCS207	JUGAL CHAUDHARY	C
35	14EJCCS144	SARVESH KUMAR	B	15EJCCS208	KAYYUM KHAN	C
36	14EJCCS145	SHAILENDRA SINGH CHO	B	15EJCCS209	MAHIMA JOSHI	C
37	14EJCCS152	SHUBHAM BANSAL	B	15EJCCS210	MANALI GOSWAMI	C
38	14EJCCS155	SHUBHAM KALANI	B	14EJCCS195	NAVEEN KUMAR	C
39	14EJCCS157	SHUBHAM SERVA	B	15EJCCS212	NITENDER SINGH SHEKHAWA	C
40	14EJCCS192	ARPIT TRIPATHI	C	15ejccs213	PRIYANKA	C

Table B.6.4d: Project Group Division

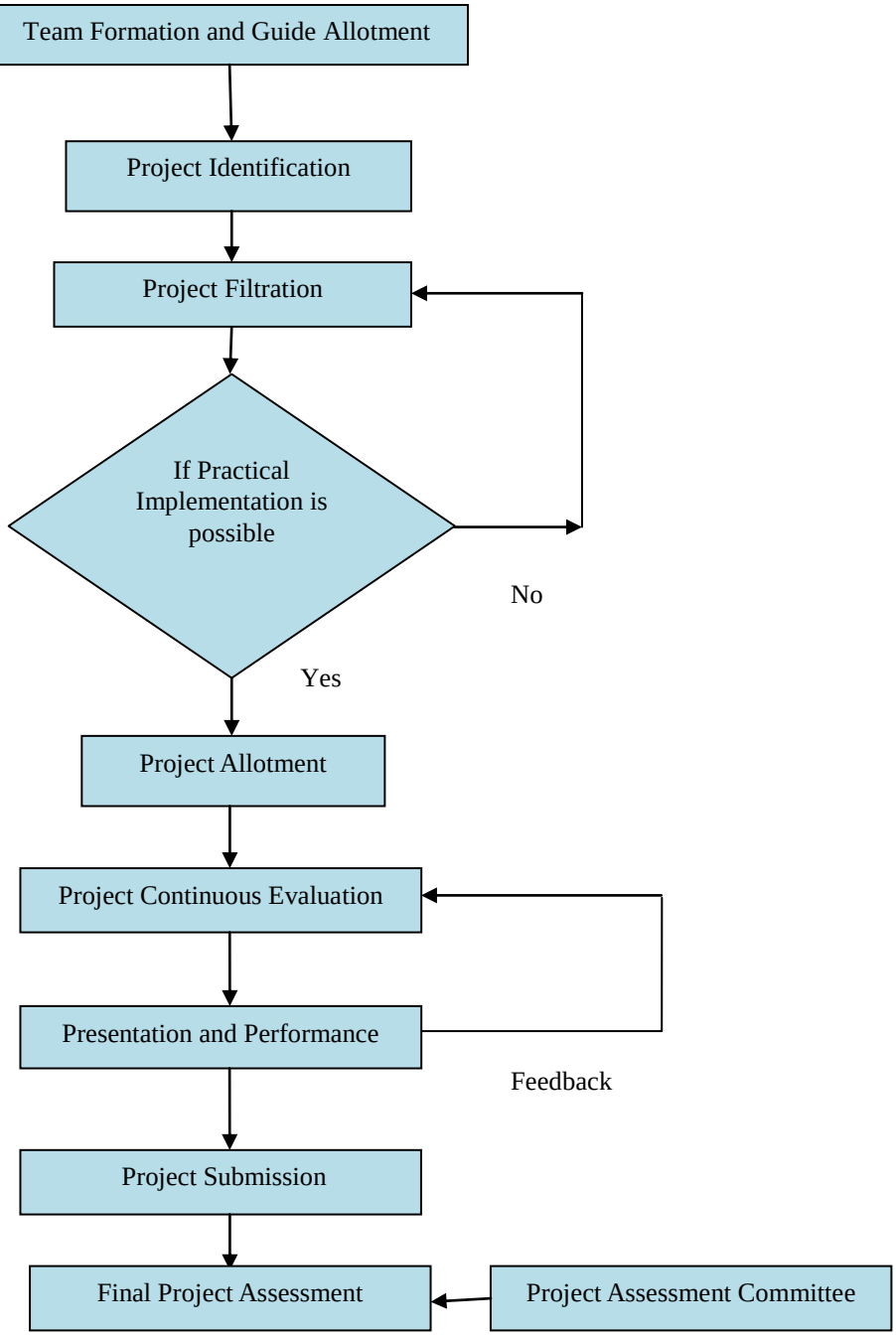


Figure 6.4c Project Evaluation

2. Project Identification

- Project coordinator issues a circular at the end of 6th semester to all faculty members to provide their area of interest and the list of five projects to be given to the students.
- Students are also encouraged to submit the idea of their own for doing the project.
- Final list of projects has been made and display on notice board.
- The list of previous year projects is also displayed at notice board which ensures no repetition of project work and also encourages students to enhance the previous works.
- Each group of students decides the project guide according to their area of interest.
- Each team selects their own project idea or from list of projects.

3. Project Filtration & Allotment

- Each team or group of students discusses their own project idea with their guide.
- If the project idea submitted by the student/ group of students fulfills the basic requirements, then it will be allotted to that student/ group of students.
- If it does not fulfill the basic requirements, then a new project idea is allotted to that student/group of students from the list of finalized projects.

4. Project Continuous Evaluation

- Project coordinator displays the deadline on notice board for the progress report presentations and final submission of the project report.
- Each group has to summit weekly progress report to the respective guide.
- Each team show their project demonstration followed by viva-voice has been carried out twice in a semester in front of guide, then guide review the progress and gives suggestions.

5 Procedure of Project Evaluation

- A presentation followed by viva voce is also carried out at the end of semester in front of the external examiner and other students.
- Each group of students has to submit a report of their work along with the role of each team member.
- The project exhibition is carried out at the end of semester. Student/group of students demonstrated the project in front of external examiner and other students.
- Final Assessment of the project and marks finalization is done by the project assessment team along with external examiner and respective guide

Phase	Subject Code	Semester	Nature of Work	Assessment
PhaseI	Project-I 7CSPR	VII	Project ideas and Abstract Submission	Problem Definition
			Finalize projecttheme/title, Define Objectives, CompletionTimeLine	ProgressPresentation
			ProjectImplementation	Project Demonstration
			Report Submission and University Viva	Project Report
PhaseII	Project-II 8CSPR	VIII	New Project idea or extension of Minor	Problem Definition
			ProjectImplementation	ProgressPresentation
			Project Competition, Testing	Project Demonstration
			Teamwork Assessment	Project Report&
			UniversityViva	Project Report

Table B.6.4f: Project Phases

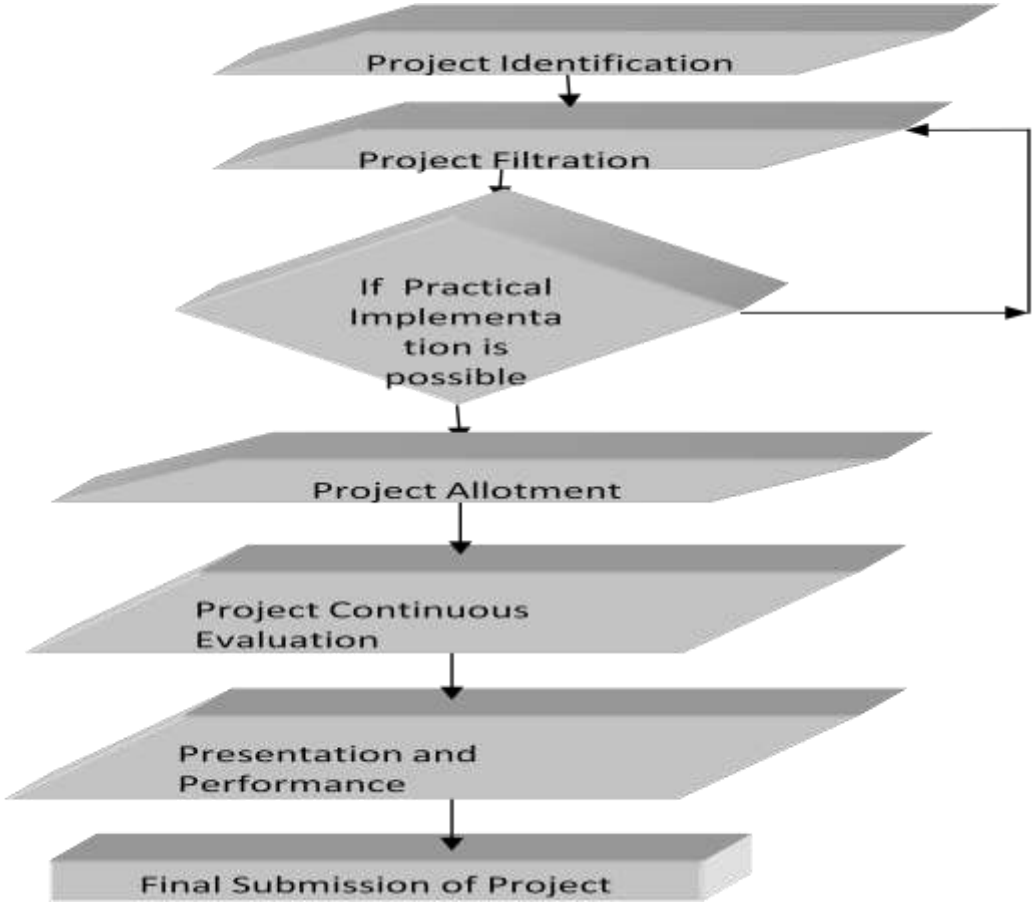


Figure 6.4e: Project Evaluation Flowchart

S. No	Title of Project	Project Guide	Session (30)					External (20)		Total (50)
			Attendance (5)	Report (5)	Viva (5)	Presentation (5)	Demonstration (10)	Viva (10)	Demonstration (10)	

Table B.6.4g: Scheme for the evaluation Project-I

S. No	Title of Project	Project Guide	Session (120)					External (80)			Total (200)
			Attendance (10)	Report (20)	Viva (30)	Presentation (30)	Demonstration (30)	Viva (30)	Presentation (30)	Demonstration (20)	

Table B.6.4h: Scheme for the evaluation Project-II

Sample of Cover Page of Project Report

A

Project Report

On

<NAME OF PROJECT IN UPPER CASE>

Submitted in partial fulfillment for the award of degree of

Bachelor of Technology

in

Computer Science &Engineering

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

Submitted By	Guide	Supervisors
<Student Name>	**<Guide Name>**	**<Name of Supervisor1>**
<University Roll No.>	**<Designation>**	**<Designation>**

Department Of Computer Science & Engineering
Jaipur Engineering College & Research Centre
Jaipur, Rajasthan
April-2016
Rajasthan Technical University, Kota

Jaipur Engineering College and Research Centre, JAIPUR
Department of Computer Science and Engineering

Schedule of Major Project Presentation of B.Tech. CSE 8th Sem.

19-Jan-2018

Presentation	dates
1st Project Presentation of VIII sem. Section-A	1/23/2018
1st Project Presentation of VIII sem. Section-B	1/24/2018
1st Project Presentation of VIII sem. Section-C	1/25/2018
1st Project Presentation of VIII sem. Section-D	1/27/2018
2nd Project Presentation of VIII sem. Section-A	2/16/2018
2nd Project Presentation of VIII sem. Section-B	2/17/2018
2nd Project Presentation of VIII sem. Section-C	2/23/2018
2nd Project Presentation of VIII sem. Section-D	2/24/2018
3rd Project Presentation of VIII sem. Section-A	3/9/2018
3rd Project Presentation of VIII sem. Section-B	3/10/2018
3rd Project Presentation of VIII sem. Section-C	3/16/2018
3rd Project Presentation of VIII sem. Section-D	3/17/2018
4th Project Presentation of VIII sem. All Sections	3/24/2018

Table B.6.4i:Schedule of Major Project Presentation

VANUE: IBM LAB (A-Block)

ANKUR RAJ
PROJECT INCHARGE

Phase	Subject Code	Semester	Nature of Work	Assessment
PhaseI	Project-I 7CSPR	VII	Literature Survey,ProblemDefinition	ProgressPresentation
			Finalize projecttheme/title, Define Objectives, CompletionTimeLine	ProgressPresentation
			InterimReport	Project Report
PhaseII	Project-II 8CSPR	VIII	ProjectImplementation	ProgressPresentation
			Project Competition, Testing	Project Demonstration
			Teamwork Assessment	Project Report& Demonstration
			UniversityViva	Project Report

Table B.6.4i:Project Evaluation Process Contd.

S.No.	Name of the Facilities	Utilization
1.	Turbo C 3.0,	3rd semester – Data Structure and Algorithm , C++ Programming.
2.	Ubuntu	3rd & 8th semester students, UG students and Faculty members.
3.	Java SE Development Kit	6th & 8th semester students and Faculty members.
4.	Microsoft Office professional ,	2nd,3rd and 4th year students and Faculty
5.	My Sql, Xamp (PHP)	6th ,7th, 8th semester students and Faculty
6.	OPEN Source Softwares	.All Semester
7.	Internet of 105Mbps and Wi-Fi campus	UG students and Faculty members utilize the internet and Wi-Fi
8.	Two 10KVA, one 15 KVA and 1 3KVA	Used in case of Power failure
9.	Air-conditioner	Maintained temperature in Labs
10.	PRINTERS (Color and B/W)	Printing documents Lab assignments etc.
11.	Projector & Scanner	UG students and Faculty members utilize the R & D Lab for their
12.	Server	FTP Server, Antivirus server, Account Server

Table B.6.4j:Facilities created in CSE department for projects

6.5. Safety measures in laboratories (10)

- **Do's and Don'ts :**Specific Safety Rules like Do's and d for all students
- **First aid box**: First aid box is kept in Department.
- Sufficient no. of fire Extinguishers are installed in the Lab
- Easy approach to emergency exit in the Labs
- Centralize Earthing
- Power junction box

Criteria7

Continuous Improvement

(50)

CRITERION 7	Continuous Improvement	50

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (20)

POs Attainment levels & actions for improvement (2015-16) CAY

POs	Target Level	Attainment Level	Observations
PO1. Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science and Engineering specialization to the solution of complex Computer Science and Engineering problems.			
PO1	70.4%	30.6%	**1.** Students need to improve in implementing practical knowledge according to theoretical subjects. **2.** Some of the subject like, Compiler Construction, Advanced Engineering Mathematics, Principles of Communication, Statistics and Probability Theory, Information Theory & Coding is needed to be improved to attain the attainment level.
Actions • Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures. • Video lectures along with detailed course contents were held and students were also registered in online courses **(i.e. Swayam, NPTEL, MOOCs) launched by AICTE.** • Additional classes to be conducted on Compiler Construction, Advanced Engineering Mathematics, Principles of Communication, Statistics and Probability Theory, Information Theory & Coding.			
PO2. Problem Analysis: Identify, formulate, research literature, and analyze complex computer Computer Science and Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			
PO2	64.8%	31.5%	**1.** Need of strong analytical power in students was realized and correlation between Mathematics & Science with engineering subjects was lacking. **2.** Some of the subject like, Compiler Construction, Principles of Communication, Digital Electronics, and Embedded System Design needs to be improved to attain the attainment level.

Actions

- Students were advised to observe the problems related to real life scenario.
- More home assignments are given for subjects that have computational importance
- Remedial classes to be conducted on subject in which target is not achieved.

PO3. Design/development of solutions: Design solutions for complex Computer Science and Engineeringproblems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO3	74.1%	38.9%	**1.** Approach towards the solutions of problems and development of minor and major projects were not fulfilling the industrial needs or requirements. **2.** Some of the subject like, Engineering Mathematics, Statistics and Probability Theory, Design and Analysis of Algorithms, Information Theory & Coding, Data Structures and Algorithms needs to be improved to attain the attainment level.

Actions

- Encouragement to students regarding proper feasibility analysis and design and development of the product according to industry requirements
- Additional classes to be conducted on design solutions for complex engineering problems
- Coding contest should be promoted among students

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of Computer Science and Engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO4	74.1%	35.9%	**1**. Some of the students were lacking in applying research based approach for creating projects. **2.** Some of the subject like Statistics and Probability Theory, Design and Analysis of Algorithms, Digital Logic Design needs to be improved according to the requirement to attain the level.

Actions

- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on Coding contest should be promoted among students
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern

Computer Science and Engineering and IT tools including prediction and modeling to complex computer science engineering activities with an understanding of the limitations.			
PO5	70.4%	32.6%	**1.** According to latest industry standards and to fill the gap between industry and academic, up gradation of tools and software were required. **2.** Some of the subject like, Compiler Construction, Cloud Computing, Design and Analysis of Algorithms, are needed to be improved to attain the attainment level.
Actions • Latest software like Xilinx, MATLAB, SALESFORCE, HADOOP, CLOUDERA, PYTHON, Android Development Kit and ECLIPSE will be introduced to fulfill this gap. • Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE. • Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures. • More activities on Coding contest should be promoted among students			
PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Computer Science and Engineering practice.			
PO6	70.4%	35.8%	1. Content beyond the syllabus needs to be included in the curriculum related to health safety and social needs of the society. 2 Some extra activities needed related to the engineer and society
Actions • Students should be motivated to involve in social initiatives to understand the social aspects which will help them to solve the problems of society with engineering practices. • Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE. • Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures. • More activities on society issues, Social issues and health related problems should be promoted among students			
PO7. Environment and sustainability: Understand the impact of the professional Computer Science and Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			

PO7	55.6%	24.4%	1. It was observed that role of students towards environment and global awareness needs to be improved. 2. Some extra activities needed related to the professional engineering solutions in societal and environmental contexts

Actions

- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on professional engineering solutions in societal and environmental contexts and demonstration of the knowledge for sustainable development should be promoted among students

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Computer Science and Engineering practice.

PO8	59.3%	22.9%	1**.** Along with increase in technical knowledge, ethical knowledge is also required in graduates 2. Some of the subject in the curriculum are lacking in learning the principles and commit to professional ethics and responsibilities.

Actions

- Motivational lectures will be organized for self-realization ethical principles and commit to professional ethics and responsibilities
- Students are encouraged to participate in various Social and cultural events.
- Some of the workshops will be organized to understand the professional ethics, responsibilities and norms of the engineering practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in Computer Science and Engineering.

PO9	83.3%	39.7%	Some of the subjects in the curriculum are lacking in learning effectively as an individual and as a member or leader in diverse teams and also in multidisciplinary settings.

Actions

- Motivating students to work in groups in technical studies
- More extracurricular events will be organized to enhance leadership qualities in individuals as

well as to make them work in team.

- More activities on Coding contest should be promoted among students to work effectively as an individual and in a team

PO10. Communication: Communicate effectively on complex Computer Science and Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO10	57.4%	30.5%	**1.** Communication Skills were not up to the mark and needs to be improved for presentations to be performed. 2. Students are lacking in report writing and design documentation, make effective presentations

Actions

- Personality Development Skills will be imparted to students to enhance various aspects of communication, technical and Presentations skills
- Expert Talks to enhance aptitude, qualitative skills of the students
- Additional classes to be conducted for writing effective reports, design documents and effective presentations skills.

PO11. Project Management and Finance: Demonstrate knowledge and understanding of the Computer Science and Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO11	70.4%	31.9%	**1.** Students were lacking in implementing the feasibility of various projects and managing according to the financial availability. 2. Some of the subject are lacking in learning and applying work to manage projects in multidisciplinary environments.

Actions

- Students are encouraged to participate in entrepreneurship and startups programs.
- Additional classes to be conducted for demonstrating knowledge and understanding of the engineering and management principles to manage projects in multidisciplinary environments.
- Workshops and Industrial visits will be included to enhance the capability of students to apply their Knowledge to make, enhance and manage projects in multidisciplinary environments.

PO12. Life –long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of Computer Science and

Engineeringchange.			
PO12	66.7%	31.2%	**1.** Students were confined to only subjective and theoretical knowledge. Some changes in technical skills according the industrial requirements have to be included in curriculum.

Actions

- Latest software like Xilinx, MATLAB, SALESFORCE, HADOOP, CLOUDERA, PYTHON, Android Development Kit and ECLIPSE will be introduced to fulfill this gap.
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on Coding contest should be promoted among students
- Additional classes to be conducted for writing effective reports, design documents and effective presentations skills.
- Additional Technical classes to be conducted in the context of technological changes.
- Motivational lectures will be organized for students to understand ethical principles and commit to professional ethics and responsibilities
- Students are encouraged to participate in various Social and cultural events to enhance leadership qualities in individuals as well as to make them work in team.

***Table B.7.1a*: POs Attainment levels & actions for improvement (2015-16) CAY**

PO Attainment(2015-16)												
PO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Actual /Ideal Value	54	54	54	54	54	54	54	54	54	54	54	54
Target Value	38	37	40	40	38	38	30	30	45	31	38	36
Target Value (in %)	70.4	68.5	74.1	74.1	70.4	70.4	55.6	55.6	83.3	57.4	70.4	66.7
Attained Value	16.5	17	21	19.4	17.6	19.4	13.2	12.4	21.5	16.5	17.2	16.9
Attained Value % w.r.t. Ideal	30.6	31.5	38.9	35.9	32.6	35.8	24.4	22.9	39.7	30.5	31.9	31.2
Gap(in %	39.8	37	35.2	38.2	37.8	34.6	31.2	32.7	43.6	26.9	38.5	35.5

***Table B.7.1b*: PO Attainment (2015-16)**

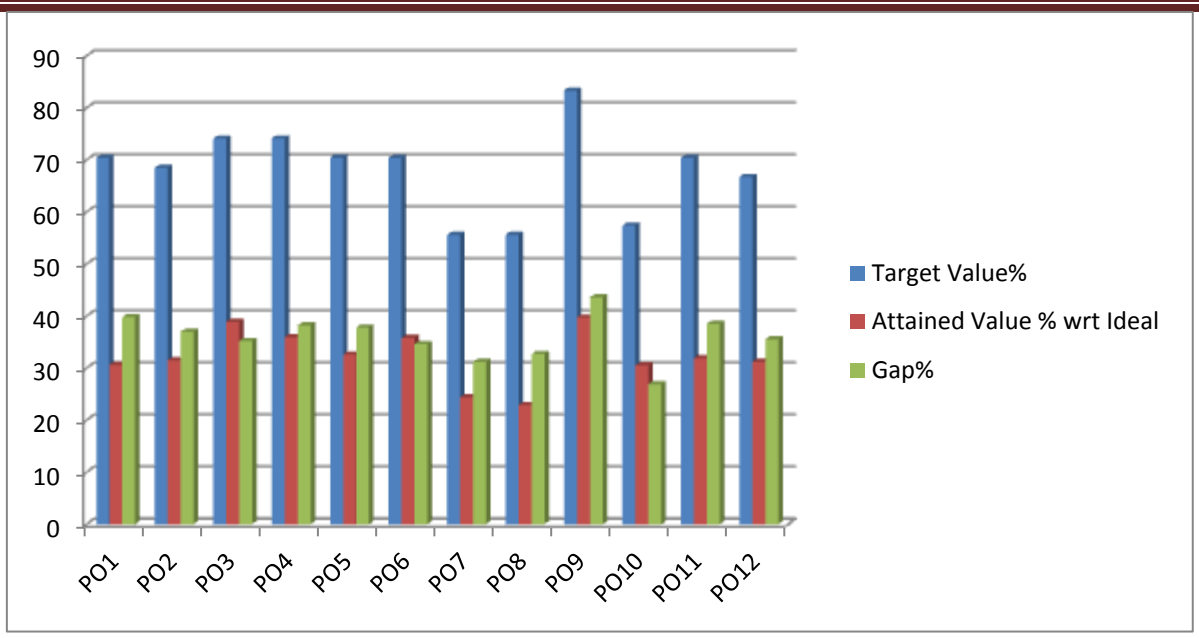


***Figure 7.1a*: PO Attainment (2015-16)**

POs Attainment levels & actions for improvement (2016-17)

POs	Target Level	Attainment Level	Observations
PO1. Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science and Engineering specialization to the solution of complex Computer Science and Engineering problems.			
PO1	70.4%	53.7%	**1.** Students are needed to improve in implementing practical knowledge according to theoretical subjects. **2.** Some of the subject like, Advanced Engineering Mathematics, Data Mining & Ware Housing, and Principles of Communication are needed to be improved to attain the attainment level are needed to be improved to attain the attainment level.

Actions

- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- Video lectures along with detailed course contents were held and students were also registered in online courses **(i.e. Swayam, NPTEL, MOOCs) launched by AICTE.**
- Additional classes to be conducted on Advanced Engineering Mathematics, Data Mining & Ware Housing, and Principles of Communication

PO2. Problem Analysis: Identify, formulate, research literature, and analyze complex computer Science and Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			
PO2	64.8%	54.8%	**1.** Need of strong analytical power in students was realized and correlation between Mathematics & Science with engineering subjects was lacking. **2.** Some of the subject likes Advanced Engineering Mathematics; Data Mining & Ware Housing is needed to be improved to attain the attainment level.
Actions • Students were advised to observe the problems related to real life scenario. • More home assignments are given for subjects that have computational importance • Remedial classes to be conducted on subject in which target is not achieved.			
PO3. Design/development of solutions: Design solutions for complex Computer Science and Engineeringproblems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.			
PO3	74.1%	63.1%	**1.** Approach towards the solutions of problems and development of minor and major projects were not fulfilling the industrial approach. **2.** Some of the subject like Data Mining & Ware Housing, Data Structures and Algorithms, Distributed Systems, Linux and Shell Programming, Mobile Computing are needed to be improved to attain the attainment level
Actions • Encouragement to students regarding proper feasibility analysis and design and development of the product according to industry requirements • Additional classes to be conducted on design solutions for complex engineering problems • Coding contest should be promoted among students			
PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of Computer Science and Engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.			
PO4	74.1%	57.8%	**1.** Students are needed to improve in applying research based approach to the investigations required for creating projects. **2.** Some of the subject like Statistics and Probability Theory, Advanced Engineering Mathematics, Data

			Mining & Ware Housing, is needed to be improved to attain the attainment level.

Actions

- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on Coding contest should be promoted among students
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern Computer Science and Engineering and IT tools including prediction and modeling to complex computer science engineering activities with an understanding of the limitations.

PO5	70.4%	57.4%	**1.** According to latest industry standards and to fill the gap between industry and academic, up gradation of tools and software were required. **2.** Some of the subject likes Advanced Engineering Mathematics; Data Mining & Ware Housing is needed to be improved to attain the attainment level.

Actions

- Latest software like Xilinx, MATLAB, SALESFORCE, HADOOP, CLOUDERA, PYTHON, Android Development Kit and ECLIPSE will be introduced to fulfill this gap.
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on Coding contest should be promoted among students

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Computer Science and Engineering practice.

PO6	70.4%	58.8%	**1.** Content beyond the syllabus includes subjects related to needs of health safety and social needs of the society. **2.** Some of the subject likes Advanced Engineering Mathematics; Data Mining & Ware Housing is needed to be improved to attain the attainment level.

Actions

- Students should be motivated to involve in social initiatives to understand the social aspects

which will help them to solve the problems of society with engineering practices.

- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on society issues, Social issues and health related problems should be promoted among students.

PO7. Environment and sustainability: Understand the impact of the professional Computer Science and Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development

PO7	55.6%	44.4%	**1.** It was observed that role of students towards environment and global awareness needs to be improved. **2.** Some of the subject likes Advanced Engineering Mathematics; Data Mining & Ware Housing is needed to be improved to attain the attainment level.

Actions

- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on professional engineering solutions in societal and environmental contexts and demonstration of the knowledge for sustainable development should be promoted among students

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Computer Science and Engineering practice.

PO8	59.3%	44%	**1.** Along with increase in technical knowledge, ethical knowledge was also required in graduates but due to less moral ethics few were behind in practical situations. **2.** Some of the subject like Advanced Engineering Mathematics ,Data Mining & Ware Housing, Data Compression Techniques

Actions

- Motivational lectures will be organized for self-realization ethical principles and commit to professional ethics and responsibilities

- Students are encouraged to participate in various Social and cultural events.
- Some of the workshops will be organized to understand the professional ethics, responsibilities and norms of the engineering practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in Computer Science and Engineering.

PO9	83.3%	63.8%	**1.** Few students were not able to make themselves compatible with other members in a group. **2.** Some of the subject like in Data Mining & Ware Housing, Data Structures and Algorithms, Digital Image Processing, are needed to be improved to attain the attainment level.

Action

- Motivating students to work in groups in technical studies
- More extracurricular events will be organized to enhance leadership qualities in individuals as well as to make them work in team.
- More activities on Coding contest should be promoted among students to work effectively as an individual and in a team

PO10. Communication: Communicate effectively on complex Computer Science and Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO10	57.4%	45.8%	**1.** Communication Skills were not up to the mark and needs to be improved for presentations to be performed. **2.** Some of the subject likes Advanced Engineering Mathematics; Principles of Communication are needed to be improved to attain the attainment level.

Actions

- Personality Development Skills will be imparted to students to enhance various aspects of communication, technical and Presentations skills
- Expert Talks to enhance aptitude, qualitative skills of the students
- Additional classes to be conducted for writing effective reports, design documents and effective presentations skills.

PO11. Project Management and Finance: Demonstrate knowledge and understanding of the Computer Science and Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO11	70.4%	52.6%	**1.** Implementation and feasibility of various projects can be done by properly analyzing and managing them according to the financial availability. **2.** Some of the subject likes Advanced Engineering Mathematics; Principles of Communication are needed to be improved to attain the attainment level.

Actions

- Students are encouraged to participate in entrepreneurship and startups programs.
- Additional classes to be conducted for demonstrating knowledge and understanding of the engineering and management principles to manage projects in multidisciplinary environments.
- Workshops and Industrial visits will be included to enhance the capability of students to apply their Knowledge to make , enhance and manage projects in multidisciplinary environments

PO12. Life –long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of Computer Science and Engineering change.

PO12	66.7%	52.9%	**1.** Students of 3rd and 4th year need to have conceptual knowledge of few basic and important courses which will help them in their future jobs. **2.** Some of the subject likes Advanced Engineering Mathematics; Principles of Communication are needed to be improved to attain the attainment level.

Actions

- Latest software like Xilinx, MATLAB, SALESFORCE, HADOOP, CLOUDERA, PYTHON, Android Development Kit and ECLIPSE will be introduced to fulfill this gap.
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on Coding contest should be promoted among students
- Additional classes to be conducted for writing effective reports, design documents and effective presentations skills.
- Additional Technical classes to be conducted in the context of technological changes

- Motivational lectures will be organized for students to understand ethical principles and commit to professional ethics and responsibilities
- Students are encouraged to participate in various Social and cultural events to enhance leadership qualities in individuals as well as to make them work in team.

***Table B.7.1c*:POs Attainment levels & actions for improvement (2016-17) CAY**

PO Attainment(2016-17)												
PO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Actual /Ideal Value	54	54	54	54	54	54	54	54	54	54	54	54
Target Value	38	37	40	40	38	38	30	30	45	31	38	36
Target Value%	70.4	68.5	74.1	74.1	70.4	70.4	55.6	55.6	83.3	57.4	70.4	66.7
Attained Value	29	29.6	34.1	31.2	31	31.8	24	23.8	34.5	24.8	28.4	28.6
Attained Value % w.r.t. Ideal	53.7	54.8	63.1	57.8	57.4	58.8	44.4	44	63.8	45.8	52.6	52.9
Gap%	16.7	13.7	11	16.3	13	11.6	11.2	11.6	19.5	11.6	17.8	13.8

***Table B.7.1*d: PO Attainment (2016-17)**

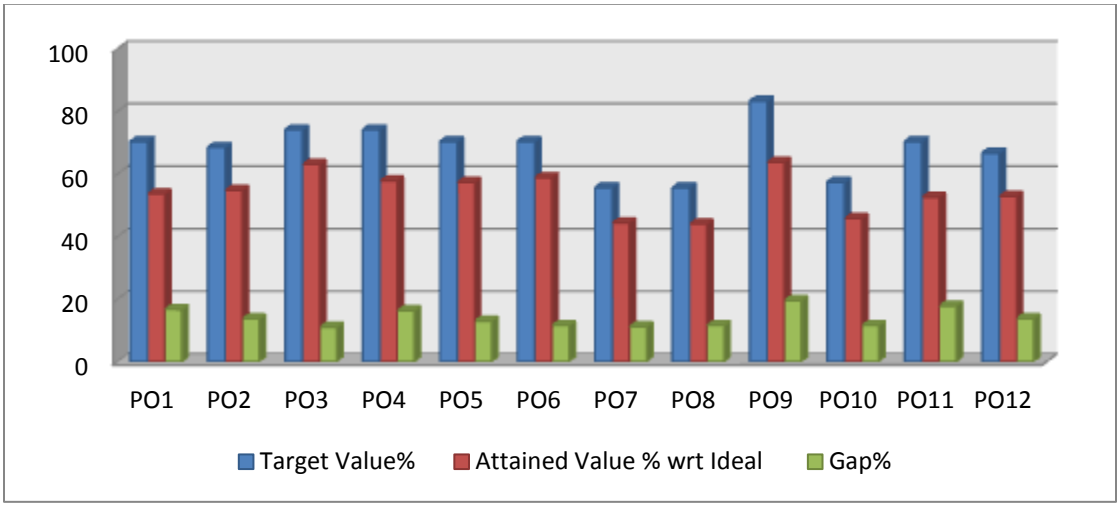


***Figure 7.1b*:POAttainment (2016-17)**

POs Attainment levels & actions for improvement (2017-18) CAY

POs	Target Level	Attainment Level	Observations
PO1. Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science and Engineering specialization to the solution of complex Computer Science and Engineering problems.			
PO1	70.4	59.3%	1. Students are needed to improve in implementing practical knowledge according to theoretical subjects.

			2. Some of the subjects like, Data Compression Techniques, Advanced Engineering Mathematics, and Compiler Construction are needed to be improved to attain the attainment level.

Actions

- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- Video lectures along with detailed course contents were held and students were also registered in online courses **(i.e. Swayam, NPTEL, MOOCs) launched by AICTE.**
- Additional classes to be conducted on Data Compression Techniques, Advanced Engineering Mathematics, and Compiler Construction.

PO2. Problem Analysis: Identify, formulate, research literature, and analyze complex computer Science and Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO2	64.8%	58%	**1.** Need of strong analytical power in students was realized and correlation between Mathematics & Science with engineering subjects was lacking. **2.** Some of the subject like Data Compression Techniques, Advanced Engineering Mathematics, Compiler Construction, are needed to be improved to attain the attainment level.

Actions

- Students were advised to observe the problems related to real life scenario.
- More home assignments are given for subjects that have computational importance
- Remedial classes to be conducted on subject in which target is not achieved.

PO3. Design/development of solutions: Design solutions for complex Computer Science and Engineeringproblems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO3	74.1%	66.1%	**1.** Approach towards the solutions of problems and development of minor and major projects were not fulfilling the industrial requirements. **2.** Some of the subject like Cloud Computing, Linux and Shell Programming, Data Mining & Ware Housing are needed to be improved to attain the attainment level.

Actions

- Encouragement to students regarding proper feasibility analysis and design and development of the product according to industry requirements
- Additional classes to be conducted on design solutions for complex engineering problems
- Coding contest should be promoted among students

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of Computer Science and Engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO4	74.1%	60%	**1.** Students are needed to improve in applying research based approach to the investigations required for creating projects. **2.** Some of the subject like Data Compression Techniques, Advanced Engineering Mathematics, and Compiler Construction are needed to be improved to attain the attainment level.

Actions

- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on Coding contest should be promoted among students
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern Computer Science and Engineering and IT tools including prediction and modeling to complex computer science engineering activities with an understanding of the limitations.

PO5	70.4%	61.5%	**1.** According to latest industry standards and to fill the gap between industry and academic, up gradation of tools and software were required. **2.** Some of the subject like Compiler Construction, Digital Logic Design, and Cloud Computing are needed to be improved to attain the attainment level.

Actions

- Latest software like Xilinx, MATLAB, SALESFORCE, HADOOP, CLOUDERA, PYTHON, Android Development Kit and ECLIPSE will be introduced to fulfill this gap.
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of

students to relate it to the classroom lectures.

- More activities on Coding contest should be promoted among students

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Computer Science and Engineering practice.

PO6	70.4%	63.2%	**1.** Content beyond the syllabus includes subjects related to needs of health safety and social needs of the society. **2.** Some of the subject like Compiler Construction, Digital Logic Design, and Cloud Computing are needed to be improved to attain the attainment level.

Actions

- Students should be motivated to involve in social initiatives to understand the social aspects which will help them to solve the problems of society with engineering practices.
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on society issues, Social issues and health related problems should be promoted among students

PO7. Environment and sustainability: Understand the impact of the professional Computer Science and Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO7	55.6%	46.8%	**1.** It was observed that role of students towards environment and global awareness needs to be improved. **2.** Some of the subject like Cloud Computing, and Advanced Engineering Mathematics are needed to be improved to attain the attainment level.

Actions

- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on professional engineering solutions in societal and environmental contexts and demonstration of the knowledge for sustainable development should be promoted among

students			
PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Computer Science and Engineering practice.			
PO8	59.3%	46.9%	**1.** Along with increase in technical knowledge, ethical knowledge was also required in graduates but due to less moral ethics few were behind in practical situations. **2.** Some of the subject like Advanced Engineering Mathematics, Data Compression Techniques, and Cloud Computing are needed to be improved to attain the attainment level.
Actions • Motivational lectures will be organized for self-realization ethical principles and commit to professional ethics and responsibilities • Students are encouraged to participate in various Social and cultural events. • Some of the workshops will be organized to understand the professional ethics, responsibilities and norms of the engineering practice.			
PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in Computer Science and Engineering.			
PO9	83.3%	68.2%	**1.** Few students were not able to make themselves compatible with other members in a group. **2.** Some of the subject like Cloud Computing, Real Time Systems, and Data Mining & Ware Housing are needed to be improved to attain the attainment level.
Actions • Motivating students to work in groups in technical studies • More extracurricular events will be organized to enhance leadership qualities in individuals as well as to make them work in team. • More activities on Coding contest should be promoted among students to work effectively as an individual and in a team			
PO10. Communication: Communicate effectively on complex Computer Science and Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			
PO10	57.4%	48.8%	**1.** Communication Skills were not up to the mark and needs to be improved for presentations to be performed.

			2. Some of the subject like Advanced Engineering Mathematics, Compiler Construction, and Cloud Computing are needed to be improved to attain the attainment level.

Actions

- Personality Development Skills will be imparted to students to enhance various aspects of communication, technical and Presentations skills
- Expert Talks to enhance aptitude, qualitative skills of the students
- Additional classes to be conducted for writing effective reports, design documents and effective presentations skills.

PO11. Project Management and Finance: Demonstrate knowledge and understanding of the Computer Science and Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO11	70.4%	55.9%	**1.** Implementation and feasibility of various projects can be done by properly analyzing and managing them according to the financial availability. **2.** Some of the subject like Advanced Engineering Mathematics, Compiler Construction, and Cloud Computing are needed to be improved to attain the attainment level.

Actions

- Students are encouraged to participate in entrepreneurship and startups programs.
- Additional classes to be conducted for demonstrating knowledge and understanding of the engineering and management principles to manage projects in multidisciplinary environments.
- Workshops and Industrial visits will be included to enhance the capability of students to apply their Knowledge to make , enhance and manage projects in multidisciplinary environments

PO12. Life –long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of Computer Science and Engineering change.

PO12	66.7%	57.3%	**1.** Students of 3rd and 4th year need to have conceptual knowledge of few basic and important courses which will help them in their future jobs. **2.** Some of the subject like Advanced Engineering Mathematics, Compiler Construction and Cloud Computing are needed to be improved to attain the

			attainment level.

Actions

- Latest software like Xilinx, MATLAB, SALESFORCE, HADOOP, CLOUDERA, PYTHON, Android Development Kit and ECLIPSE will be introduced to fulfill this gap.
- Video lectures should be planned for students and motivate them to register in online courses (i.e. Swayam, NPTEL, MOOCs) launched by AICTE.
- Workshops and technical activities were included in curriculum to enhance the capability of students to relate it to the classroom lectures.
- More activities on Coding contest should be promoted among students
- Additional classes to be conducted for writing effective reports, design documents and effective presentations skills.
- Additional Technical classes to be conducted in the context of technological changes
- Motivational lectures will be organized for students to understand ethical principles and commit to professional ethics and responsibilities
- Students are encouraged to participate in various Social and cultural events to enhance leadership qualities in individuals as well as to make them work in team.

***Table B.7.1e*:POs Attainment levels & actions for improvement (2017-18) CAY**

PO Attainment(2017-18)												
PO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Actual /Ideal Value	54	54	54	54	54	54	54	54	54	54	54	54
Target Value	38	37	40	40	38	38	30	30	45	31	38	36
Target Value%	70.4	68.5	74.1	74.1	70.4	70.4	55.6	55.6	83.3	57.4	70.4	66.7
Attained Value	32	31.3	35.7	32.4	33.2	34.2	25.3	25.4	36.9	26.4	30.2	31
Attained Value % w.r.t. Ideal	59.3	58	66.1	60	61.5	63.2	46.8	46.9	68.2	48.8	55.9	57.3
Gap%	11.1	10.5	8	14.1	8.9	7.2	8.8	8.7	15.1	8.6	14.5	9.4

***Table B.7.1f*: PO Attainment (2017-18)**

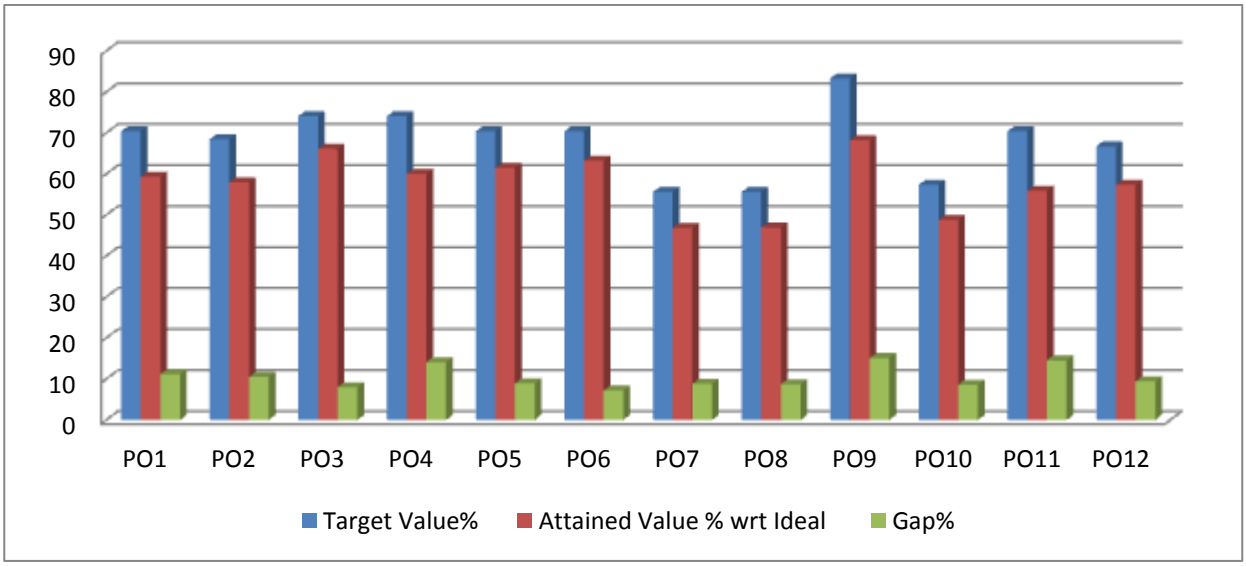


***Figure 7.1c*:PO Attainment (2017-18)**

Comparative Analysis of academic session 2017-18, 2016-17 and 2015-16

Attained Value % w.r.t. Ideal	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2015-16	30.6	31.5	38.9	35.9	32.6	35.8	24.4	22.9	39.7	30.5	31.9	31.2
2016-17	53.7	54.8	63.1	57.8	57.4	58.8	44.4	44	63.8	45.8	52.6	52.9
2017-18	59.3	58	66.1	60	61.5	63.2	46.8	46.9	68.2	48.8	55.9	57.3

***Table B.7.1g*: PO Attainment (2017-18, 2016-17 and 2015-16)**

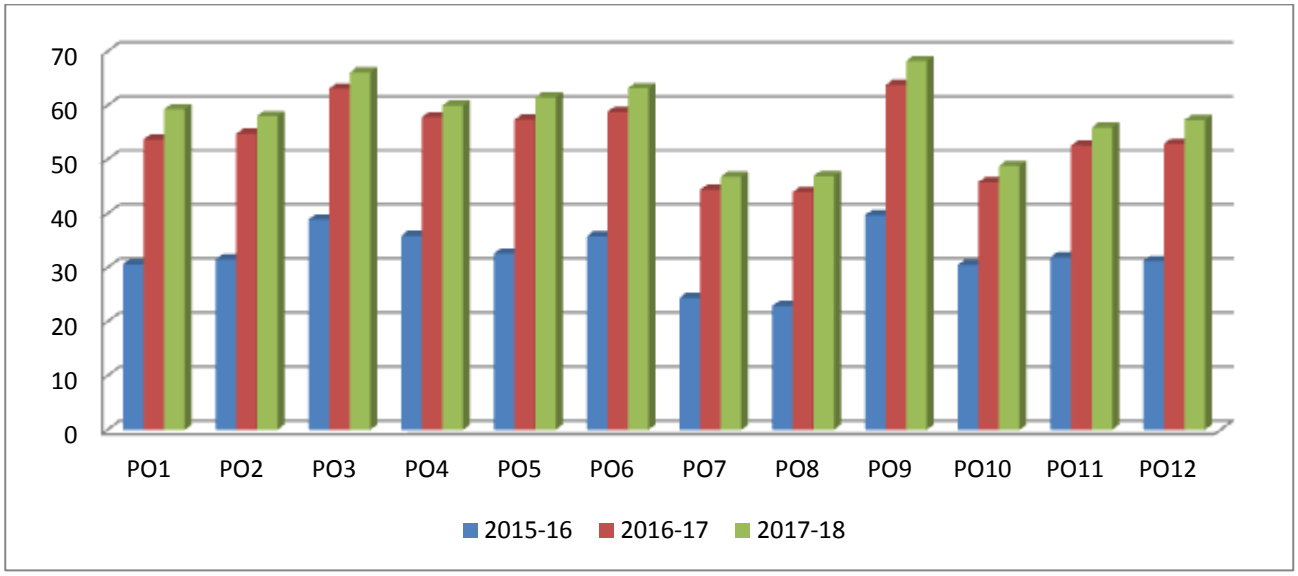


***Figure 7.1d*: PO Attainment (2017-18, 2016-17 and 2015-16)**

PSOs Attainment levels & actions for improvement (2016-17) CAY

PSO	Target Level	Attainment Level	Observations
PSO1. Ability to interpret and analyze network specific and cyber security issues in real world environment			
PSO1	90.47	30.95%	Solutions of problems and development of minor and major projects were not fulfilling the industrial requirements and students are lacking working and performing under real life constraints
Actions • Additional classes to be conducted for to interpret and analyze network specific and cyber security issues in real world environment • Workshops and Training program will be included to enhance the capability of students to apply their Knowledge to make and manage projects in multidisciplinary environments			

PSO2. Ability to design and develop Mobile and Web-based applications under realistic constraints.			
PSO2	90.47	53.80%	Students must solve problems for development of minor and major projects according to the industrial requirements students' needs to work and performing under real life constraints
Actions • Additional classes and training programs will be conducted design and develop Mobile and Web-based applications under realistic constraints. • Workshops and expert lectures will be included to enhance the capability of students to apply their Knowledge to make and manage Mobile and Web-based applications in multidisciplinary environments			

***Table B.7.1h*: PSOs Attainment levels & actions for improvement (2016-17) CAY**

PSOs Attainment levels & actions for improvement (2016-17) CAY

PSO	PSO1	PSO2
Ideal Value	21	21
Target Value	19	19
Target	90.47%	90.47%
Attained value	6.5	11.3
Attained value Ideal wise	30.95%	53.80%
Gap	59.52%	36.66%

Table B.7.1i: PSO Attainment (2016-17)

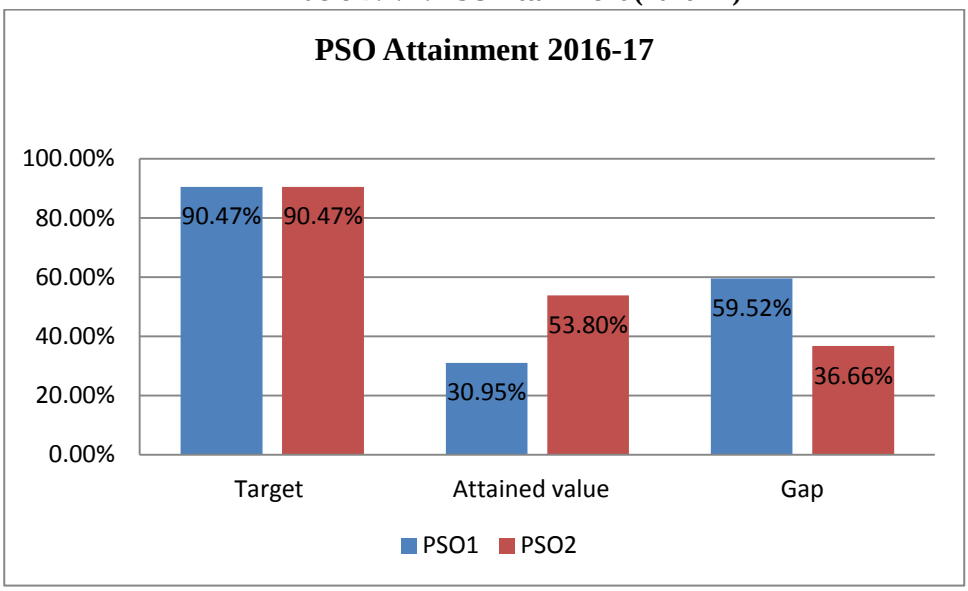


***Figure 7.1e*: PSO Attainment (2016-17)**

PSOs Attainment levels & actions for improvement (2017-18) CAY

PSO	Target Level	Attainment Level	Observations
PSO1. Ability to interpret and analyze network specific and cyber security issues in real world environment			
PSO1	90.47	48.47	Solutions of problems and development of minor and major projects were not fulfilling the industrial requirements and students are lacking working and performing under real life constraints
Actions • Additional classes to be conducted for to interpret and analyze network specific and cyber security issues in real world environment • Workshops and Training program will be included to enhance the capability of students to apply their Knowledge to make and manage projects in multidisciplinary environments • Students will be motivated to participate in coding contest and Hackathon to enhance their skills to solve in real life problems • Students are encouraged to participate in entrepreneurship and startups programs			
PSO2. Ability to design and develop Mobile and Web-based applications under realistic constraints.			
PSO2	90.47	64.28	Students must solve problems for development of minor and major projects according to the industrial requirements students' needs to work and performing under real life constraints
Actions • Additional classes and training programs will be conducted design and develop Mobile and Web-based applications under realistic constraints. • Workshops and expert lectures will be included to enhance the capability of students to apply their Knowledge to make and manage Mobile and Web-based applications in multidisciplinary environments • Students will be motivated to participate in coding contest and Hackathon to enhance their skills to solve in real life problems • Students are encouraged to participate in entrepreneurship and startups programs			

Table B.7.1j: PSOs Attainment levels & actions for improvement (2016-17) CAY

PSO	PSO1	PSO2
Ideal Value	21	21
Target Value	19	19
Target	90.47%	90.47%
Attained value	10.2	13.5
Attained value Ideal wise	48.57%	64.28%
Gap	41.90%	26.19%

Table B.7.1k: PSO Attainment (2017-18)

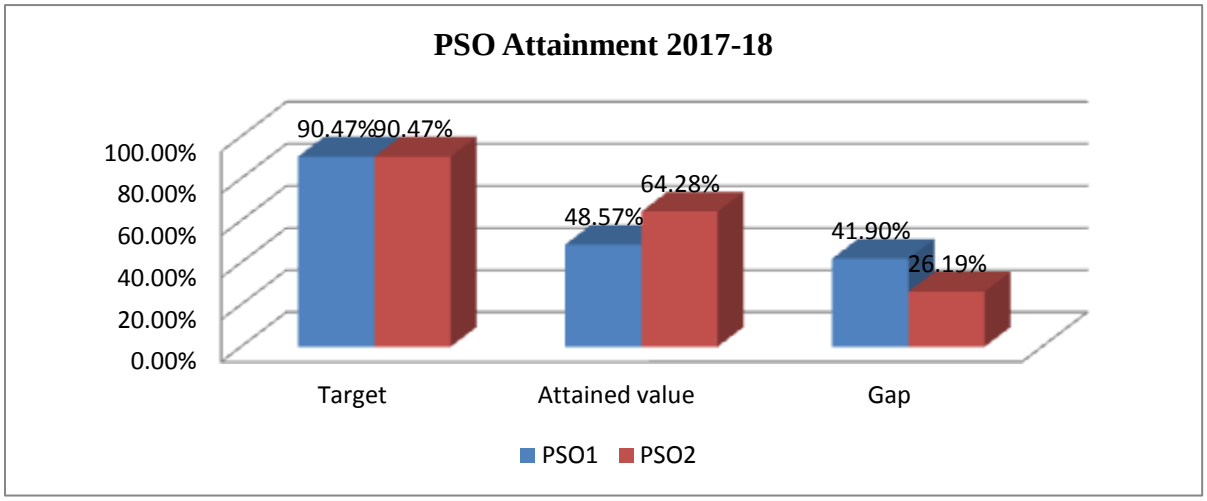


Figure 7.1f: PSO Attainment (2017-18)

Comparative Analysis of academic session 2016-17 and 2015-16

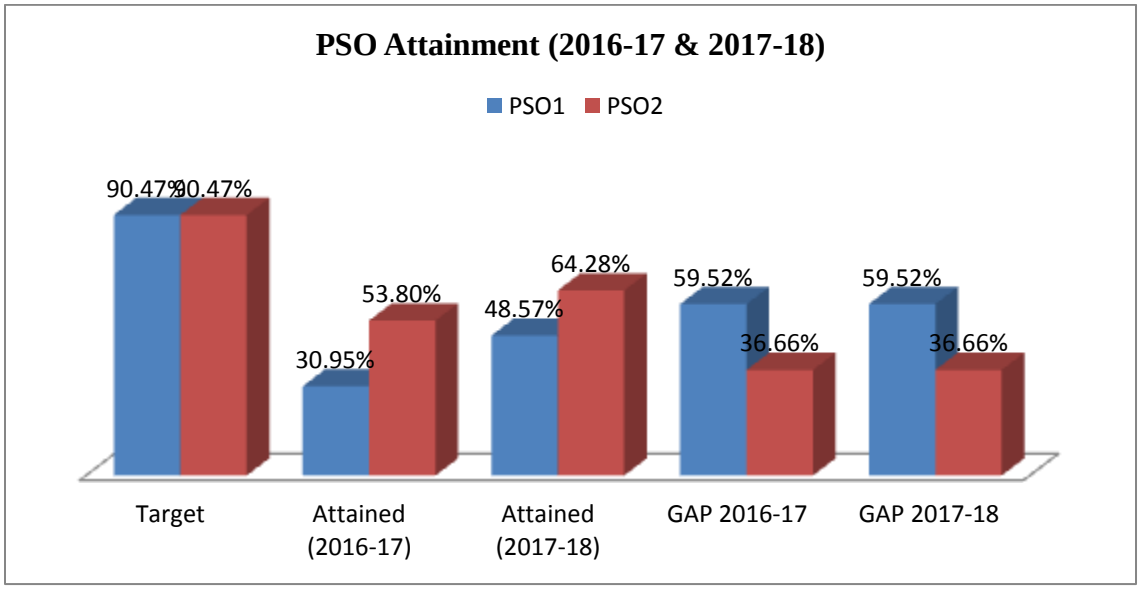


Figure 7.1g: PSO Attainment (2016-17 &2017-18)

7.2. Academic Audit and actions taken thereof during the period of Assessment (10)

(Academic Audit system/process and its implementation in relation to Continuous Improvement)

Academic Audit system at JECRC, Computer science and engineering department is projected for both faculty and students to monitor and better enhancement in the quality of teaching & learning process with their appropriate guidelines and support. Self-assessment of individual faculty members along with the students is the prime goal of the departmental IQAC (Internal Quality Assurance Committee) team.

- Members of this Academic audit IQAC team are consisting of program coordinator and senior faculty members of the department.
- Academic Audit is done twice at one semester.
  - First audit includes, monitoring teaching process, time- table, Teachers Dairy (course plan and course coverage), lab equipment's requirements, 1st sessional result analysis faculty wise.
  - Second Audit includes, addressing the difficulties faced by students as well as faculty members and take suitable remedial actions, final result analysis, coverage of syllabus etc.
- IQAC team also looks into the faculty development programs (FDP) along with the technical and research oriented activities of both students and faculty members.

OBJECTIVES OF ACADEMIC AUDITING:

(i) To ensure academic continuous improvement.

(ii) To enhance the quality of each component of the departmental functionalities and to ensure quality of education system in respective to both students as well as faculty members.

DOCUMENTS TO B E PRODUCED FOR AUDIT TEARCHERS DIARY AND COURSE FILE

Following documents are maintained at the department level for the purpose of academic audit:

1. Class Time Table & Faculty Time Table.
2. Teacher's Diary for all the courses including practical, seminar, project etc.
3. Course File
4. Lab manuals for practical courses
5. Equipment Stock register used in Laboratories
6. Consolidated Attendance & marks statement of students
7. Seminar &Project (Mini project/Design project/Final semester project) progress review report

8. Register of internal evaluation marks
9. Result Analysis
10. Department Activities / Events register
11. Internships/ Industrial visits/ Summer training / Workshops/ Technical competitions attended by students
12. Details of students' Placements, Higher education, competitive exams etc.
13. Students feedback reports

These documents are updated regularly in the process of quality assurance.

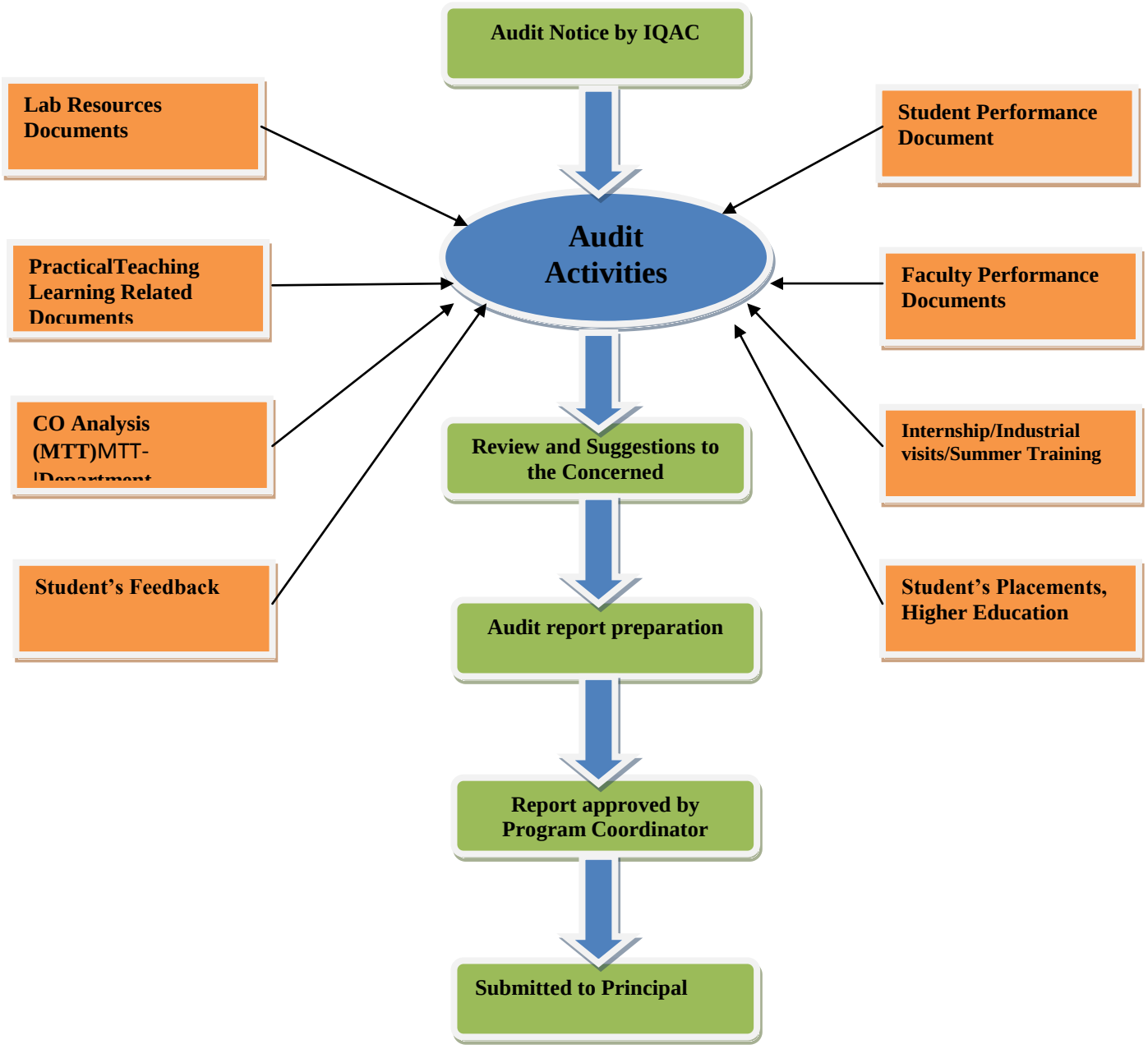


Figure 7.2a: Audit Process of CSE Department

The Following are the team members of IQAC audit for session (2016-17)

S.NO.	Name	Designation	Responsibilities
1.	Dr. Bhavna Sharma	Associate Professor	Dept.NBA coordinator
2.	Mr. Amit Mithal	Assistant Professor	II Shift Program coordinator.
3.	Mr. Gajendra Sharma	Assistant Professor	EDC, IIPC coordinator.
4.	Mrs. Anima Sharma	Assistant Professor	Training & Placement Officer.
5.	Ms. ShikhaMaheshwari	Assistant Professor	3rd Year Class Coordinator.
6.	Mrs. HemlataSoni	Assistant Professor	2nd Year Class Coordinator.
7.	Ms. C JebaNegaCheltha	Assistant Professor	Examination In charge.

Table B.7.2a: IQAC audit Member of session (2016-2017)

Sample of 1st audit meeting in session (2016-2017):

Criterion	Items	Reviews
Teaching learning related Documents		
Course File	Formatting	Alignment, Table Format, Page Layout
	Content	Content Improve, Assignments, Weak Student list
Time Table	Time slots	Extra Co-Curricular Activities, Library Period, Timing, Analytical Aspect in Research
Student Performance Documents		
Result Analysis	Improvement	Analysis of Weak Student, Activities of Student, Problem Analysis
Faculty Performance Documents		
Result Analysis	Improvement	Analysis last year result faculty wise
Performance	Faculty	Concern Subject knowledge, Team Work ideal for a professional, Social Service Activities, Interact with Students
	Teaching Methods	PPT, Video, Expert Lecture, Course Planners, Awareness Program, Team Work, Project Management, Professional Competency
	Syllabus	Completion
	Notes	Availability
FDP	Quality	Technical, Communication Supportive, Guest Lectures, Interview Facing Skills, Ethics
	Area Concern	Related to Subject, In-house Research Projects
Lab Resources Documents		
Stock	Stock Register	Stock register are maintained properly

Table B.7.2b:IQAC 1st audit Meeting of session (2016-2017)

Sample of 2nd audit meeting in session (2016-2017):

Criterion	Items	Reviews
Teaching learning related Documents		
Course File	Formatting	Updated ass mentioned in previous audit meeting
	Content	Updated ass mentioned in previous audit meeting
Lecture and Labs	Time Table	Updated ass mentioned in previous audit meeting
Student Performance Documents		
Class Record	Attendance	Most of the students are having less attendance, conduct some extra classes
	Debarred list	Not prepare till yet
Result Analysis	Improvement	Analysis of Weak Student and give them some assignments
Faculty Performance Documents		
API	Faculty	Analysis of Research, Results
Department Activities / Events		
FDP	Quality	Technical ,Communication Supportive
Event	Intra class Quiz	Related to Subject
	Paper presentation	Plan to conduct
Lab Resources Documents		
Stock	Stock Register	Required to properly maintain with in charge signature
Internships/ Industrial visits/ summer training		
Internship	Record File	Some of the Student record are missing
Industrial Trip	Record File	Mapping with Course benefits, Feedback of student
Summer training	Record File	The level of company, No objection certificates, presentation the training work
Students' Placements, Higher education		
Placements	Record File	Analysis student performance, Extra mentioning on week students
	Extra classes	Attendance, performance
Higher Education	Record File	Maintain the record of the student
	Extra classes	Attendance, performance
Student's feedback		
Feedback	Record File	Feedback form record, analyze accordingly for further improvement

Table B.7.2c:IQAC audit 2nd Meeting of session (2016-2017)

The Following are the team members of IQAC audit for session (2017-18)

S.NO.	Name	Designation	Responsibilities
1.	Dr. Bhavna Sharma	Associate Professor	NBA coordinator
2.	Mr. Amit Mithal	Assistant Professor	II Shift Program coordinator.
3.	Mr. Gajendra Sharma	Assistant Professor	EDC, IIPC coordinator.
4.	Dr..Neelam Choudhary	Assistant Professor	Training Incharge
5.	Dr. Sanjay Gaur	Assistant Professor	NBA Coordinator.
6.	Mrs. Hemlata Soni	Assistant Professor	2nd Year Class Coordinator.
7.	Ms. C Jeba Nega Cheltha	Assistant Professor	Examination In charge.

Table B.7.2d: IQAC audit Member of session (2017-2018)

7.3 Improvement in Placement, Higher Studies and Entrepreneurship

Assessment is based on improvement in:

- *Placement: number, quality placement, core industry, pay packages etc.*
- *Higher studies: performance in GATE, GRE, GMAT, CAT etc., and admissions in premier institutions*
- *Entrepreneurs*

Item	CAYm1	CAYm2	CAYm3
Total No.of Final Year Students (N)	202	154	156
No.of Students Placed in Companies or Government Sector (X)	152	112	86
No.of Students Admitted to higher Studies with Valid qualifying Scores (GATE or equivalent	9	11	11
No. of Students turned entrepreneur in Engineering/ Technology (Z)	4	4	0
X+Y+Z=	165	127	97
Placement Index: (X+Y+Z)/N	0.816	0.824	0.621
Average Placement= (P1+P2+P3)/3	0.753		

Table B.7.3: Improvement in Placement, Higher Studies and Entrepreneurship

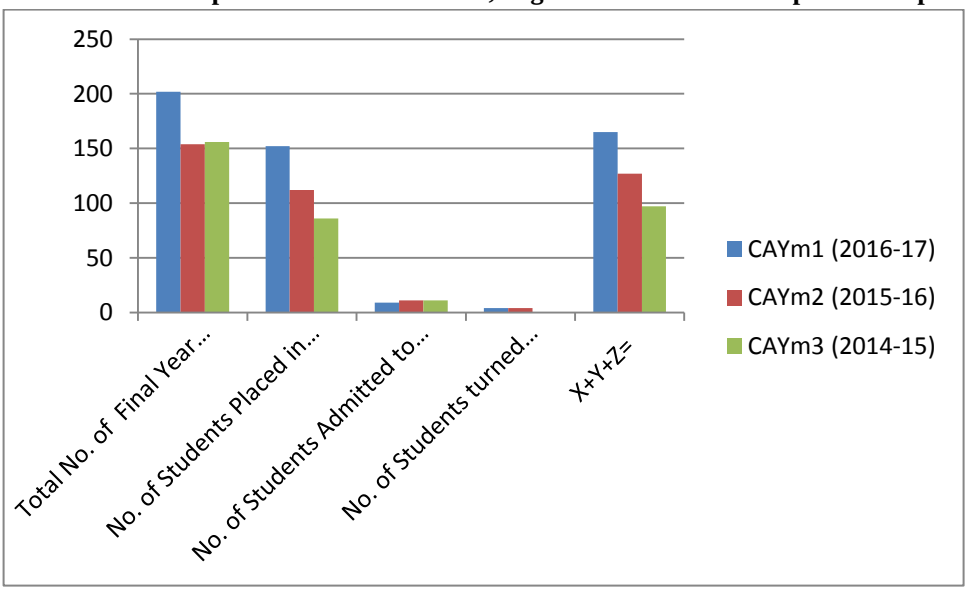


Figure 7.3: Improvement in Placement, Higher Studies and Entrepreneurship

7.4. Improvement in the quality of students admitted to the program (10)

Assessment is based on improvement in terms of ranks/score in qualifying state level/national level entrances tests, percentage marks in Physics, Chemistry and Mathematics in 12th Standard and percentage marks of the lateral entry students.

Item		2018-19	2017-18	2016-17
National Level Entrance Examination(Name of Exam:AIEEE)	No. of students admitted	192	189	189
	Opening Score	151	155	176
	Closing Score	74	78	112
Lateral entry details	No. of students admitted	0	10	4
	Opening Score/Rank	NA	NA	NA
	Closing Score/Rank	NA	NA	NA

Table B.7.4: Improvement in the quality of students admitted to the program

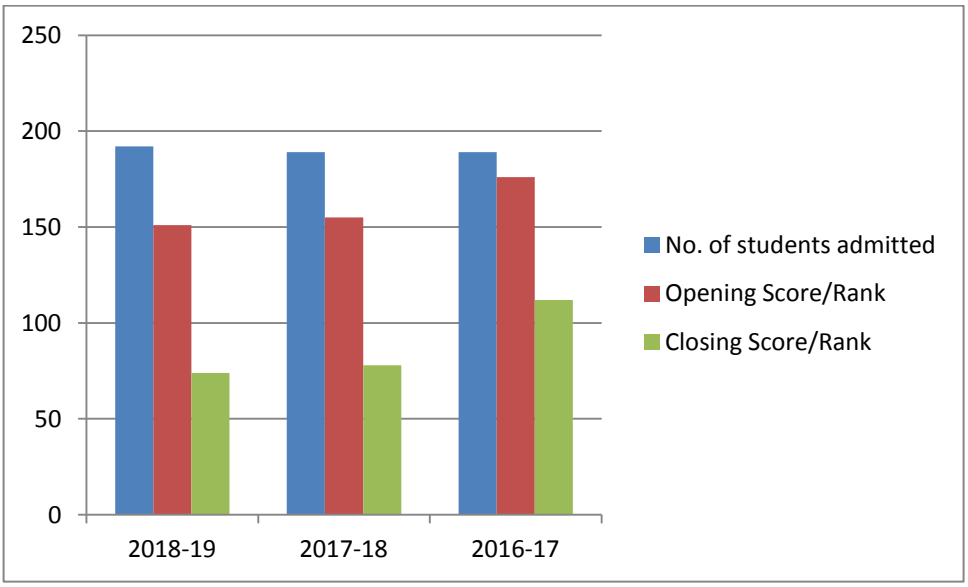


Figure 7.4: Improvement in the quality of students admitted to the program

Criteria 8

STUDENT SUPPORT SYSTEM

(50)

CRITERION 8	First Year Academics	50

8. FIRST YEAR ACADEMICS (50)

8.1 First Year student faculty Ratio (5)

Data for first year courses to calculate FYSFR

Year	No. of students (Approved intake strength)	No. of faculty members (Considering fractional load)	FYSFR	Assessment = (5×20)/Average FYSFR (Limited to Max. 5)
2018-2019	990	46	21.52	4.64
2017-18	997	48	20.77	4.81
2016-17	1020	51	20	5.0
Average	**1002**	**48.33**	**20.76**	**4.81**

Table B. 8.1: First Year student faculty Ratio

8.2 Qualification of Faculty Teaching First Year Common Courses (5)

Assessment of qualification = (5X+3Y)/RF, X = No. of Regular Faculty with Ph.D., Y = No. of Regular Faculty with Post Graduate qualification, RF = No. of faculty members required as per SFR of 20:1, faculty definition as define in 5.1

Year	X	Y	RF	Assessment of faculty qualification (5X+3Y)/RF
2018-19	22	24	49.50	3.67
2017-18	24	24	49.85	3.85
2016-17	29	22	51.00	4.13
Average Assessment				**3.88**

Table B. 8.2a:Assessment of Qualification

8.3 First Year Academic Performance (10)

Academic Performance = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks in First Year of all successful students/10)) x(number of successful students/number of students appeared in the examination)

S. No.	CAY	Academic Performance (10 Scale)
1	CAY (2018-19)	Result yet to be declared
2	CAY-1 (2017-18)	7.9
3	CAY-2 (2016-17)	7.9

Table 8.3a Academic Performance(10 Scale)

First Year Academic Performance is shown in the table below:

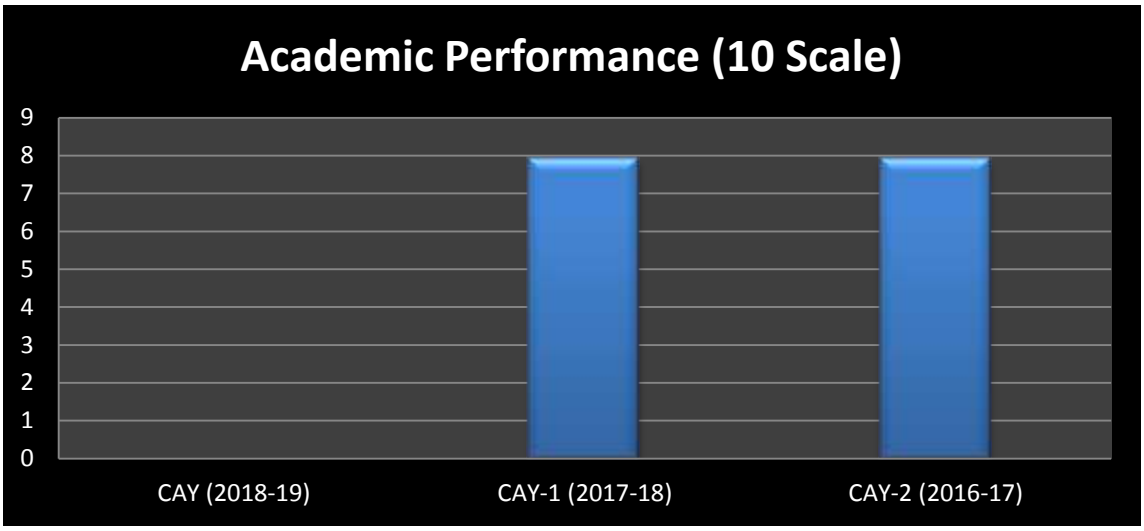


Figure 8.3b: Academic Performance(10 Scale)

2017-18 (II Sem)

S.No	SUBJECT	No. of Students	Passed	Mean of %	10 scale
1	Communication Skills	524	517	98.66	9.7
2	Human Values	486	476	97.94	9.6
3	Engineering Chemistry	469	398	84.86	7.2
4	Engineering Physics	500	438	87.60	7.7
5	Engineering Mathematics-II	964	874	90.66	8.2
6	Basic Civil Engineering	861	794	92.22	8.5
7	Computer Programming-II	984	826	83.94	7.0
8	Engineering Mechanics	1016	831	81.79	6.7
9	Basic Mechanical Engineering	127	91	71.65	5.1
	AVERAGE	**656**	**583**	**87.70**	**7.7**

Table B.8.3c: Academic Performance 2017-18 Sem.-II

(2017-18 Sem.-I)

S. No.	Subject	No. of Students	Passed	Mean of %	10 Scale
1	Communication Skills	490	484	98.78	9.8
2	Human Values	523	500	95.60	9.1
3	Engineering. Chemistry	511	464	90.80	8.2
4	Engineering Physics	474	379	79.96	6.4
5	Engineering Mathematics I	974	794	81.52	6.6
6	Environmental Engineering and Disaster Management	986	930	94.32	8.9
7	Computer Programming	994	892	89.74	8.1
AVERAGE		**707**	**635**	**90.10**	**8.1**

Table B.8.3d: Academic Performance 2017-18 Sem.-1

(2016-17 Sem. - II)

S. No.	Subject	No. of Students	Passed	Mean of %	10 Scale
1	Communication Techniques	1001	993	99.20	9.8
2	Engineering Mathematics-II	992	791	79.74	6.4
3	Engineering Physics-II	1005	880	87.56	7.7
4	Chemistry &Environmental Engineering	1001	936	93.51	8.7
5	Engineering Mechanics	1001	866	86.51	7.5
6	Fundamentals of Computer Programming	976	808	82.79	6.9
AVERAGE		**996**	**879**	**88.21**	**7.8**

Table B.8.3e Academic Performance 2017-18 Sem.-II

(2016-17 Sem.-I)

S. No.	Subject	No. of Students	Passed	Mean of %	10 Scale
1	Communicative English	1015	965	95.07	9.0
2	Engineering Mathematics-I	1014	822	81.07	6.6
3	Engineering Physics-I	1009	803	79.58	6.3
4	Engineering Chemistry-I	1014	959	94.58	8.9
5	Basic Electrical and Electronics Engineering	1019	875	85.87	7.4
AVERAGE		**1014**	**885**	**87.23**	**7.6**

Table B.8.3f Academic Performance 2016-17 Sem.-I

(2015-16 Sem. - II)

S. No.	Subject	No. of Students	Passed	Mean of %	10 Scale
1	Communication Techniques	1005	981	97.61	9.5
2	Engineering Mathematics-II	999	872	87.29	7.6
3	Engineering Physics-II	1002	906	90.42	8.2
4	Chemistry &Environmental Engineering	998	918	91.98	8.5
5	Engineering Mechanics	1002	846	84.43	7.1
6	Fundamentals of Computer Programming	1018	856	84.09	7.1
AVERAGE		**1004**	**896**	**89.30**	**8.0**

Table B.8.3g Academic Performance 2015-16 Sem.-II

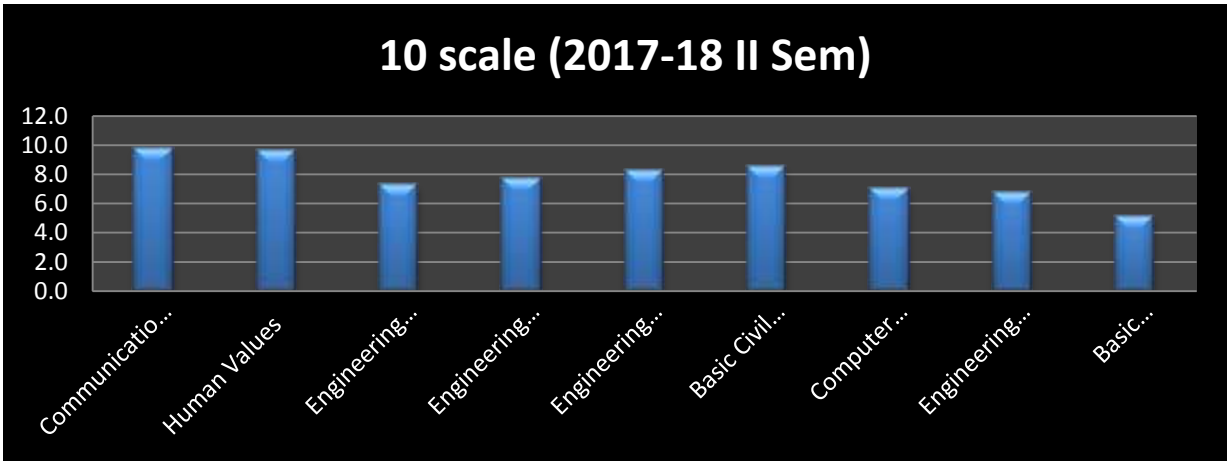


Figure 8.3b Academic Performance 2017-18 I Sem. (10 Scale)

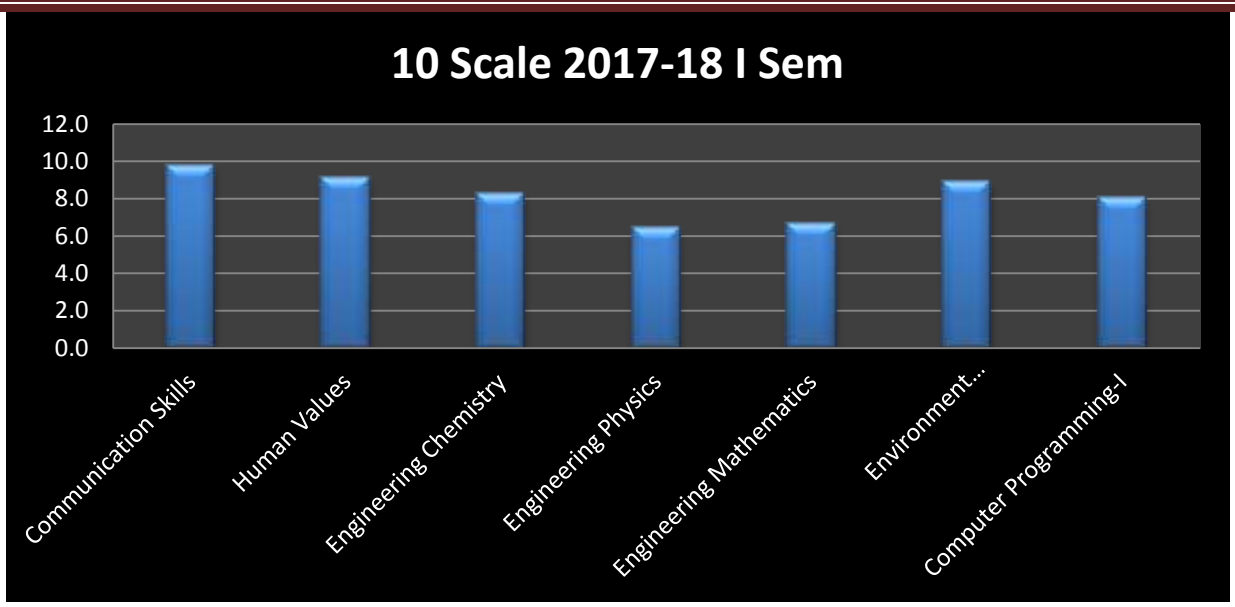


Figure 8.3c Academic Performance 2017-18 I Sem. (10 Scale)

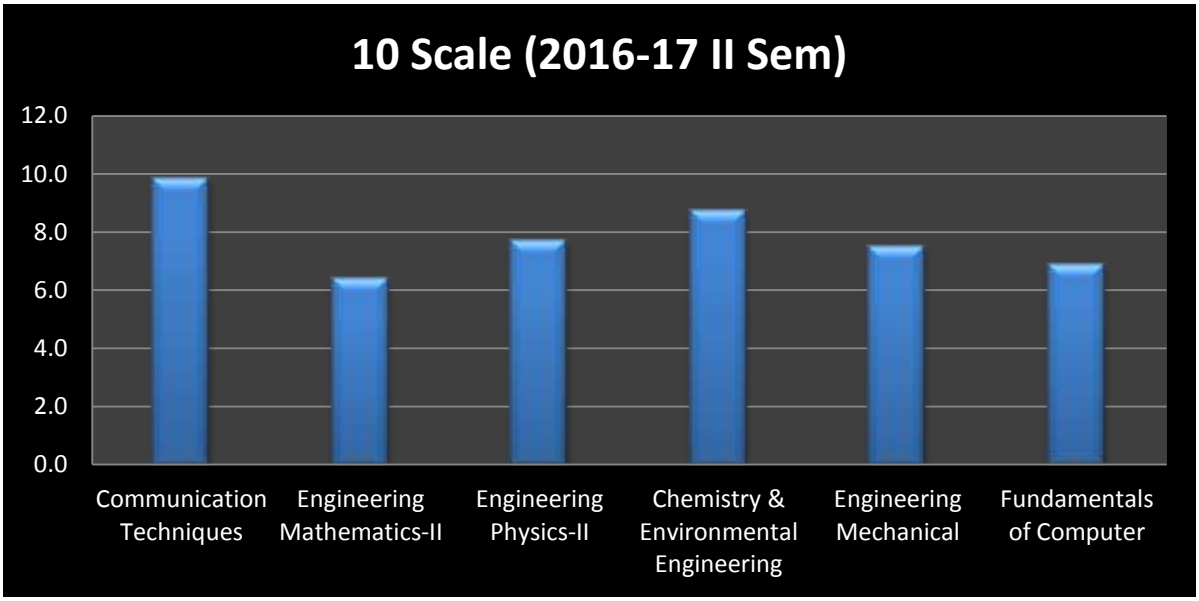


Figure 8.3d Academic Performance 2016-17 II Sem. (10 Scale)

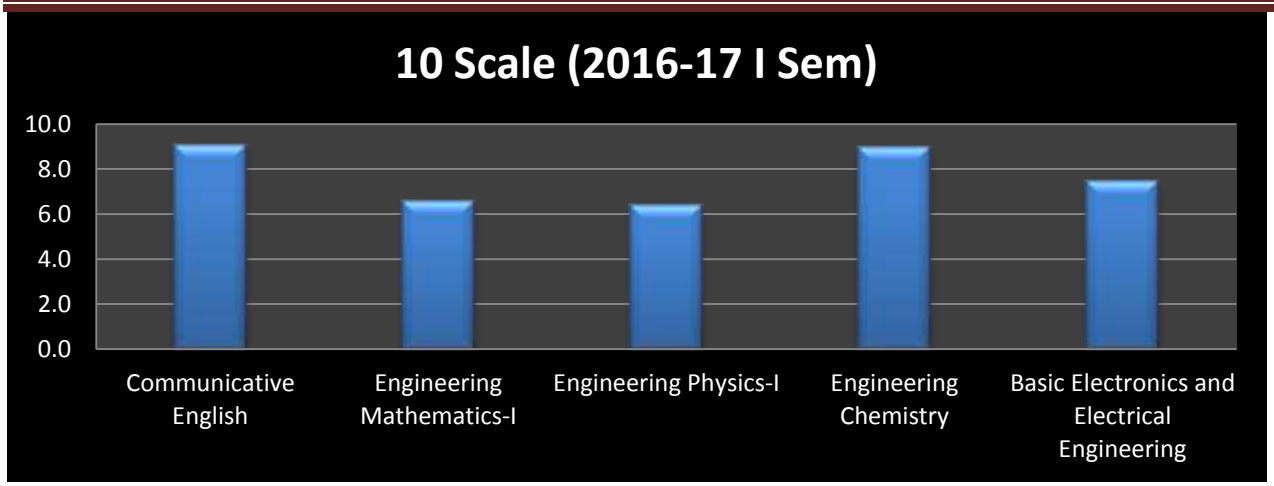


Figure 8.3e Academic Performance 2016-17 I Sem. (10 Scale)

8.4. Attainment of Course Outcomes of first year courses (10)

8.4.1. Describe the assessment processes used to gather the data upon which the Evaluation of Course Outcomes of first year is done (5)

(Examples of data collection processes may include, but are not limited to, specific examquestions, laboratory tests, internally developed assessment exams, oral exams assignments, presentations, tutorial sheets etc.)

The assessment process used to gather the data upon which the evaluation of course outcomes of first year is done is as follows:

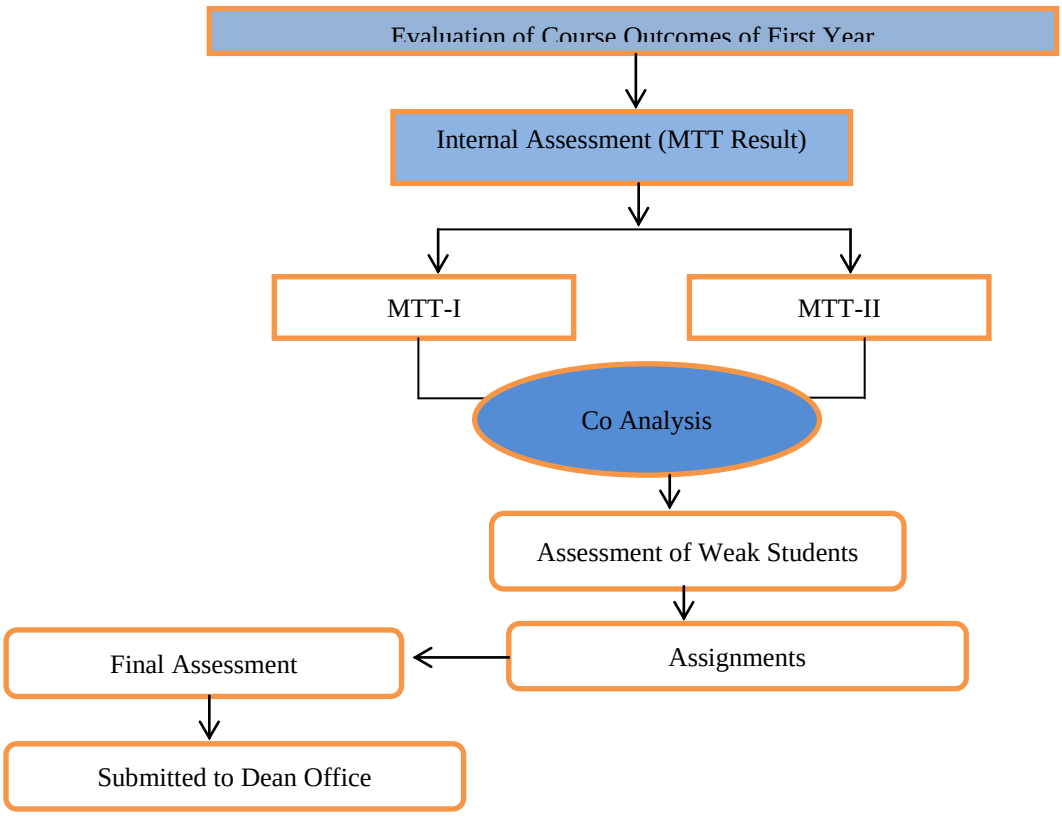


Figure 8.4a Attainment of Course Outcome of First Year Course

Assessment Process for the Year 2018-19

- Internal assessment will be done by taking two Mid Term Tests and assignment/presentations (co wise) as per the RTU guidelines.
- The performance of a student in internal assessment with respect to all the CO's will be recorded.
- End semester University exam performance of students for the maximum marks will be considered for external exam performance.
- For laboratory assessment, the over all performance of astudentin sessionalwill be assessed as in Final lab internal test, Final lab internal Viva voce and Class performance during the whole semester (record + attendance). Totalof these three is considered for internal lab assessment.
- Performance of a student inexternal lab exami.e.Practicalwillbeassessed as inperformance and viva voce. Total of this is considered for external practical exam performance.
- The summation of these two performances is considered ascumulative assessment for a prescribed lab outcome.

Assessment Process for the Year 2016-17 & 2017-18

- Two internal tests for a maximum marks10 are conducted and total of two internals is considered for final internal assessment.
- The performance of a student in internal assessment with respect to all the CO's is recorded.
- End semester University exam performance ofstudents for the maximum marks100 is considered for external exam performance.
- For laboratory assessment, the over all per formance of a student in sessional is assessed as in Final lab internal test,Final lab internal Viva voce andClass performance during the whole semester (Record + attendance). Total of these three is considered for internal lab assessment.
- Performance of a student inexternal lab exami.e.Practical is assessedas in performance and viva voce. Total of this is considered for external practical exam performance.
- The summation of these two performance sisconsidered as cumulative assessment fora prescribed lab outcome.

8.4.2. Record the attainment of Course Outcomes of all first year courses(5)

Program shall have set attainment levels for all first year courses.

(The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect the COs of a subject plus the performance in the University examination)

Attainment of Course Outcome

Target for Assessment Year 2017-2018= 60%

Semester I (2017-2018)

S. No.	Subject	CO1	CO2	CO3	CO4	Average Attainment
1	Communication Skills (HU-101)	79.63%	67.70%	82.10%	-	76.47%
2	Human Values (HU-103)	75.38%	66.79%	76.15%	-	72.77%
3	Engineering Mathematics-I(MA-101)	70.92	75.60	51.43	44.78	60.68%
4	Engineering Physics (PY-101)	70.75	69.55	73.53	-	71.28%
5	Engineering Chemistry (CY-101)	77.31%	66.07%	72.43%	69.42%	71.30%
6.	Computer Programming-I(CS-101)	48.2	51.1	47.3	53.5	50%%
7.	Environmental &Disaster Management(CE-101)	89.15	90.30	85.71	82.88	87.01%

Table B.8.4.2a Attainment of Course Outcome Semester I (2017-2018)

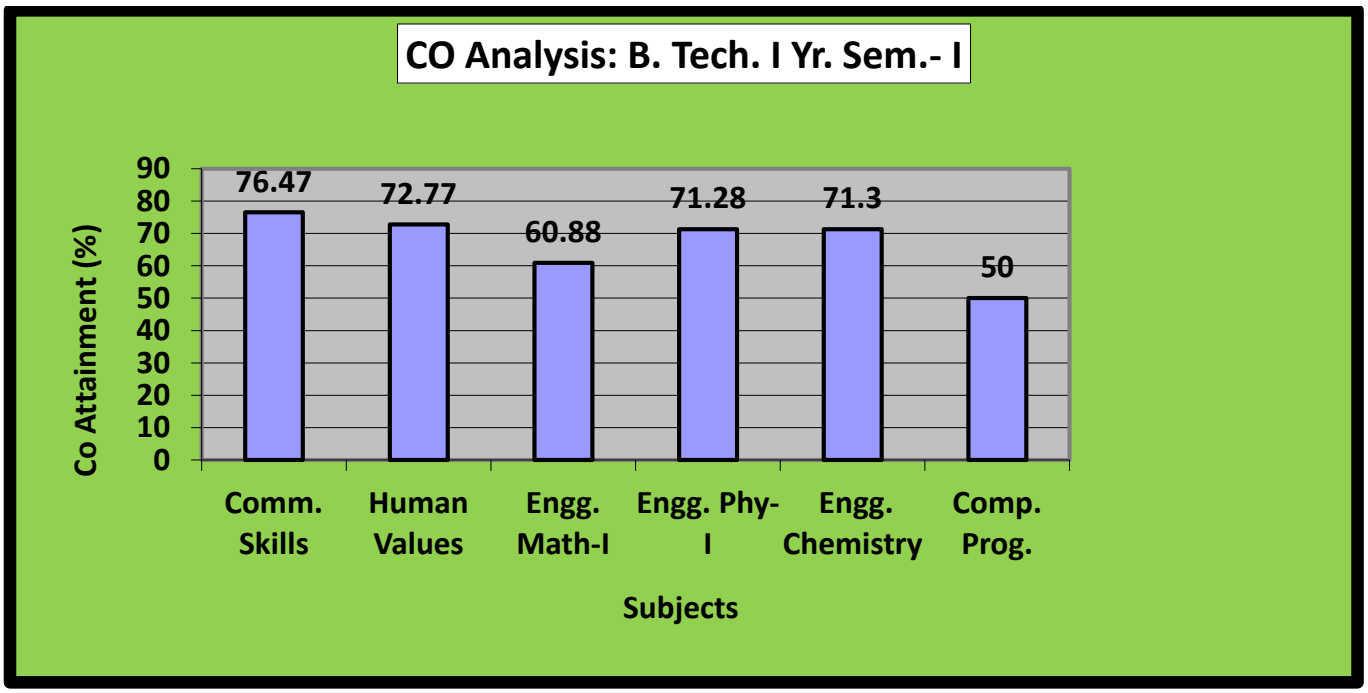


Figure 8.4.2a CO Analysis B.Tech I Yr. Sem.-I (2017-18)

Target for Assessment Year 2017-2018= 60%

Semester II (2017-2018)

S. No.	Subject	CO1	CO2	CO3	CO4	Average Attainment
1	**Communication Skills (HU-101)**	80.34	55.91	87.21	-	74.48
2	**Human Values (HU-103)**	70.49	67.62	73.15	-	70.42
3	**Engineering Mathematics-I(MA-101)**	81%	59%	79%	39%	65%
4	**Engineering Physics (PY-101)**	**76.57**	**75.45**	**79.05**	**--**	**77.04**
	Engineering Chemistry (CY-101)	60.83	43.99	71.16	52.73	57.18
6.	**Computer Programming-I(CS-101)**	65.83	58.14	66.86	64.11	63.73
7.	**Basic Mechanical Engineering (ME-101)**	82.38	87.32	-	-	84.85
8.	**Basic Civil Engineering (CE-103)**	85.07	83.23	66.75	76.64	77.93
9.	**Engineering Mechanics (OE-101)**	80	78.57	87.96	56.94	75.87

Table B.8.4.2b Attainment of Course Outcome Semester I (2017-2018)

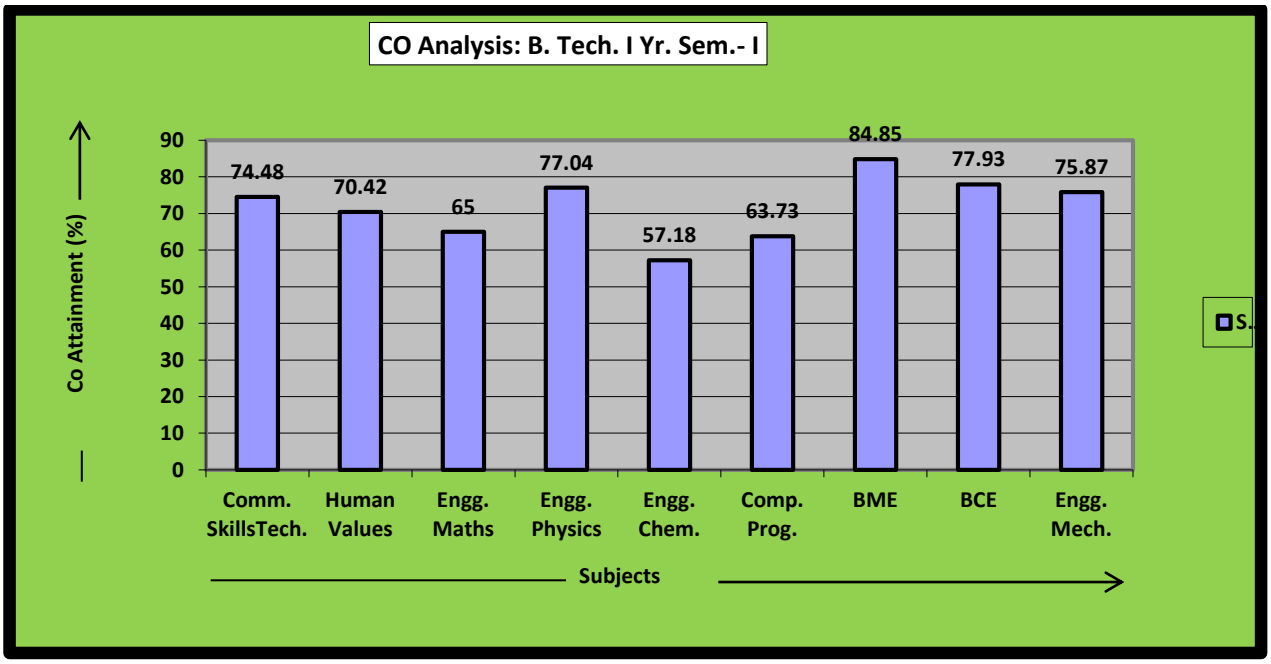


Figure 8.4.2b CO Analysis B.Tech I Yr. Sem.-II (2017-18)

Target for Assessment Year 2016-2017= 60%

Semester I (2016-2017)

S.No.	Subject	CO1	CO2	CO3	CO4	CO5	Average Attainment
1	Communicative English(101)	82.36	78.81	80.09	-	-	80.39
2	Engineering Mathematics-I(102)	70.73	49.99	61.93	-	-	60.88
3	Engineering Physics-I(103)	92.68	82.05	-	-	-	87.37
4	Engineering Chemistry(104)	86.53	79.66	57.54	---	---	74.57
5	Basic Electrical & Electronics Engg.(105)	54.27	44.04	42.43	47.81	52.5	48.20

Table B.8.4.2cAttainment of Course Outcome Semester I (2016-2017)

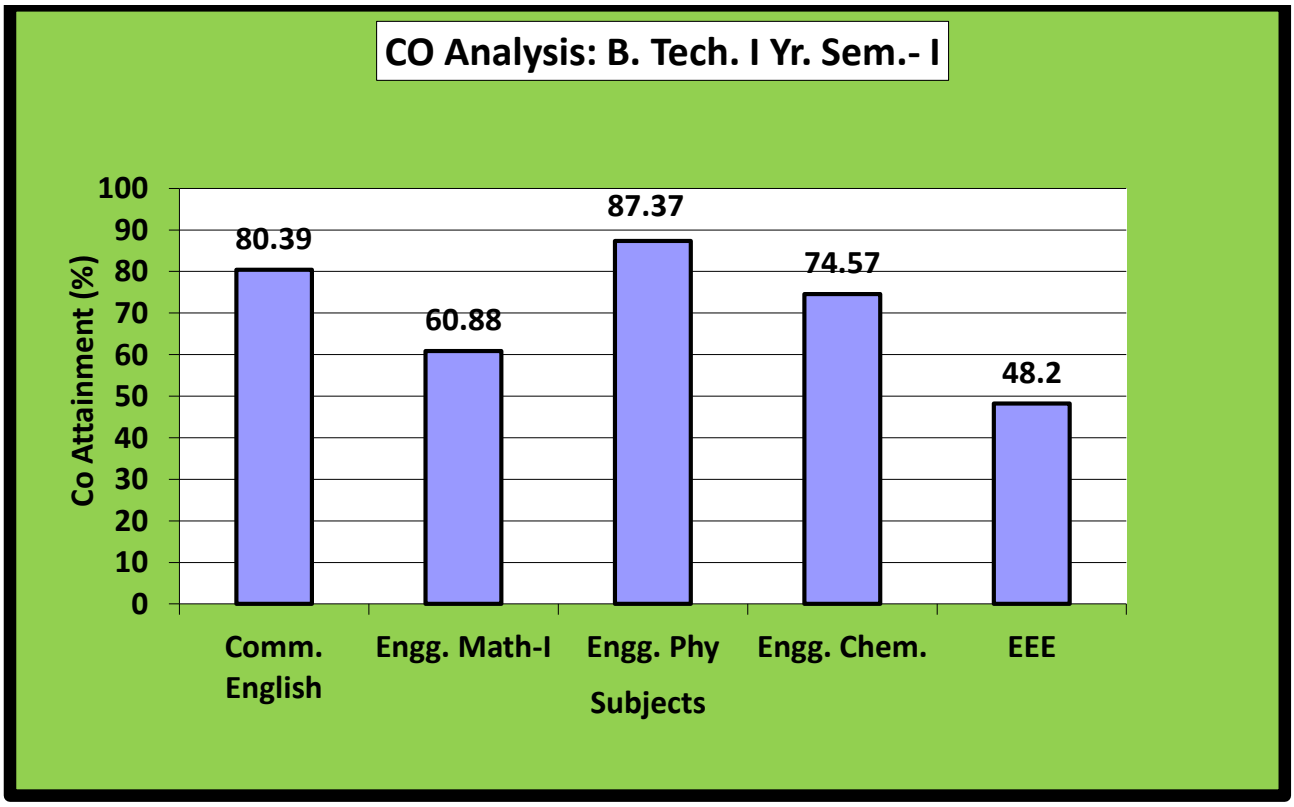


Figure 8.4.2c CO Analysis B.Tech I Yr. Sem.-I (2016-17)

Target for Assessment Year 2016-2017= 60%

Semester II (2016-2017)

S.No.	Subject	CO1	CO2	CO3	CO4	CO5	Average Attainment
1	Communication Technique(201)	76.22	84.41	74.11	-	-	78.24
2	Engineering Mathematics-II(202)	67	82	66	37	-	63
3	Engineering Physics-II(203)	77.26	80.48	-	-	-	78.87
4	Chemistry & Environmental Engg. (204)	85.74	68.96	63.76	-	-	72.8
5	Engineering Mechanics(205)	60.33	48.56	-	-	-	54.44
6	Fundamentals of Computer Programming(206)	77	60.5	79.3	53.8		67.65

Table B.8.4.2dAttainment of Course Outcome Semester II(2016-17)

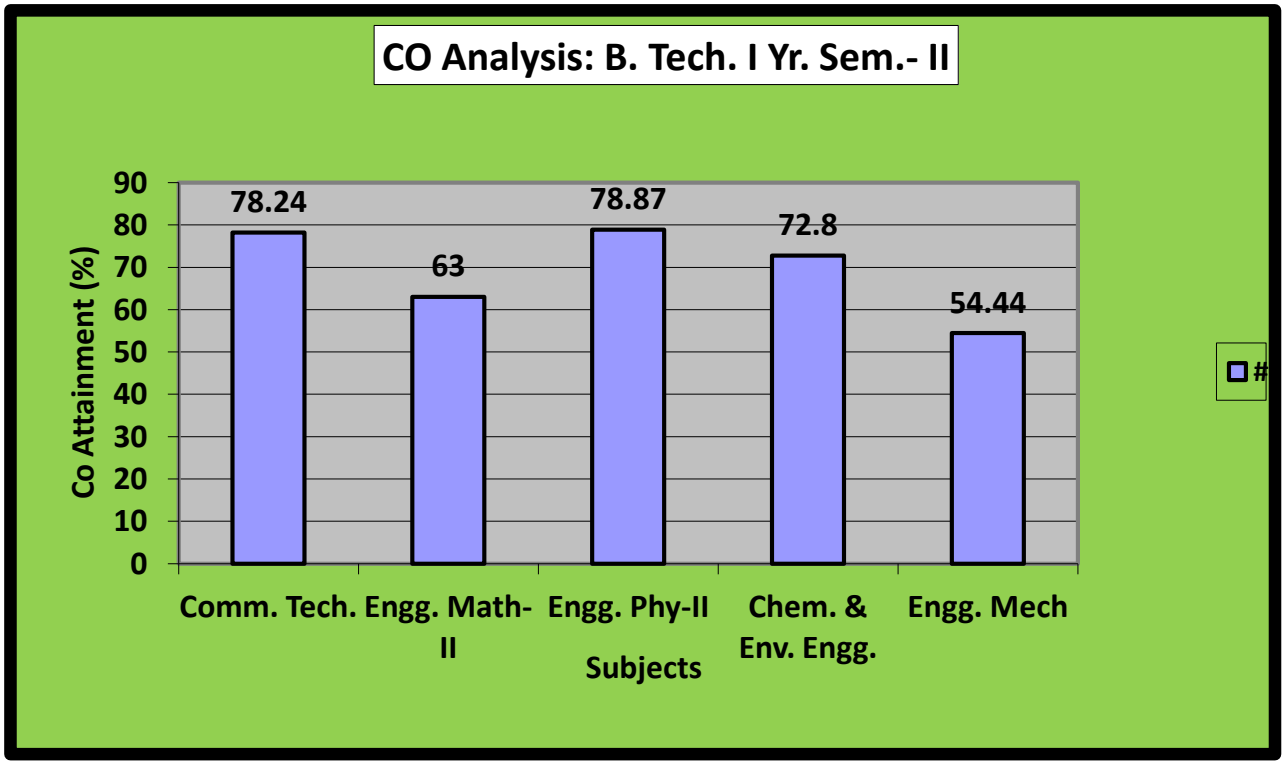


Figure 8.4.2d CO Analysis B.Tech I Yr. Sem.-II (2016-17)

8.5: Attainment of Program Outcomes from I year courses (20)

8.5.1: Indicate results of evaluation of each relevant PO and/or PSO, if applicable (15)

The relevant Program outcomes that are to be addressed at first year need to be identified by the institution.

Program outcome attainment levels shall be set for all relevant PO's and/or PSO's through First year courses.

(Describe the assessment processes that demonstrate the degree to which the Program outcomes are attained through First year courses and document the attainment levels. Also include information on assessment processes used to gather the data upon which the evaluation of each Program Outcome is based indicating the frequency with which these processes are carried out)

Assessment Process used to gather the data upon which the evaluation of each Program Outcome is based

Process to Calculate Attainment of PO's (Annualy)

Phase –I

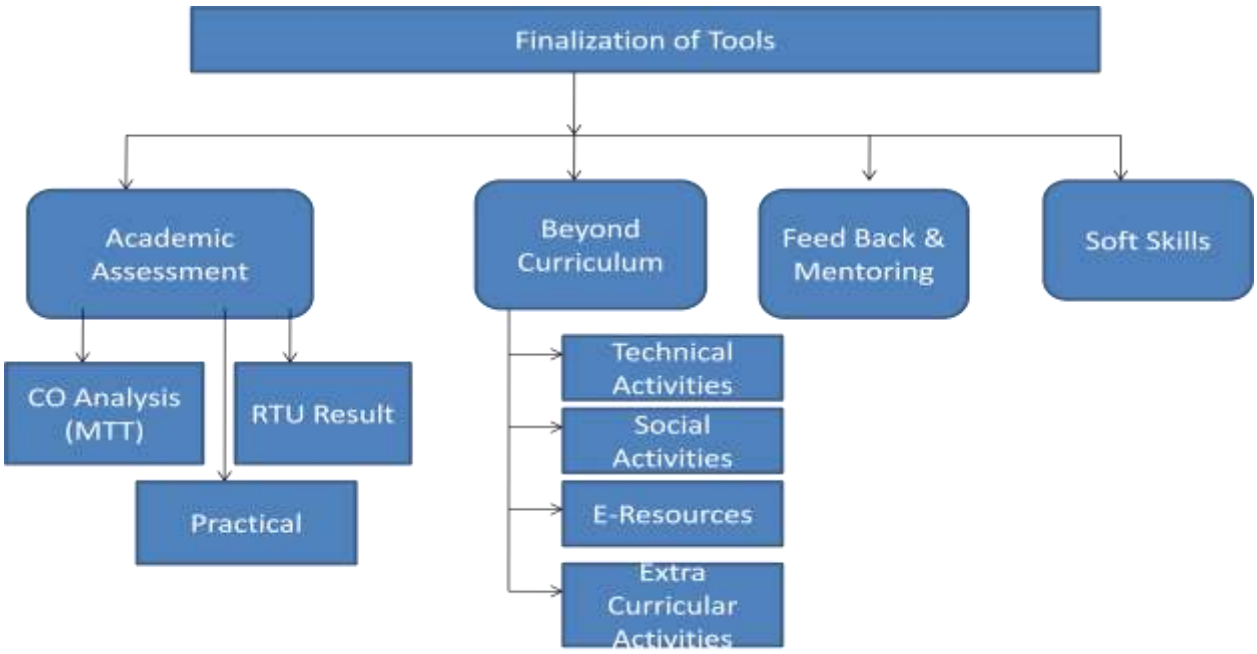


Figure 8.5.1a Process to Calculate Attainment of PO's

Phase –II

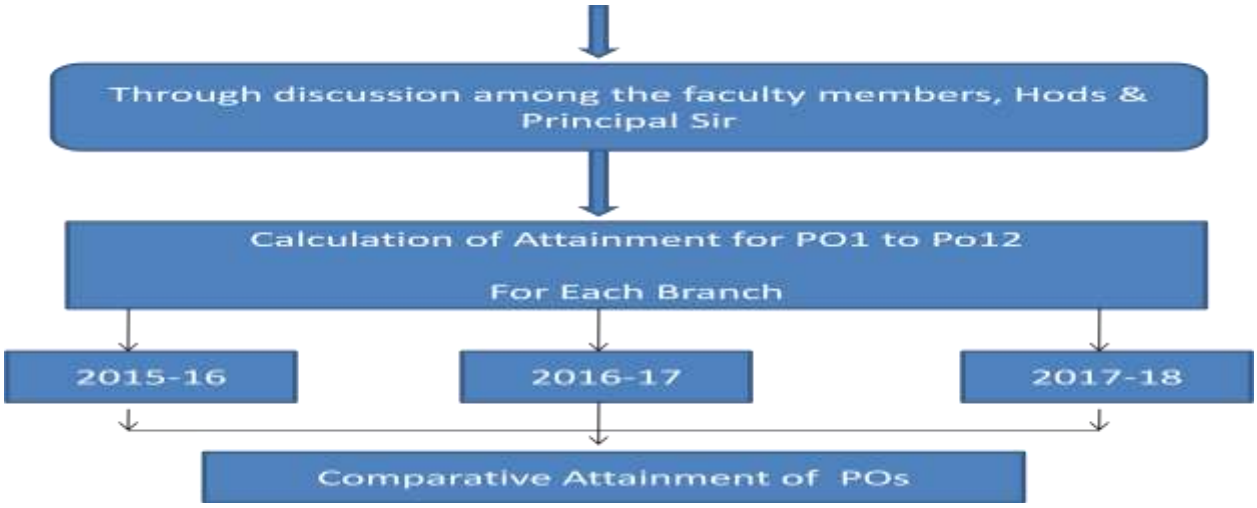


Figure 8.5.1bProcess of Finalization of Rubrics

Rubrics for PO Attainment

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	H	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	L	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	M	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	H	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	NA	>=25% students participated =>100% marks 20-24 % students participated =>80%

			15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	M	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	H	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80%
			>=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1aAssesment Process for Attaining PO1

PO2: Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	M	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	M	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	M	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%

Beyond Curriculum	Technical Events	H	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	M	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	M	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1bAssesment Process for Attaining PO2

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	M	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30%

			External assessment -1 =>20%
Beyond Curriculum	Technical Events	M	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	H	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	L	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	H	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1cAssesment Process for Attaining PO3

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks

			Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	H	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	L (2)	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	H	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1dAssesment Process for Attaining PO4

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50%

			Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	H	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	L	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
10%	Mentoring	H	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1eAssesment Process for Attaining PO5

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	NA	70% students >65%=>100% marks 70% students >60%=>80%

			60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	NA	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	H	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	L	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	L	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	H	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1fAssesment Process for Attaining PO6

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	M	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50%

			Else =>0 marks
	Final RTU Result	L	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	L	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	H	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	L	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	H	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1gAssesment Process for Attaining PO7

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Tool	Tools	Weightage	Mapping	Rubric
Academic Assessment	MTT Result	NA	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	NA	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	NA	NA	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	NA	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	NA	NA	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	NA	NA	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1hAssesment Process for Attaining PO8

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	L	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	H	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	NA	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	H	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	L	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1iAssesment Process for Attaining PO9

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	L	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	L	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	M	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	L	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	L	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	L	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	Mentoring	L	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70%

			>=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1jAssesment Process for Attaining PO10

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	NA	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	NA	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	NA	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks
	Extra Curricular Activity	NA	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks

Placement	Mentoring	NA	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	NA	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1kAssesment Process for Attaining PO11

PO12:Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Tool	Tools	Mapping	Rubric
Academic Assessment	MTT Result	L	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else =>0 marks
	Final RTU Result	L	70% students >65%=>100% marks 70% students >60%=>80% 60% students >65%=>60% 60% students >60%=>50% Else=> 0 marks
	Lab/Experiments	NA	Attendance=> 20%marks Performance =>20% marks Record /File =>10% Internal assessment -1 =>30% External assessment -1 =>20%
Beyond Curriculum	Technical Events	L	>=80% students participated =>100% marks 70-79% students participated=>80% 60-69% students participated=>60% 50-59% students participated=>50% Else=> 0 marks
	Social Events	L	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
	E-Resources	L	>=50% students =>100% marks 40-49 % students =>80% 30-39 % students =>60% 20-29 % students =>50% Else=> 0 marks

	Extra Curricular Activity	L	>=25% students participated =>100% marks 20-24 % students participated =>80% 15-19 % students participated =>60% 10-14 % students participated =>50% Else=> 0 marks
Placement	Mentoring	L	>=100% students mentored => 100% >=90% students mentored=> 90% >=80% students mentored => 80% >=70% students studied => 70% Else=>= 0 marks
	Soft Skills	L	>=80% students retained=> 100% >=70% students retained=> 80% >60% students retained => 70% >=50% students retained=> 60% Else=>= 0 marks

Table B.8.5.1lAssesment Process for Attaining PO12

PO Attainment Levels through First Year courses:

2018-19
Semeter I

Courses	Subject	PO1	PO2	PO3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12
Course	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO 8	PO 9	PO1 0	PO11	PO 12
CO101	Engineering Mathematics-I	3	1	-	-	-	-	-	-	1	1	-	1
CO102	Engineering Physics	2	1	-	-	-	0.25	-	-	1	0.25	-	1
CO102	Engineering Chemistry	2	1	0.75	0.5	-	0.75	0.75	-	-	0.75	-	-
CO103	Communication Skills	-	-	2	-	-	3	2	3	2	1	-	1
CO104	Programming for Problem Solving	1.5	1.75	1.75	1.75	1.25	0.5	0.75	NA	0.2 5	1.25	NA	1.5
CO105	Basic Electrical Engineering	2.66	2.33	1	1.33	1.33	-	-	-	2	0.33	-	-
CO106	Engineering Physics Lab	2	1	1	-	-	0.5	-	-	1	1	-	2
CO106	Engineering Chemistry Lab	1.66	1.66	-	1	-	-	0.66	-	1	2	-	-
CO107	Language Lab	-	1	-	-	-	1	-	-	3	3	-	1
CO108	Computer Programming Lab	1.67	1.33	1.67	0.33	0.67	1	NA	NA	1	0.67	NA	0.6 7

Table B.8.5.1(a) PO Attainment of Sem. I (2017-18)

2017-18
Semeter I

Courses	Subject	PO1	PO 2	PO3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12
MA-101	Engineering Mathematics-1	3	2	1	-	1.25	1	2	-	3	2	-	1
HU-103	Human Values	-	-	2	-	-	3	2	3	2	1	-	1
PY-101	Engineering Physics	2	1	1	-	-	1	-	-	1	1	-	1
CS-101	Computer Programming-I	2.75	1.75	1.50	1.75	1.5	1.25	1	-	-	1.25	-	2.5
CE-101	Environmental Engineering and Disaster Management	2	0.75	1	0.5	-	1.75	1.75	1	.75	.5	-	1
HU-104	Human Values: Activities	-	-	1	-	-	3	3	3	1	1	-	1
PY-102	Engineering Physics Lab	2	1	1	-	-	1	-	-	1	1	-	1
CS-102	Computer Programming-I Lab	2	3	2	1	-	-	-	-	2	1	-	1
CE-102	Computer Aided Engineering Graphic	3	-	-	-	-	-	-	-	2	2	-	1
ME-101	Mechanical Workshop Practice	3	-	-	-	-	-	-	-	2	2	-	1
	Average Attainment	2.46	1.58	1.21	1.08	1.37	1.71	1.95	2.33	1.63	1.27	_	1.15

Table B.8.5.1(b) PO Attainment of Sem. I (2017-18)

2017-18
SEM II

Courses	Subject	PO1	PO 2	PO3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12
MA-102	Engineering Mathematics-II	3	2	1	-	1.25	1	2	-	3	2	-	1
HU-101	Communication Skills	-	1	2	-	-	1	-	-	3	3	-	1
CY-101	Engineering Chemistry	2	1	0.5	0.5	-	0.25	0.5	-	-	0.5	-	-
CS-103	computer Programming-II	2.25	1.75	1.5	2.25	2	1.75	2	--	-	2	-	1.75
CE-103	BAsic Civil Engineering	1.5	1	.5	-	-	.25	.5	.25	.75	.25	.5	.25
ME-102	Basic Mechanical Engineering	2.25	-	.75	2.25	.75	. 2 5	1.5	2.25	. 5	1.25	-	1
CY-102	Engineering Chemistry Lab	2	2	-	1	-	-	-	-	1	2	-	-
CS-104	Computer Programming-II	2	2	3	1	-	- -	-	-	2	1	2	1
HU-102	Communication Skills Lab	-	1	-	-	-	1	-	-	3	3	-	1
ME-104	Computer Aided Machine Drawing	3	2	2	-	2	2	2	-	-	2	-	2
	Average Attainment	2.25	1.52	1.40	1.40	1.50	0.93	1.41	1.25	1.89	1.70	1.25	1.12

Table B.8.5.1(c) PO Attainment of Sem. II (2017-18)

2016-2017(I Semester)

Courses	Subject	PO1	PO2	PO3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12
101	Communicative English	-	1	1	-	-	-	1.3	-	-	3	-	1
102	Engg. Maths-I	3	3	1.6	1	1	1	1	-	2	2	-	1
103	Engg. Physics-I	3	3	1	.75	1.5	2.5	1.75	-	2	1.25	1	1.5
104	Engg. Chemistry	2	1.3	1	1	-	2	2	-	-	1	-	1
105	Basic EE	2.8	2.6	2	2	1.4	1.2	1.2	-	1.8	1	1.4	2.2
106	Physics Lab	3	3	2.5	1	2.5	3	2.5	2	2.5	1	1	2
107	Chemistry lab	2	1.67	1.67	1	-	2	2	-	1	1	-	1
108	EE Lab	2.8	2.9	1.4	-	-	2	-	-	0.33	-	-	3
110	Workshop	3	1.5	1	0.5	-	1	0.5	-	1	0.5	0.5	1.5
	AverageAttainment	2.7	2.21	1.46	1.03	1.6	1.83	1.53	2	1.51	1.34	0.97	1.57

Table B.8.5.1(d) PO Attainment of Sem.I (2015-16,2016-17,2017-18)

2016-2017(II Semester)

Courses	Subject	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
201	CommunicationTechniques	-	1	2	-	-	1	-	1	3	3	-	1
202	Engg. Maths-II	3	2	1	-	1.25	1	2	-	3	2	-	1
203	Engg. Physics-II	3	3	2	1	1.8	2.2	2	-	1.6	1.4	1	2
204	Chemistry &Env. Engg.	2	1.33	1	-	-	-	2	-	-	1	-	1
205	Engg. Mechanics	3	2	-	-	-	-	-	-	-	-	-	2
206	FOC	2.75	1.5	1.5	1.25	1.25	1	1.25	-	1.75	1.25	-	1.25
207	Physics Lab-II	3	3	2.5	2	3	3	1.5	1.5	2.5	2	1	2
208	Chemistry lab	2	1	1	1	-	1	2	-	1	1	-	1
209	CP Lab	2.7	1.5	1	1.2	1.2	1	1.2	-	1.7	1.2	-	1.2
210	Machine Drawing	3	2	2	-	2	2	2	-	-	2	-	2
211	CT Lab	-	-	1	-	-	1	-	1	3	3	-	1
	Average Attainment	2.71	1.83	1.5	1.29	1.75	1.46	1.74	1.16	2.19	1.78	1	1.4

Table B.8.5.1(e) PO Attainment of Sem.I (2015-16,2016-17,2017-18)

8.5.2. Actions taken based on the results of evaluation of relevant POs (5)

(The attainment levels by direct (student performance) are to be presented through Program level Course-PO matrix as indicated)

PO Attainment Levels and Actions for improvement – CAY only – Mention for relevant Pos

- **2018 -19 session going on (Results awaited)**

PO Attainment Levels and Actions for improvement – CAY (m1) only – Mention for relevant Pos

(2017-2018)

POs	Target Level in %	Attainment Level in %	Observations
PO1: Engineering knowledge:			
PO1	58.05	46.93	Observations: • Targets are not fully achieved in RTU results. • Students are not exposed to complex engineering problems.
Action 1: More technical activities were conducted to improve the participation of students. Action 2: University question papers are solved in classes.			
PO2: Problem analysis:			
PO2	67.38	55.61	Observations : • Students are not exposed to complex engineering problems • Curriculum designed for I Year does not contain literature research and analysis of problem
Action 1: Students are motivated to participate in science project exhibition for developing an analytical mind which can work towards problem solving. Action 2: Students are motivated for optimum utilization of E-Resources to enhance their knowledge.			
PO3: Design/development of solutions:			
PO3	67.79	62.75	Observations : • I Year curriculum include only basic knowledge of Engineering and sciences.
Action 1: More activities involving designing solutions like Hackathon are initiated in the campus. Action 2: Students are motivated to improve their participation in technical/social/extra-curricular activities.			
PO4: Conduct investigations of complex problems:			
PO4:	51.58	46.91	Observations : • Few activities related to understanding of complex problems and its investigation.

Action 1: Workshops are conducted to give the hands on experience to students and faculty.
Action 2: They are motivated to use E- Resources and register themselves in online courses.

PO5: Modern tool usage:

PO5	55.54	50.31	Observations : • Target and attainment both are less as students learn basics of computer programming in I Year. • Other subjects does not use modern IT tools for problem solving.

Action 1: Technical events are organized at institute level so that students can participate and learn latest techniques and methods of problem solving.
Action 2: Students are motivated to participate in inter college events to get exposure to real world problems.

PO6: The engineer and society:

PO6	61.8	56.33	Observations : • The students are found to be less active as far as social activities were concerned; also they were unaware about the basic health and safety issues with engineering point of view. • Most of the courses of B.Tech first year are not addressing the needs of, health, safety and social concerns regarding engineering practices in real life.

Action 1: The students are motivated to be a part of social groups like Soch, Suhasini, Aashayein, Zarurat available at Institute.
Action 2: These groups encouraged students to take part in Swachch Bharat drives, Blood Donation Camps, Village visits, voluntary teaching and mentoring of downtrodden children.

PO7: Environment and sustainability:

PO7	54.66	48.79	Observations : • Less awareness of students about the issues related to global and environmental sustainability.

Action 1: Students are encouraged to indulge in projects in which global and environmental issues are improved.
Action 2: The activities like Tree Plantation Drive and Cleanliness Drive are organized to instill in them the responsibility towards environment.
Action 3: The students were mentored to practice rain water harvesting, water conservation and waste recycling at the individual level.

PO8: Ethics:

PO8	14.27	10.99	Observations: • The students were reluctant to bear upon a responsibility in the competitive activities. Moreover, some of the students were found to be casual in their conduct.

Action 1: As far as professional conduct and behavior is concerned the students are made to attend anti- ragging seminars, interactive talks on personal conduct and behavior with eminent advisors in the college.
Action 2: The college has a well- established spiritual cell which encourages students to experience professional life with high moral conduct and spirituality.

PO9: Individual and team work:

PO9	69	63.07	Observations: • Classroom teaching does not provide environment for team work, whereas student can show his/her working as a team member or team leader during

			practical classes and other co curricular activities.
Action 1: The students are mentored and encouraged by the faculty to participate in group activities and lead the group as a responsible leader. The group activities included Hackathon, Fun activities at college fest, Model United Nations etc. Action 2: The activities like Group discussions, quizzes etc., technical events like J- Techtrix, JECRC Hackathon etc. and volunteering and coordinating for various events in annual fest Renaissance.			
PO10: Communication:			
PO10	49.94	40.27	Observations: • The students are found to be hesitant in public speaking and express their opinion.
Action 1: In order to address this issue, the group of students are asked to prepare and give power point presentations on the topics within the curriculum as well as the beyond the curriculum. Action 2: They are encouraged to participate in house and inter-college competitions to enhance their communication skills.			
PO11: Project management and finance:			
PO11	NA	NA	Observations: • I Year students are not involved in project management and finance, but they can learn the basics by participating in other activities organized in college.
Action 1: Annual Project exhibition is organized in the college where I year students participate learn the basics of project handling and finance.			
PO12: Life-long learning:			
PO12	33.05	25.18	Observations : • The students are ignorant about the significance of the subject in broader context of life.
Action 1: Lecture content includes applications and advances in subject knowledge of new techniques. Action 2: Students are mentored to work for better achievement forever. Action 3: Students are motivated to improve their participation in technical/social/extra-curricular activities.			

Table B.8.5.2a PO Attainment Levels and Actions for improvement for 2017-18

Attainment of Po's From I Year Courses in the year

2017-18

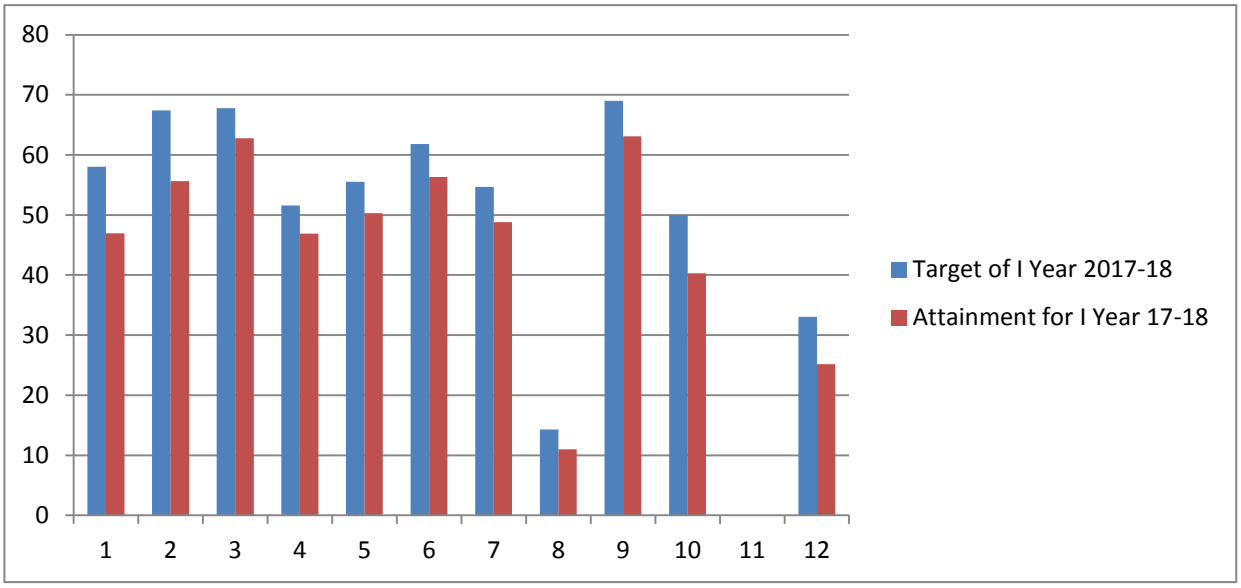


Figure 8.5.2a Attainment of Po's From I Year Courses in the year 2017-18

PO Attainment Levels and Actions for improvement – CAY (m2) only – Mention for relevant Pos

(2016-2017)

POs	Target Level in %	Attainment Level in %	Observations
PO1: Engineering knowledge:			
PO1	62.53	53.64	Observations: • Participation in technical events can be improved. • In RTU result, students are attaining less marks.
Action 1: RTU question papers were solved discussed in regular classes to improve the RTU result. Action 2: Extra classes based on university question paper & pattern was taken. Action 3: more technical activities were conducted to improve the participation of students.			
PO2: Problem analysis:			
PO2	70.03	50.03	Observations : • Curriculum designed for I Year does not contain literature research and analysis of problem • Use of e- resources was less so it can be improved.
Action 1: Department took the initiative to organize National/International conferences. Action 2: Students are motivated to participate in science project exhibition for developing an analytical mind which can work towards problem solving. Action 3: Students are guided to use more & more e-resources.			
PO3:Design/development of solutions:			
PO3	67.18	55.46	Observations : • I Year curriculum include basic knowledge of Engineering and sciences. • Participation in technical & social activities was less.
Action 1: Students were motivated to improve their participation in technical/social/extra-curricular activities. Action 2: Students are motivated to join various Technical Clubs in Institute.			
PO4: Conduct investigations of complex problems:			
PO4:	42.65	38.1	Observations : • Participation in technical activities was less. • Use of e- resources was less . • Students have less understanding of complex problems and its investigation.
Action 1: Participation in technical activities was increased by mentoring & motivation. Action 2: Workshops are conducted to give the hands on experience to students and faculty. Action 2: They are motivated to use E- Resources and register themselves in online courses.			
PO5: Modern tool usage:			
PO5	44.44	38.8	Observations : • Target and attainment both are less as students learn basics of computer programming in I Year. • Other subjects does not use modern it tools for problem solving.

Action 1: More of technical events are organized at institute level. Action 2: Students are motivated to join robotics/moon rider etc.			
PO6: The engineer and society:			
PO6	61.2	51.04	Observations : • Students need to be made more sensitive towards social issues.
Action 1: The students are encouraged to join social groups like Soch, Suhasini, Aashayein, Zarurat etc.			
PO7: Environment and sustainability:			
PO7	48.88	39.49	Observations : • Less awareness of students about the issues related to global and environmental sustainability.
Action 1: Students are encouraged to indulge in projects in which global and environmental issues are improved. Action 2: The activities related to environment and sustainability are organized.			
PO8: Ethics:			
PO8	8.14	7.61	Observations: • The students were reluctant to bear upon a responsibility in the competitive activities. Moreover, some of the students were found to be casual in their conduct.
Action 1: As far as professional conduct and behavior is concerned the students were made to attend anti- ragging seminars, interactive talks on personal conduct and behavior with eminent advisors in the college. Action 2: The college has a well- established spiritual cell which encourages students to experience professional life with high moral conduct and spirituality.			
PO9: Individual and team work:			
PO9	71.85	62.4	Observations: • Team activities should be included in regular practice.
Action 2: The team activities like Group discussions, quizzes etc., technical events like J- Techtrix, and volunteering and coordinating for various events in annual fest Renaissance, MUN.			
PO10: Communication:			
PO10	52.4	40.19	Observations: • The students are unable to express their views on public platform.
Action 1: In order to address this issue, the group of students are asked to prepare and give power point presentations on the topics within the curriculum as well as the beyond the curriculum. Action 2: They are encouraged to participate various competitions to enhance their communication skills.			
PO11: Project management and finance:			
PO11	NA	NA	Observations: • I Year students are not involved in project management and finance, but they can learn the basics by participating in other activities organized in college.
Action 1: Annual Project exhibition is organized in the college where I year students participate learn the basics of project handling and finance.			

PO12: Life-long learning:			
PO12	36.08	32.05	Observations : • The students were ignorant about the significance of the subject in broader context of life.
Action 1: Lecture content includes applications and advances in subject knowledge of new techniques. Action 2: Students were mentored to work for better achievement forever. Action 3: Students were motivated to improve their participation in technical/social/extra-curricular activities.			

Table B.8.5.2bPO Attainment Levels and Actions for improvement for 2016-17

Attainment of Po's From I Year Courses in the year

2016-17

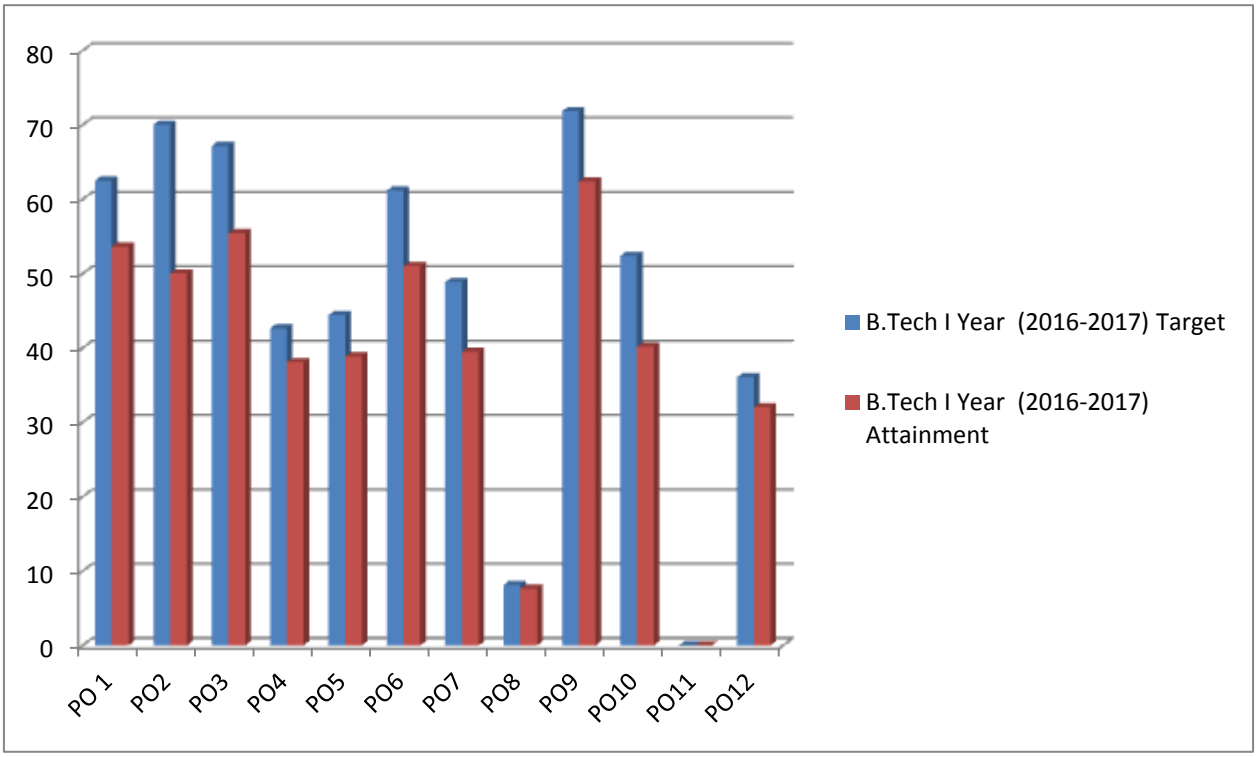


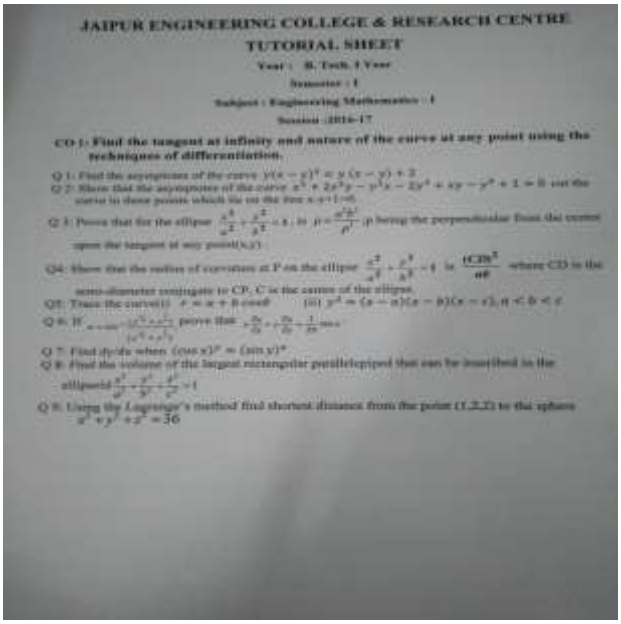
Figure 8.5.2b Attainment of Po's From I Year Courses in the year 2016-17

Gap fulfilling activities

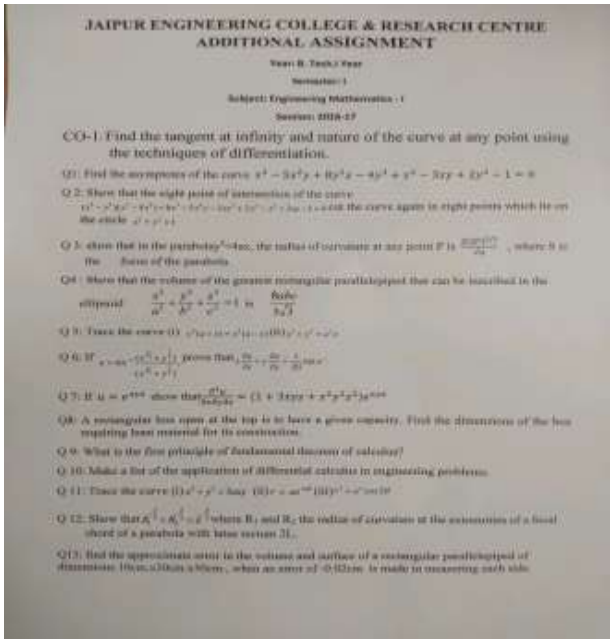
Based on the above observations following actions are taken to overcome the gap

1. **To attain PO 1 : Facilitating & making them learn the use of E- resources while learning:**
   - Soft copy of notes is provided to students for reference.
   - One or two questions are given in assignment which is to be searched from internet only.

JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE
ASSIGNMENT



JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE
TUTORIAL SHEET



JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE
ADDITIONAL ASSIGNMENT

- List of online books is circulated among students which are ready to use on college server.

2. To attain PO 2: Remedial/Problem Solving Classes

- **J-Techtrix(Project Exhibition) Organized by 1st Year(15-16, 16-17, 17-18)**

3. To attain PO 4: Mentoring by Class Coordinators

4. **To attain PO 5: Motivating students to participate in technical activities**

5. **To attain PO6& PO10: Using Innovative teaching methods in class & outside class in the form of Industrial Visit.**
   - Presentation by students in class

- Some Pics of Industrial Visit of I Year Students 17-18

6. **To attain PO7: Students are motivated to celebrate Clean & Green Campus Day and making it a Regular Practice**

7. **To attain PO8: Social , cultural and moral values are imbibed into them**

8. **To attain PO 9: Making them learn to be ready for Social Cause:**

9. **To attain PO 12: Making Induction more informative and interactive to provide a new comer a feeling of trust and belongingness.**

Criteria 9
STUDENT SUPPORT SYSTEM
(50)

9.1 Mentoring System to help at individual level (5)

(Type of mentoring: Professional guidance/ career advancement/ course work specific/ laboratory specific/ all-round development. Number of faculty mentors: Number of students per mentor: Frequency of meeting
(The institution may report the details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such system)

1) Professional Guidance/ Career Advancement

An effective Student mentoring system has already been implemented in our college to mentor throughout activities, performance and over all development of students.

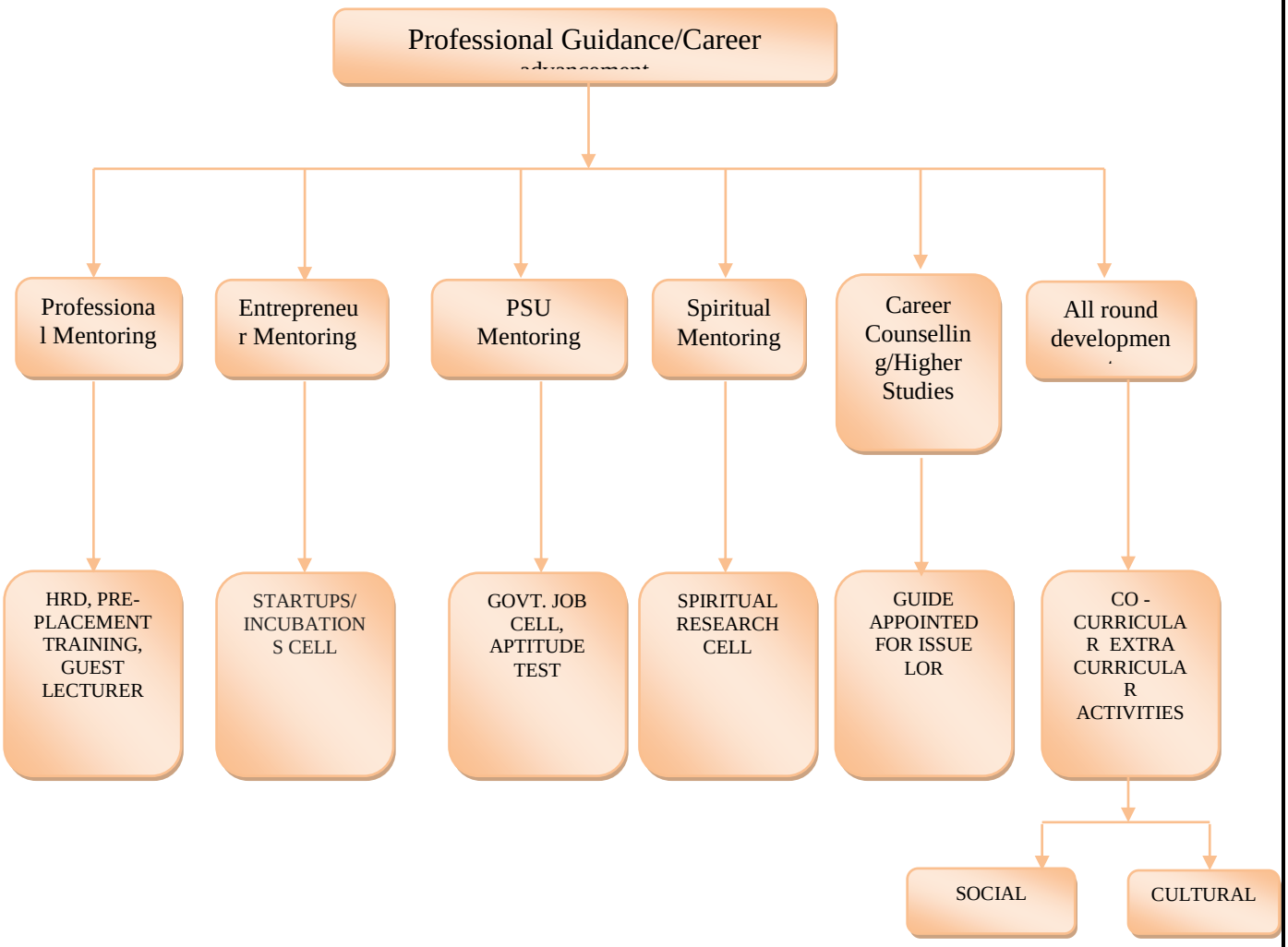


Figure 9.1a: Professional Guidance/ Career Advancement

S.No.	Type of Mentoring	Name
1	PSU Mentoring	Professor (Dr.) Vinay Kumar Chandna
		Mr. P.K.Tiwari (Rtd. IPS)
2	Professional Mentoring	Dr.S.N.Gupta
		Mr. Mukt Bihari
3	Entrepreneur Mentoring	Mr. SiddharthChaturvedi
4.	Social and Spiritual Mentoring	Mr. Mukesh Agarwal
5.	Higher Studies Mentoring	Ms. NeelakshiChaturvedi
6.	Overall Development	Mr. Anshul Mittal

Table B.9.1a: Type of Mentoring

A) Professional mentoring

We have Human Resource & Development cell (HRD), senior advisor and many senior dignitaries who guide students for their career and placement.
Different interactive sessions for students with senior advisor and other senior member are organized to motivate and guide them for enhancing career.

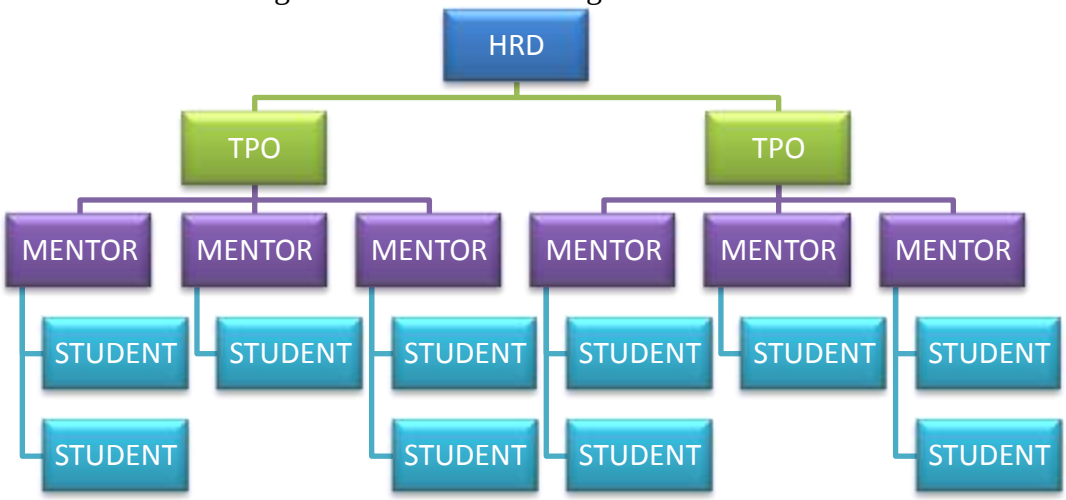


Figure .9.1b: Professional mentoring

- **Resume writing sessions:** Organized for students to guide them for effective resume writing.

S.No.	Year	Speaker	Date	No.of participants
1	2015-16	Mr. P.K.Tiwari	23 July,2015	143
2	2016-17	Mr. P.K.Tiwari	25July,2016	157
3	2017-18	Mr. P.K.Tiwari	21 July,2017	165

Table B.9.1b: Resume writing sessions

- Training conducted for improving specific technical domain practical knowledge in campus itself.

Year	Name of event	Object of event	No. of students participated	Date of event
2015-16	Pre Placement training Program by FACE	Bridging gap between academics & Industry	180	12-10-2015 To 14-10-2015
2016-17	Pre placement training by Face	Bridging gap between academics & Industry	184	18-7-2016 to 6 -8-2016
2017-18	Pre placement training program by Face	Bridging gap between academics & Industry	202	20-7-2018 onwards

Table B.9.1c: Conducted training

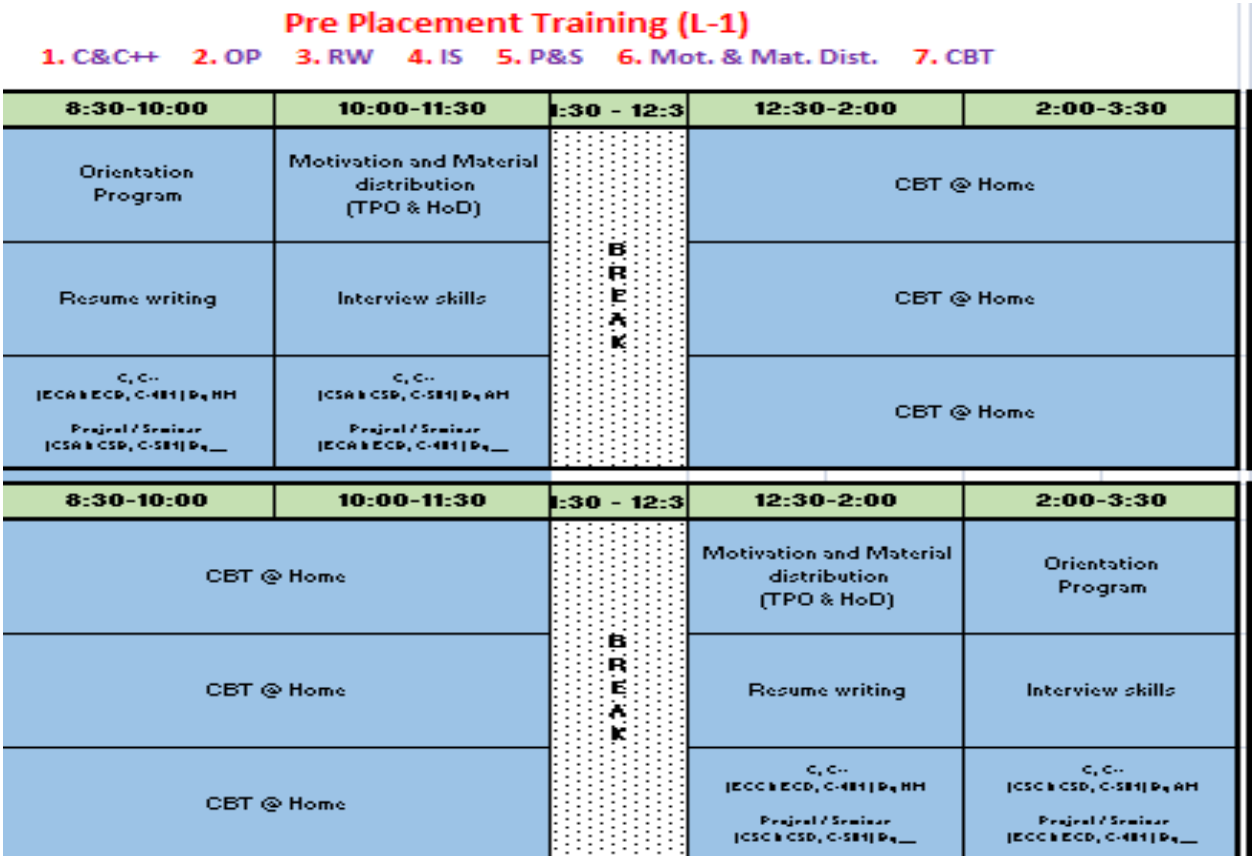


Figure 9.1c: Pre Placement Training Session 2017-18

Topic wise time table

Subject	Date	8:30-10:00	10:00-11:30	:30 - 12::	12:30-2:00	2:00-3:30
OP MA & ___	20-Jul	Orientation Program	Orientation Program		Orientation Program	Orientation Program
RW+IS PKT	21-Jul	Resume writing	Interview skills		Resume writing	Interview skills
	22-Jul	Resume writing	Interview skills		Resume writing	Interview skills

Subject	Date	8:30-10:00	10:00-11:30	:30 - 12::	12:30-2:00	2:00-3:30
C & C++ AM & NM	20-Jul			BREAK		
	21-Jul	MEC & IT C-401 NM	EEB & CEB C-501 AM		MEA & MEB C-401 NM	EEA & CEA C-501 AM
	22-Jul	ECA & ECB C-401 NM	CSA & CSB C-501 AM		ECC & ECD C-401 NM	CSC & CSD C-501 AM

Figure 9.1d: Topic wise time Table Session 2017-18

Mock-Drill

8-9 August

Group No.	Classes	9-11am	11:30	12:30	2:30
8-Aug	7 CSE 7 ECE	**CBT** CSE - IBM, CP1, CP2, CP3, CP4, CP8 CP22, CP23, CP27 ECE- EE-CAD, ECE-CAD, ME-CAD, CP14, CP15 CP18, CP19, CP20, CP21	**GD** GD1 - Meeting Room GD2 - EDC Conf. Room GD3 - Conf Hall GD4 - LH4	**Tech** 1. CS - CP1 2. CS - CP2 3. CS - CP3 4. CS - CP4 5. CS - IBM 6. CS - IBM 7. CS - IBM 8. EC1 - CP7 9. EC2 - CP7 10. EC3 - CP8	**HR** 1. Sh. PKT - Offc 2. Prof. Mukt Bihari- Offc 3. Prof. S. N. Gupta - IL1 4. JU - IL 2 5. JU - IL 3 6. JU - CP5 7. Saguna Chaturvedi-Offc 8. Alok Bhargav - CP6
Group No.	Classes	9-11am	11:30	12:30	2:30
9-Aug	7 ME 7 EE 7 IT 7 CE	**CBT** CSE - IBM, CP1, CP2, CP3, CP4, CP8 CP22, CP23, CP27 ECE- EE-CAD, ECE-CAD, ME-CAD, CP14, CP15 CP18, CP19, CP20, CP21	**GD** GD1 - Meeting Room GD2 - EDC Conf. Room GD3 - Conf Hall GD4 - LH4	**Tech** 1. EE - CP1 2. EE - CP2 3. IT - CP3 4. IT - CP4 5. ME - IBM 6. ME - IBM 7. ME - IBM 8. CE - CP7 9. CE - CP7 10.EE - CP8	**HR** 1. Sh. PKT - Offc 2. Prof. Mukt Bihari- Offc 3. Prof. S. N. Gupta - IL1 4. JU - IL 2 5. JU - IL 3 6. JU - CP5 7. Saguna Chaturvedi-Offc 8. Alok Bhargav - CP6

Figure 9.1e: MOC Drill

Need Based Training (Level - 3)

1. C&C++(4) 2. PI-Tech(4) 3. PI-HR(4) 4. GD(4) 5. CBT(8) 6. APT(24)

Date	8:30-9:30	9:30-10:30	10:30-11:30	11:30-12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00
11-Aug	C&C++	PI-Tech	PI-HR	BREAK	GD	CBT	CBT	CBT
12-Aug	C&C++	PI-Tech	PI-HR		GD	CBT	CBT	CBT
13-Aug	C&C++	PI-Tech	PI-HR		GD	CBT	CBT	CBT
14-Aug	C&C++	PI-Tech	PI-HR		GD	CBT	CBT	CBT

Figure 9.1f: Need based Training (level-3)

Company Specific Training (Level - 4)

Date	8:30-9:30	9:30-10:30	10:30-11:30	11:30-12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day1	External Agency			BREAK	GD	PI-Tech	PI-HR	CBT	CBT
Day2	External Agency				GD	PI-Tech	PI-HR	CBT	CBT
Day3	External Agency				GD	PI-Tech	PI-HR	CBT	CBT
Day4	External Agency				GD	PI-Tech	PI-HR	CBT	CBT
Day5	External Agency				GD	PI-Tech	PI-HR	CBT	CBT

Figure 9.1g: Need based Training (level-4)

Figure 9.1h: Pre Placement training Program by FACE

B) Government Job Cell

The Initiative taken by institute under the mentorship of Prof. (Dr.) Vinay Chandna for making students career in government sector in 2016-17.Cell is under the guidance of Mr. P.K.Tiwari and Mr. O.P.Jain in institute to prepare students towards different competitive examination. In this cell we encourage and inspire students for competitive examination like GATE, CAT, and MAT etc.

- Organized classes for GATE aspirants.
- Provided course material to students.
- Career opportunities in government sector are shared with the interested students.

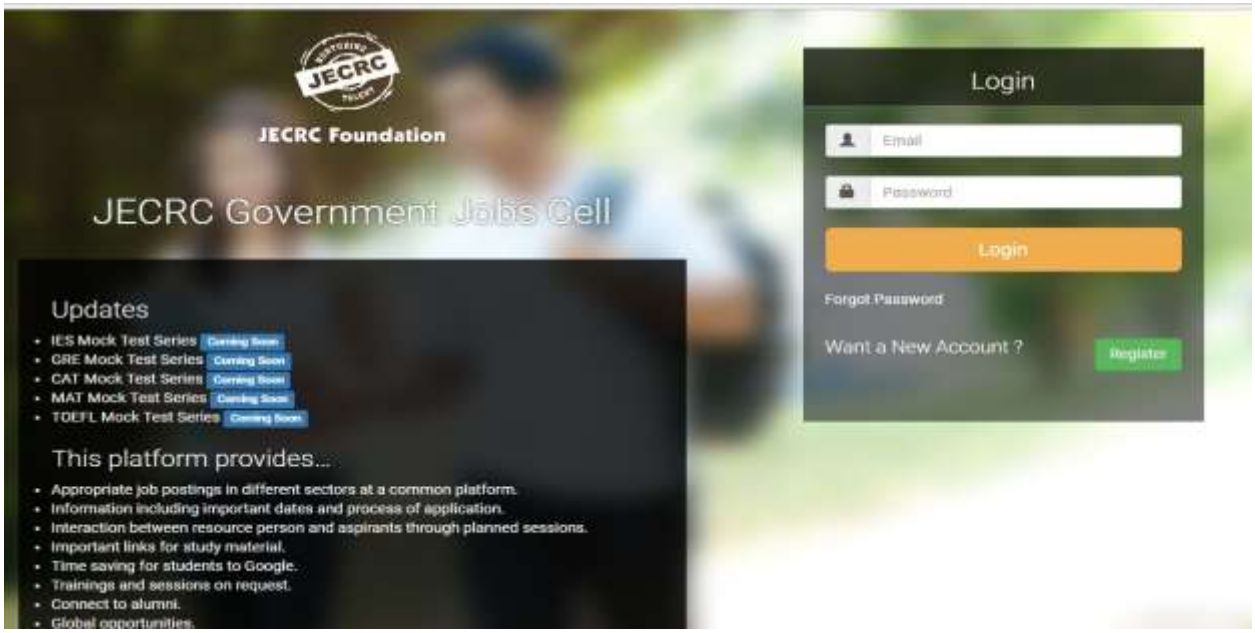


Figure 9.1i: JECRC Government Jobs Cell

Figure 9.1j: JECRC Government Jobs Cell Study Material

GATE Mock Test

Date: 13 September'2017
Timings: 3 PM- 5 PM
Venue: JECRC College Campus, Block-A, Labs CP1 to CP6

Figure 9.1k: Gate Mock Test

Session 2017-18

S. NO	SEM	SEC	NAME	GATE/GRE/GMAT etc.	REGISTRATION NUMBER	GATE/OTHER SCORE	MARK OUT OF 100	ALL INDIA RANK IN THIS PAPER	NUMBER OF CANDIDATE APPEARED IN THIS PAPER
1	8	A	ApurviMansinghka	GATE	CS18S33042312	374	27	11021	107893
2	8	A	Akshayvijayvargiya	GATE	CS18S33041234	350	25	13185	107893
3	8	A	Amandeep Goyal	GATE	CS18S33041870	588	45	1893	107893
4	8	A	EkanshKushwah	GATE	CS18S33042445	382	27.67	10374	107893
5	8	A	Anushree Jain	GATE	CS18S33045020	469	35	5255	107893
6	8	A	Kapil Khandelwal	GATE	CS18S33045219	624	48	1349	107893
7	8	A	DivakerSoni	GATE	CS18S33041355	322	22.67	16475	107893
8	8	B	RohitMathur	GATE	CS18S33043062	441	32.67	6564	107893
9	8	B	Rohit Kumar Gupta	GATE	CS18S33045027	374	27	11021	107893
10	8	B	Mayank Prasad	GATE	CS18S33042125	413	30.33	8122	107893
11	8	B	SakshiSinghal	GATE	CS18S33045098	517	39	3493	107893
12	8	B	Prakhar Garg	GATE	CS18S33041394	362	26	12049	107893
13	8	B	Nikhil Gupta	GATE	CS18S33042441	394	28.67	9458	107893
14	8	B	Mohit kumawat	GATE	CS18S33045207	441	32.67	6564	107893
15	8	C	Vinod kumar	GATE	CS18S33042335	334	23.67	14969	107893
16	8	C	Suryanshi adaniya	GATE	CS18S33041846	330	23.33	15462	107893
17	8	C	Yash vijay	GATE	CS18S33042270	350	25	13185	107893
18	8	B	Sakshi Garg	IELTS		7			
19	8	C	Sakshi Gupta	CAT		90.40%			

Table B.9.1d: Student gate detail Session 2017-18

C) Entrepreneur cell

Entrepreneurship cell is established by institute under the mentorship of Mr. SiddharthChaturvedi, our College for encouraging and inspiring students for start-ups and entrepreneur. Various interactive sessions for students with alumni and start-up representative are organized to know the importance of being an entrepreneur and ways to get financial assistance to become an entrepreneur.Cell is responsible for:

1. Initiative and Development of Start-ups/Incubations

2. Initiative towards centre of excellence
3. Relationship with companies
4. Motivate students, guide and help them in the same direction.

An Entrepreneurship awareness camp organized on 2nd sep, 2016 in which our students and faculties participated.

- Institute has success stories for every pass out year as a result of Entrepreneurship cell and incubation centre.

S.No	NAME	BATCH	ORGANIZATION
1	UTKARSH NAGPAL	2017	Heal Nectar
2	VISHESH MODI	2017	Business
3	PANKAJ THAWANI	2017	Business
4	CHIRAG JAIN	2017	Business
5	NISHA JANGIR	2016	YouTube
6	SHISHU PAL	2016	Entrepreneur
7	SOUMYA RANJAN ROUT	2016	Nutrition Hub
8	ASHIQUE HUSSAIN	2016	Nutrition Hub
9	SHIVANSH SHARMA	2018	Apparel distribution company

Table B.9.1e: Students Success Stories 2017-18

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D) Spiritual Mentoring

A special initiative has been taken by our institute in the form of SPIRITUAL RESEARCH CELL. The cell was established on 6th October, 2016. The inauguration was done by the auspicious presence of The Executive Secretary, Brahmakumaris& Vice Chairman, Rajyoga Education & Research Foundation, RajyogiMruthyunjaya Ji, Dr. U.S Agarwal, Principal, SMS Medical College, Jaipur and Meditation Expert, BK SushmaJi.This cell motivates students mentally and builds up their confidence.

Figure 9.1l: Inauguration of Spiritual cell

E) Career Counselling /Higher studies

A Guide has been appointed specifically for higher study counselling and career counselling in December 2016. Guide counselled many students and encouraged them for further studies on the right path for career. Letter of recommendation (LOR) has been issued to some students.

S.No.	Dept. Name	No. of LOR issued(Approx)
1	CSE	12

Table B.9.1f:No.Of LOR Issued

S.No	NAME	BATCH	ORGANIZATION	Location
1	Sakshi Garg	2018	Trinity college Dublin, Ireland for MS	Ireland
2	ADITYA JOHARI	2018	MBA, NMIMS, Mumbai	Mumbai
3	Sakshi Singhal	2018	M.Tech, NIT Trichi	Trichi
4	Sakshi Gupta	2018	PGDM (MBA), K.J. Somaiya Institute of Management Studies and Research	Mumbai
5	UTKARSH SINGHAL	2017	MBA	
6	VANISHA GAUR	2017	MDI Gurgaon	Gurgaon
7	UMANG SHARMA	2017	MDI Gurgaon	Gurgaon
8	APOORVA JAIN	2017	IIM Rohtak	Rohtak
9	PRATIMA GOYAL	2017	TAPMI Manipal	Manipal
10	CHHAVI INANI	2017	NJIT,USA	USA
11	KRISHNA PATHAK	2017	IIM, Mumbai	Mumbai
12	RITIKA DHOOT	2017	MBA	
13	DEVANSH SETHI	2017	Rochester Institute of technology	USA
14	CHANDNI MATHUR	2016	University of Illinois at Urbana Champaign	Urbana Champaign
15	MOHIT JESWANI	2016	IIIT-B	Bangalore
16	HIMANSHU GAUR	2016	IIT Madras	IIT
17	VIKAS KUMAR	2016	IIT Bombay	Bombay

18	SHRUTI JAISWAL	2016	University of Texas	Dallas this fall.
19	PRATIBHA AGARWAL	2016	MBA at.	IIM Indore
20	GARIMA CHOUDHARY	2016	M.Tech., AMITY UNIVERSITY	Delhi
21	ADITYA SHARMA	2016	MBA from MDI, Gurgaon	Gurgaon
22	AAYUSH DUBE	2016	MICA	Mumbai

Table B.9.1g: Students Higher Studies Detail2017-18

Course Work Specific/ Laboratory Specific

For II and III year we have Tutor Guide (TG) who follows instructions given by Class Coordinator (CC).

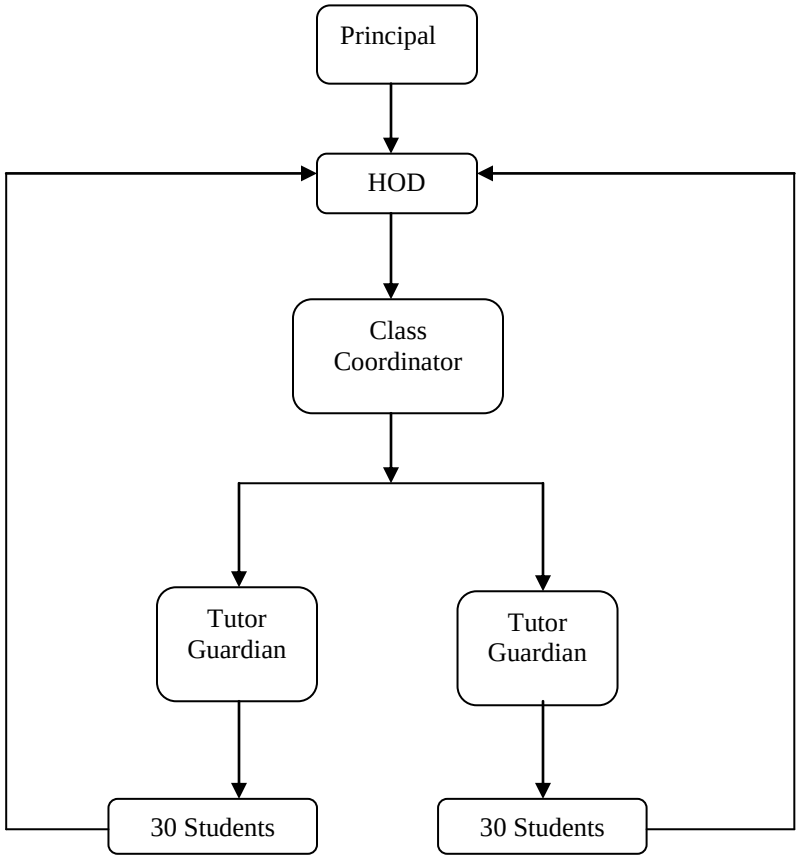


Figure 9.1m: Flow Char of Course Work Specific/ Laboratory Specific

The department follows the below steps for smooth conduction of examination and evaluation process:

- The department adhere academic calendar prescribed by RTU, Kota

- There is departmental Examination Committee in which two faculty members are included for conduction of Internal Examination and Two for External Examination.

    a. The committee circulates notice a week before the commencement of examination by taking prior approval from HOD.
    b. Course Coordinator prepares and submit their question paper to respective class coordinator
    c. Then class coordinator submits all question papers to Moderation Committee.
    d. Moderation Committee in coordination with IQAC selects one question paper among the set of three papers.
    e. Selected Question paper send to Internal Examination Coordinator then internal examination coordinator takes printout of the final paper.
    f. During the exam two invigilators are assigned in each class room and students sits in the class rooms according to appropriate seating plan.
    g. After the completion of exam, answer sheets evaluation, result analysis on basis of CO, weak/strong student list is prepared by course coordinator and submitted to Internal Examination Coordinator. Along with the soft copy.
    h. If student secures marks less than 60% in some particular CO then he/she will be considered as weak student. Then course coordinator provides assignment to them and evaluates.
    i. Student who secures marks greater than 60% in some particular CO then he/she will be considered as strong student. Then they will be encouraged & motivated for GATE/PSUs/Govt. Exam.

Jaipur Engineering CollegeandResearch Centre
Department of Computer Science and Engineering
Minutes of Meeting

Date/Day: 19/08/2017 Saturday	**Time: 11:30am to 12:00 noon**	**Location: CP3 Lab, Block-A, JECRC**
Speaker: TG	**Speaker's Designation:** AP	**Attended by:** All Students

Agenda of Meeting: To discuss about course coverage.

Attendees:

Meeting started with the welcome of TG by students. Following were the points of meeting:-

S.No.	Points
1	TG interacted with all students.
2	Discuss about course coverage.

Attendees:

Meeting started with the welcome of TG by students. Following were the points of meeting:-

- Discussed about Course and content delivery
- Discussed about problems in the class room
- Coverage of Course and requirement of extra classes

The meeting ended up with the thanks of Chair and next round of meeting would be held with prior notice.

F) All round Development

The Initiative taken by institute under the mentorship of Mr. Anshul Mittal is responsible for the overall development of student. His responsibility is to encourage students to participate in different co-curricular and extracurricular activities.

SDO Responsibilities:

- Planning, developing and delivering a variety of student services and activities (co-curricular and extracurricular activities)
- Motivate and engage students also oversee students activity on campus
- Handles promotions of college events manual and e-promotions
- Providing support to student council
- Providing support, guidance and advocating for students and faculty in all aspects of student life.

Co-curricular Activates:

Year	Name of event	Conducted by	Date	Participants
2015-16	PHP &MySQL Training Program	Mr. Amit Kumar Faculty, Sigmatech Infotech , Jaipur	13-07-2015 to 25-07-2015	B.Tech 3 year
2016-17	ICT BASED Short term course on “Open Source Technologies” at NITTTR, Chandigarh	Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy, Pvt. Ltd., Ambala	29.08.2016 &30.08.2016	B.Tech 4 year
2017-18	Machine Learning	Mr. Vimal Daga	8th March 2018	B.Tech 4 year

Table B.9.1h: Co-curricular Activates

G) Interactive sessions with industry experts are organized to increase understanding between students and industry requirements.

Year	Session name	Date of session
2015-16	Seminar on networking	7-10-2015
2015-16	PHP Technology 13-250July	13-25July 2015
2015-16	BIG DATA &HADOOP	11 Jan 2016
2015-16	Raspberry-pi	27 Feb 2016
2016-17	International Workshop on Open Source Software, Drupal	10-9-2016
2017-18	Start-63up Oasis, Jaipur	29,31-8-2017

Table B.9.1i: Interactive sessions

H) Industrial visits are conducted for students so they can practically observe the environment and activities in Industries.

Year	Name of Company	Object of event	Date of event
2015-16	Food tech	Industry visit	19-9-2015
2016-17	E-infochip	Industry visit	19,20-2-2017
2016-17	JMRC	Industry visit	17/01/2017
2017-18	Ted x	Industry visit	31-8-2017

Table B.9.1j: Industrial visits for students

I) Teams from JECRC participated in 2017 and 2018 Smart India Hackathon (SIH) were guided by faculty member so they can perform better.

Year	No. of students participated	No. of teams
2016-17	12	2
2017-18	30	5

Table B.9.1k:No. of students participated

- Teams participated in JECRC hackathon 1.0 in 2018 were guided by faculty member(one mentor with each team)

Year	No. of students participated	No. of teams
2018	400	80

Table B.9.1l:No. of students participated

J) Extracurricular activity:

S.N0.	Activity/Event	Date
1	Blood Group check-up camp	11 Sep, 2017
2	Engineers Day	15 Sep, 2017
3	SwachhtaPakhwada	1 to 15 Sep,2017
4	Interactive Session with Dr. Kiran Seth	8 Sep 2017
5	Rally on rivers Seminar	26 Sep,2017
6	OMEN gaming Championship	7 Oct,2017
7	Interactive session with Mr. Niko Philips	1 Nov, 2017
8	VandeMataram-Voice of Unity	8 Nov, 2017
9	National Girl Child Day Celebration,	24 Jan, 2018
10	Orphanage Children Interactive Program	12 Feb, 2018
11	Soch	12 Feb 2018
12	Renaissance 2018	25 to 28 March 2018
13	Seminar on Careers in Entertainment Industry	12 March 2018

Table B.9.1m: Extracurricular activity Events list

K) Class Coordinator Responsibilities*:*

- Creating learning opportunities and motivating the student community.
- Providing guidance on academic, personal and career matters.
- Resolving academic issues of students.
- Tracking academic and extra-curricular performance of students.

Class coordinator collects all data of students from the Tutor guardian

No of students per class coordinator: around 60

No of students per tutor guide: around 30

S.No.	Year	No of Class	No. of Tutor Guide
1	2015-16	9	18
2	2016-17	9	18
3	2017-18	9	18

Table B.9.1ln: No of Class coordinator

K) Tutor Guardian responsibilities

- Meet the students periodically and monitor their performance and their activities

  Frequency of meeting once a month

- For IV year we have Mentor Mentee system for guiding students.

The mentor is a model, a guide by the side, a motivator, a trainer and a counsellor to the student. Mentoring is a process for the informal transmission of knowledge, social capital, and the psychosocial support. Mentoring entails informal communication, usually face-to-face and during a sustained period of time, between a people who is perceived to have greater relevant knowledge, wisdom, or experience (the mentor) and a person who is perceived to have less.

M)Mentor's Responsibilities:

- Take interest in developing student's career and well-being.
- Mentors keep track of their students' progress and achievements, setting milestones and acknowledging accomplishments.
- Monitor student's readiness for Personal Interview (including Resume, Dressing sense etc.)
- Evaluate Student Progress and Performance in Computer Based Tests. Keep record of his/her attendance in the preparatory classes and keep the department HOD informed.
- Encourage students for attending all the sessions for sure success.
- Informing students about the profile of companies coming for recruitment as per information obtained from placement department.
- Engage the Student beyond the Classroom especially for communication practices and emphasize the importance of communication for sure success.
- Keep the department / panel members informed, if any student is not taking his/her sessions seriously.
- Guide student for practical training and project presentation.
- Guide students for technical interview.
- Guide and Evaluate student for GD for companies requiring GD.
- Guide students for General Knowledge about Industries in their domain.
- **Provide Ethical Guidance**

N) No of Students per mentor: around 20

S.No.	Year	No. of Mentor
1	2015-16	12
2	2016-17	12
3	2017-18	9

Table B.9.1o: No of Students per mentor

Session 2017-18 Mentor List

S.No.	Mentor Name	No .Of Students Alloted
1	Mohit Jain	25
2	Jeba Nega	25
3	Deeksha Mathur	25
4	Vatan Mishra	25
5	Sarita	25
6	Kirti choudhary	25
7	Geetika Gautam	25
8	Manju Vyas	25
9	Ankur Raj	23

Table B.9.1p: No of Students per mentor

9.2 Feedback analysis and reward /corrective measures taken, if any (10)

Feedback collected for all courses: YES/NO; Specify the feedback collection process; Average Percentage of students who participate; Specify the feedback analysis process; Basis of reward/ corrective measures, if any; Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers; Number of corrective actions taken

Feedback *collected for all courses: YES/NO;* YES

Feedback Analysis Process

1) **Students Feedback Process**

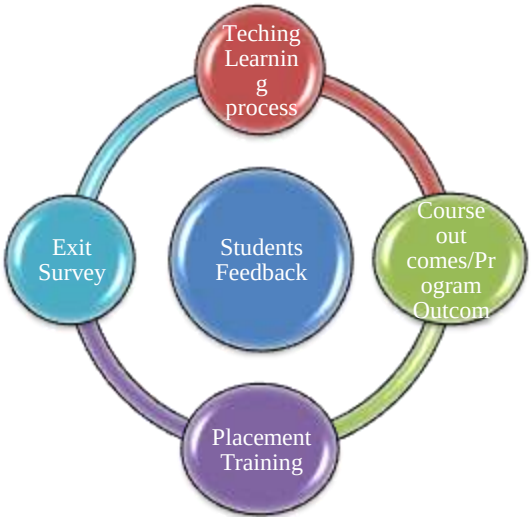


Figure 9.2a: Students Feedback Process

2) **Stakeholder Feedback**

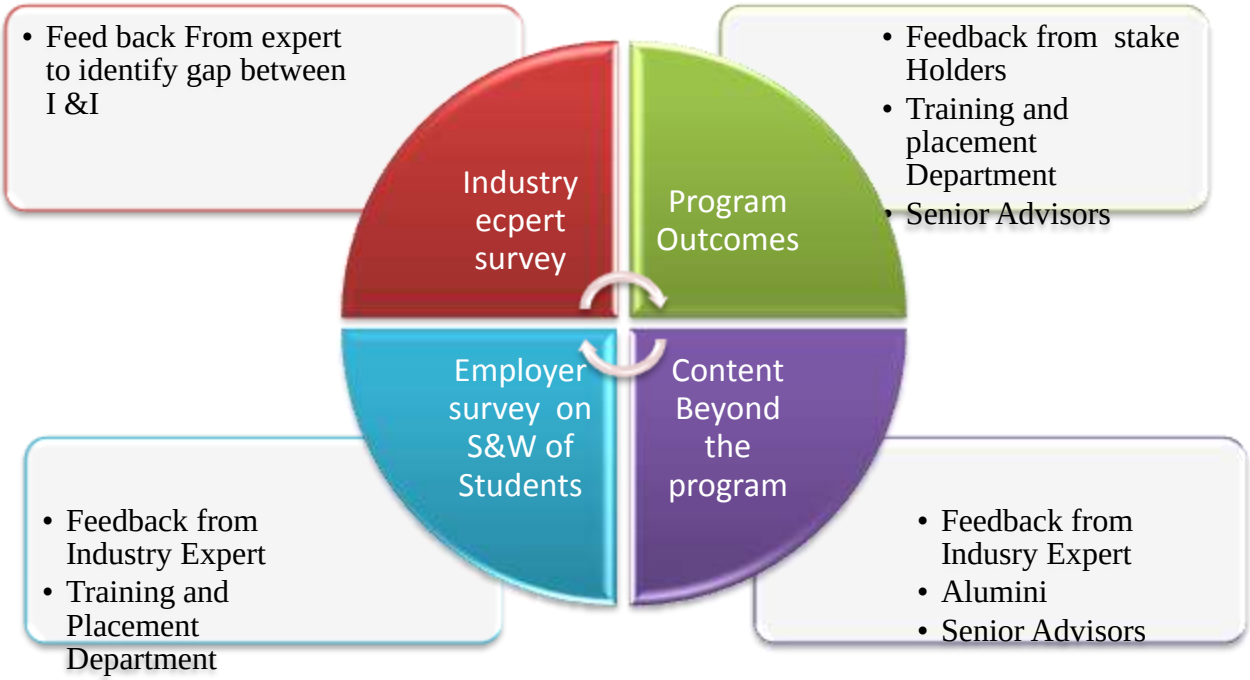


Figure 9.2b: Stakeholder Feedback

- The Institute understands that the teaching-learning system followed by an educational institution must be constantly improved. To form this process of continuous improvement, the institution must adopt a feedback system that takes into account the suggestions of the students and the interested parties in each program. This finally helps to refine the teaching-learning process and the curriculum.
- The institution shall follow a well-defined and formal feedback system implemented at different levels
- Student comments on the teaching-learning process are also collected from students at class committee meetings.
- At the end of each semester, students must complete an end-of-semester survey. In this case, students will be asked questions that examine the effectiveness of the teaching-learning process to help the student achieve the respective results of the course through the Google form.
- Being an institution that molds people to build technologies for the future, the Institute constantly insists on updating the students with the current knowledge and skills desired.
- To do this, the institution must regularly gather opinions on the most demanding industrial skills, directly from industry personnel.
- Industry experts will be invited to stakeholder meetings organized by each department, and their views on emerging technologies will be taken periodically.
- Employer surveys should be conducted annually to gather information about the strengths and weaknesses of the students who enrolled in this Institute.
- The employer survey is a key element in determining the skills that students lack experience. The course delivery must be modified to address these gaps for future groups of students.
- Industry experts invite comments from Alumni to be another important component of the commenting system. The Institute has one of the strongest alumni networks. The alumni of

the institution cover the whole world and are well connected to the institution thanks to alumni associations. The comments on this link, including individuals from all walks of life, have been essential to improve the quality of education over the years. Comments should be collected periodically from the alumni by appropriate means.

- Graduates should gather opinions to assess whether the institution has been able to impart the skills necessary to achieve the program's objectives. This survey should be used to identify the difficulties encountered by students during their course at the Institute.
- The meetings of the stakeholders of each department, and the views on the emerging technologies become a next will take.
- Departmental committees have Committees for Thematic Groups. Beyond the content, they select the Program that must be provided to the Students, based on the views of the Meetings Collected from the contradictory Interested Parties with the Industry Experts Surveys. Employers Must be done annually compile for information About Students Strengths Weaknesses recruited who are this Institute.
- The employer's investment is a key element in determining the skills with which experiments are experienced. The course entry is found throughout the space for future summaries for student groups.
- The institution aims to produce socially competent and socially competent individuals. Suggestions from members of the local community and social workers should be collected by the institution. To facilitate this, social workers and members of the local community will be invited to all stakeholder meetings. Your views should be used to shape the program.
- For the general improvement of a student's character, the Institute must take into account the reactions of parents and guardians. These will meet at Teacher Parents meetings and stakeholder meetings. The stakeholder meeting should be convened once a year at the departmental level to solicit the views of interested parties on various aspects of the program.

3) Average Percentage of students who participate: 80% Students were participated in the year of **2017-18**

Type of Feed back	Total Intake	Participate %
Course Feedback	**680**	**80**
Exit Survey	**210**	**90**
Lab Feedback	**680**	**80**
Alumni Feedback	**210**	**70**

Table B.9.2 a: Average Percentage of students who participated

Sample Feedback Form 1

At the end of each semester, students must complete an end-of-semester survey. In this case, students will be asked questions that examine the effectiveness of the teaching-learning process to help the student achieve the respective results of the course through the Google form.

Feedback Form 8CS2A
Digital Image Processing

Form description

Your overall standing in the course *

- >90%
- 85 - 89%
- 60 - 74%
- <60%
- Other...

CO1: Execute the Fundamental aspects of image processing viz. acquisition,recognition and representation.

- To a great extent
- To a moderate extent
- To a slight extent
- Not at all
- Other...

CO2: Apply the mathematical foundations of coloring and image enhancement in spatial and frequency domains.

- To a great extent
- To a moderate extent
- To a slight extent
- Not at all

CO3: Implement filters in image restoration against various types noise. *

- To a great extent
- To a moderate extent
- To a slight extent
- Not at all
- Other...

CO4: Analyze various coding algorithms used in image compression. *

- To a great extent
- To a moderate extent
- To a slight extent
- Not at all

Unit 1: [About the Course : Level of Complexity] *

- Difficult
- moderate
- easy
- Other...

Unit 2: [About the Course : Level of Complexity] *

- Difficult
- moderate
- easy
- Other...

Unit 3: [About the Course : Level of Complexity] *

- Difficult
- moderate
- easy
- Other...

Unit 4: [About the Course : Level of Complexity] *

- Difficult
- moderate
- easy
- Other...

Unit 5: [About the Course : Level of Complexity] *

- Difficult
- moderate
- easy
- Other...

Did the lecture start on time? [About Course Delivery] * *

- Always
- Sometimes
- Never
- Other...

Did you find the instructor well prepared for the class? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Did the instructor use the blackboard/media in an well organized way? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Did you find the instructor to be fully audible to you? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Overall, how satisfied are you with the quality of the course delivery? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Assignment/quizzes/tests solutions provided/discussed? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Did the instructor cover the full course as per the syllabus? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Instructor's availability outside the class/over cyberspace whenever sought? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Lecture notes provided? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Assignment/quizzes/tests solutions provided/discussed? [About Course Delivery]

- Always
- Sometimes
- Never
- Other...

Additional reading material/ resource sites provided augmenting/supplementing further knowledge? [About Course Delivery]

- Always
- Sometimes
- Never

Examples from outside the text-book discussed ? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Was the lecture interactive ? [About Course Delivery] *

- Always
- Sometimes
- Never
- Other...

Figure 9.2c: Subject Feedback

4) Corrective measures:

Institute has IQAC (Internal Quality Assurance Committee) which evaluate and analysis feedbacks and take corrective actions.

These are action taken by IQAC:2017-18

Feedback given by	Feedback on Entity	Nature of feedback	Action taken
Student	infrastructure	Water cooler Maintenance	Repairing done
Student	Faculty/Course	Course coverage	Extra Classes taken
Student	Faculty	Teaching skills	Advisory/Appreciation Given
Student	Course	Topic of course	FDPs
Student	New skills	New technology required	FDPs , Conferences
Student	Course	Beyond Syllabus should be covered	Expert Lectures/seminar
Student	Technical Events	Technical Events proposed	Technical Event conducted
Student	Labs	Practical Required	Workshops

Table B.9.2b: Corrective measures

A) Details of corrective action taken:

- **For students and faculty FDP and National and International Conferences was conducted**

2017-18	2016-17
FDP on Effective Mentoring Skills-11-13 July 2017	
1Short Term Course on BIG Data and Data Mining By NITTTR, SEPT-17	Short Term Course on Open Source Technology by NITTTR, AUG-16

TableB9.2c: FDP

B)National and International Conferences

- Conferences are the great way to learn about research and development going on in respective fields which inspired many students to publish their own research.
- It is also a great starting point for those students who want to pursue their career in research fields.

Conference & SIH organized by the Department of Computer Science & Engineering

Academic Year	Name of the Conference/ Event	National/ International Event	Duration
CAY (2017-2018)	Springer- International Conference - ICETEAS 2018	International Conference	17-18 Feb 2018
	RTCC 2018	National Conference	25-28 Mar 2018
	ICICT'18,London	International Conference	27& 28th Feb 2018
	Smart India Hackathon'18-Nodal Centre	National	30-31 March 2018
CAYm1 (2016-17)	Smart India Hackathon'17-Nodal Centre	National	1-2 April 2017

TableB9.2d:Conferences

Figure 9.2d: ICETEAS 2018

C)National and International Conferences Details

S. No.	Topics	No. of Faculty Members	No. of students attended	Remarks

1	Springer-International Conference - ICETEAS 2018	39	50	International Conference on Emerging Trends in Expert Applications & Security (ICETEAS 2018) held on Feb 17-18, 2018 at JECRC, Jaipur
2	RTCC 2018	38	40	Two day National Conference on Recent Trends in Computing & Communications (**RTCC**) 2018 held on March 26-27, 2018 at JECRC Jaipur.
3	ICICT'18,London	1	-	JECRC Foundation organized the Third **International Congress on Information and Communication Technology** (ICICT2018) at Brunel, University, London, United Kingdom on February27-28, 2018.

Table B.9.2e: National and International Conferences Details

D)Technical Workshops/Activities

- We conduct a lot of technical events which are competitive. Not only it results in bigger number of participants but they can also learn a lot more.
- These events bring out the competitiveness in our students which is going to be useful in real world. Due to this, our students were motivated enough to participate in events launched by big organization Such as NASA.
- Our students also participate in techno culture festivals such robotic festivals, see Olympiad etc.

Academic Year	Organized Event	Event Date	Name of Resource Person/ Institute	Event Outcome
CAY (2017-2018)	FDP-Datamining & Business Intelligence	4-8 Sept 2017	NITTTR 2017	This event helped our faculty members to enhance knowledge about Data mining
	Big Data	22-23 Sept 2017	IIT Kharagpur	This event helped our students to enhance knowledge in the field of Big Data
	Kon Banega Steve Jobs	15-Sep 2017	Engineers Day Celebration	This helped our students to enhance more technical knowledge
	Big Data	28-Oct-17	Mr. Vimal Daga, Linux World	This event helped our students to enhance knowledge in the field of Big Data
	Improvement in Faculty API- National Seminar	23-Nov-17	Prof. (Dr.) P.K. Mishra	National Seminar for Faculty API helped our faculty members to improve API score
	Entrepreneurship Awarness Camp	29-31 Aug 2017	Startup Oisis, Jaipur	This event helped our students to enhance knowledge in Business Entrepreneur Development
	Machine Learning	9th Feb 2018	Mr. Vimal Daga, Linux World	This event helped our students to enhance knowledge in the field of Machine Learning also many projects were made
CAYm1 (2016-17)	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	31.08.2016	Mr. Amit Doegar, Asst. Professor, NITTTR, Chandigarh	This event helped our faculty members and students to enhance knowledge about Open Source Technologies Also it covers concepts of Virtualization
	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	29.08.2016 & 30.08.2016	Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy, Pvt. Ltd., Ambala	It helped our students and faculty members to learn more about Web Designing. Also it Covers front end and User interface designing tools

Table B.9.2f: Technical Workshops

S.No	Date	Event Name	Venue	Timing	Event Faculty Co-ordinator
					CSE
1	26/3/18 Sunday	Enlightenment	Meditation Lab, Badminton Court	11:00 AM – 3:00 PM	Richa Upadhyay
2		Java Lets	CP-3, CP-4, IBM Lab (CSE & IT)	11:30 AM - 4:30 PM	Hemlata Soni Jeba Nega Cheltha.C
3	26/3/18 Monday	Tech Probe	C-501 (CSE)	9:30 AM – 12:30 PM	Rajan Jha, Mohit Jain Saroj Agarwal
4		Hardware Assembling	Quadrangle A Block (CSE/IT)	9:30 AM – 3:30 PM	Ankur Raj Anoop Kumar Mehta
5	27/3/18 Tuesday	Just C	CP-1 to CP-8, IBM Lab (CSE & IT)	9:30 AM - 03:30 PM	Richa Sharma Arihant Jain
6	28/3/18 Wednesday	Subito	CP-1, CP-2, IBM Lab (CSE/IT)	9:30 AM – 4:30 PM	Neha Bharti

Table B.9.2g: Technical Event list 2016-17

Embryo

Hardware Assembling

New Ventura

Java Lets

Figure 9.2e: Technical Event

5)Reward for Faculty in the form of Appraisal

Faculty Appraisal Form

Jaipur Engineering College and Research Centre, Jaipur
FACULTY APPRAISAL FORM
For Best faculty award
Total 200 points

Name of Faculty Member: Department:
Designation:

S. No.	Item Name	Maximum Points	Points obtained
1	Academic result 30 points average (90% students having more than 70% : 30 points, 80-89% students having more than 70% result: 27 points, 70-79% students having more than 70% result: 24 points, 60-69% students having more than 70% result: 21,60-69% students having more than 60% result: 18 points , 50-59% students having more than 60% result:15 points else ZERO)	30	

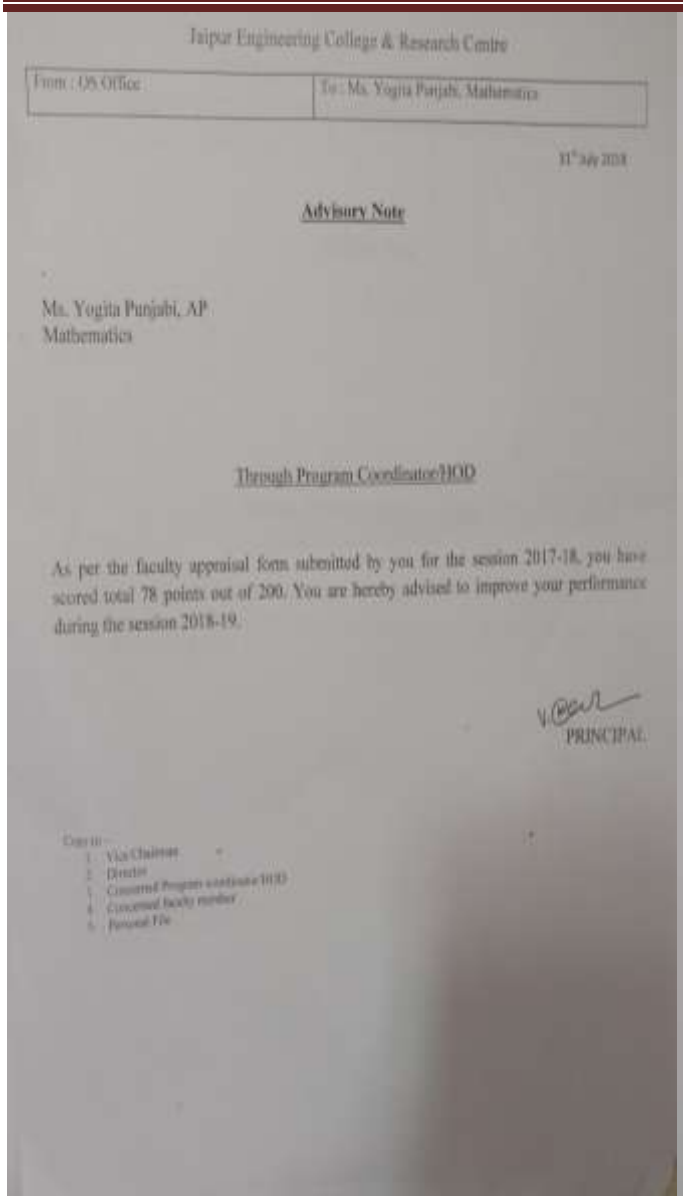
	Example: Theory Subject / Points obtained Sub-1: 30 Sub-2: 27 Sub-3: 0 Sub-4: 18 Average points scored: **75/4 i.e. 18.75** **No marks for Labs subjects**		
2	Research Publication 20 points average (1 sci indexed publication: 10 points, 1 publication having ISSN number : 5 points, Else ZERO)	20	
3	Faculty development program 10 point average (one faculty development programme minimum 5 days attended 5 points, 2 points for attending 2 days workshop, subject to maximum of 10)	10	
4	International / National conference 10 points average (5 points for attending International, 3 points for attending National of repute, 2 points for National conference)	10	
5	Research grant average 20 points for having grant of more than 5 lakhs, if only project submitted to DST/other govt agency: 10 points, subject to maximum 20	20	
6	Patent 10 points/Product development / start-up 10 points	10	
7	New Skills / additional specialization / certification course	25	
8	Innovation in teaching learning, video lecture, online MOOCs, Online notes uploading, any other 20 points	20	
9	Technical activity organized 5 points	5	
10	Participation in social responsibility 5 points / activity subject to maximum of 10	10	
11	Institute level activity organized 5 points, participation 2 points subject to maximum of 5	5	
12	Any award received, session chair in conference, guest lecture, invited talk, etc. 5 points	5	
13	HOD recommendation maximum 30 points (Departmental responsibility 2 points, NBA related activity 5)	30	
	Total	200	

Note: HOD will verify the documentary proof.

Signature of Faculty Signature of HOD

Figure 9.2f: Faculty Appraisal Form

Based on the Above API report faculty members are given appreciation/advisory Format for same is mentioned below



Jaipur Engineering College & Research Centre

From : OS Office | To : Ms. Yogita Punjabi, Mathematics

31st July 2018

Advisory Note

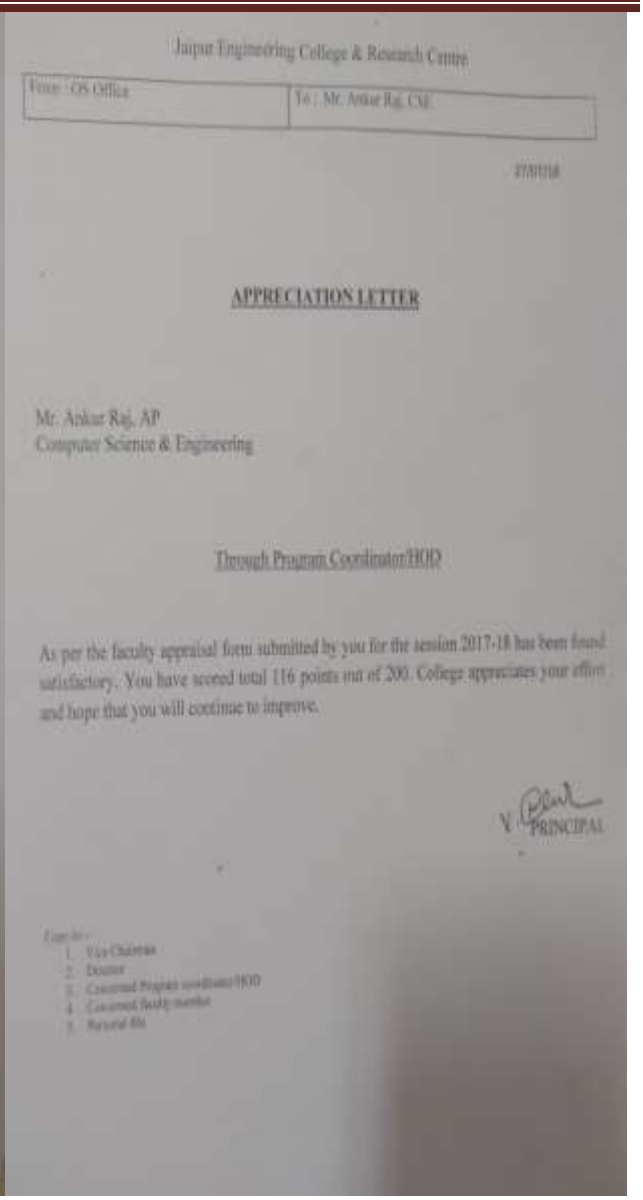
Ms. Yogita Punjabi, AP
Mathematics

Through Program Coordinator/HOD

As per the faculty appraisal form submitted by you for the session 2017-18, you have scored total 78 points out of 200. You are hereby advised to improve your performance during the session 2018-19.

PRINCIPAL

Copy to :-
1. Vice Chairman
2. Director
3. Concerned Program coordinator/HOD
4. Concerned faculty member
5. Personal File



Jaipur Engineering College & Research Centre

From : OS Office | To : Mr. Ankur Raj, CSE

27/07/18

APPRECIATION LETTER

Mr. Ankur Raj, AP
Computer Science & Engineering

Through Program Coordinator/HOD

As per the faculty appraisal form submitted by you for the session 2017-18 has been found satisfactory. You have scored total 116 points out of 200. College appreciates your effort and hope that you will continue to improve.

PRINCIPAL

Copy to :-
1. Vice Chairman
2. Director
3. Concerned Program coordinator/HOD
4. Concerned faculty member
5. Personal file

Figure 9.2g: Advisory noteFigure 9.2h: Appreciation letter

6)Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers

- Students Attendance Report
- MTT Results
- University Results
- Final Passing Percentages
- Placement Record
- Student's performance in National and International conferences
- Student's performance in Technical Workshops
- Student's participation in Intra and Inter college competitions

- Co-curricular and Extra-curricular activities.

7) Number of corrective actions taken

A)Pre Placement Training/ Extra Technical Classes

Year	Name of event	Object of event	No. of students participated	Date of event
2017-18	Pre placement training program by Face	Bridging gap between academics & Industry	260	20-7-2018 onwards

Table B.9.2h: Pre Placement Training/ Extra Technical Classes

B) Company Based Placement Training

Year	Name of Event	Object of Event
2017-18	Sales force Training	Students were trained on modules of Trailhead
2017-18	Red Hat Linux Training	Students were trained on modules of Red Hat Linux.
2017-2018	Forks Technology Data Science/ Machine Learning	Students are trained on Machine Learning
2017-2018	Forks Technology IOT	Students are trained on IOT

Table B.9.2i: Company Based Placement Training

C)MOU's was done with industries to emphasize on

(a) Internship
(b) Project Workshop for Students
(c) Industrial Visits
(d) Students specific Training

S. No.	Company Name	Date
1.	**Indo Vision Services Pvt. Ltd.** indoVISION "We work for your smile"	**22-Mar-2017**
2.	**SakRobotix Lab** SakRobotix Lab STARTUP CENTER, IIT BHUBANESWAR	**27-Apr-2017**

3.	**Infosys Campus Connect**	**12-May-2017**
4.	**Wadhwani Foundation**	**13-Oct-2017**
5.	**CADD Centre**	**30-Oct-2017**
6.	**Forsk Technologies**	**2-Nov-2017**
7.	**RedHat Technologies**	**7-Nov-2017**
8.	**Salesforce Technologies Ltd.**	**17-Jan-2018**
9.	**Cyberops**	**15-May-2018**
10.	**Siemens Ltd.**	**26-July-2018**
11	**Techinest Pvt Ltd**	**Oct 2018**

Table B.9.2j: Details of MOU

The following are the details of MOUs:

1. **Indo Vision Services Pvt. Ltd.**Indovision Services is an ISO 9001:2015 accredited company and providing end to end ICT (Information & Communication) services and solutions. It caters to multiple dimensions of industry. Primarily it provides following services listed below:
    - -Emerging Technologies (Cloud, Automation)
    - -Manpower Solutions
    - -Training (College, Corporate & Govt.)
    - -Enterprise Solutions (ERP, IHRMS, ILMS , System Integration, Networking, Smart City
    - & Smart Campus, etc.)
    - -We serves both large and small organizations across all industry sectors(Telecommunications,
    - IT/ITES, Education, BFSI, Automobiles,Govt. &PSU's) through our brands and offerings.

2. **SAKROBOTICS LAB:** Establishing a Robotics Research Centre in the campus of JECRC, providing Internship to JECRC Students and to engage the students in Robotics Training and also offering Robotics product development exposure.

3. **Infosys Campus Connect:**Launched by Infosys in May 2004, CC is a unique academia-industry initiative to "architect the education experience". The objective in launching the CC program is to enhance the quality and quantity of the IT talent-pool; sustain the growth of the IT industry itself. The portal will provide a digital platform for academia-industry interaction anytime, and anywhere.

4. **WADHWANI Foundation**:Launched in 2000 by Dr. Romesh Wadhwani, the Foundations comprising of Wadhwani Charitable Foundation and Wadhwani Operating Foundation are working with the primary mission of accelerating economic development in emerging economies through large-scale job creation with presence in Asia, Africa and Latin America operating in association with governments, corporate, mentors, investors and educational institutes. Its Initiatives are driving job creation through entrepreneurship, skills development and innovation.

5. **CADD Centre:** As Asia's biggest network of CAD training centers, CADD Centre Training Services is the training arm of the 30 year old CADD Centre Group, head quartered at Chennai, India. They being the only company in India to offer an end-to-end solution to CAD users specializes in Computer Aided Design (CAD), Computer Aided Engineering (CAE), and Computer Aided Manufacturing (CAM) with our wings spread across the globe.

6. **Forsk Technologies:** Forsk Technology offer project based learning in IoT (Internet of Things) and Machine Learning (Data Science). Future courses will be offered based on industry requirement and/or student/faculty feedback. These future courses will be on emerging technologies.

7. **Red Hat Technologies Pvt. Ltd.:** Linux World ('LW') is a fast growing ISO 9001:2008 Certified Organization which is fully governed by young and energetic Technocrats, dedicated to Open Source technologies and Linux promotion. Since its inception in the year 2005, LW have achieved the status of centre of excellence wherein there is latest technology, innovative developing methodology, state of the art infrastructure and individual needs of employees are identified and executed professionally, efficiently & ethically.

8. **Salesforce Technologies Ltd.:** Salesforce is the primary enterprise offering within the Salesforce platform. It provides companies with an interface for case management and task management, and a system for automatically routing and escalating important events. The Salesforce customer portal provides customers the ability to track their own cases, includes a social networking plug-inthat enables the user to join the conversation about their company on social networking websites, provides analytical tools and other services including email alert, Google search, and access to customers' entitlement and contracts.

9. **Cyberops** Cyberops is India's leading organization in the field of Information security. Advancement in technology and interconnected business ecosystems has combined to increase exposure to cyber-attacks. We aim to digitally shield the cyberspace by offering various products and services. We are hovering to influence our proficiency and global footprint in the field of information security and cybercrimeinvestigation.Itfoster certified trainings on Information Security and provides penetration testing for security audits, and Cyber Crime Investigation services for various sectors to meet their specific needs.

10. **SIEMENS Ltd.** With a focus on electrification, automation and digitalization, Siemens India stands for engineering excellence, innovation, and reliability. As one of the world's biggest producers of energy-efficient, resource-saving technologies, Siemens is a pioneer in infrastructure and energy solutions, as well as automation and software for industry. The company is also a leader in medical imaging equipment, laboratory diagnostics, and clinical IT. Siemens also provides business-to-business financial solutions, rail automation and wind power solutions.

Figure 9.2i: Forks Technology

Figure 9.2j: RED Hat Linux Training

9.3 Feedback on facilities

(Assessment is based on student feedback collection, Analysis and then Corrective Action Taken)

1)Different feedback collection: Institute has different kind of feedback collection process collected by students and faculties.

S. No.	Facility	How feedback is taken	Type of Record	Action Taken
1	Hostel Sh P. K. Gupta (CAO /Chief warden)	Entry in the register / discussion with warden / written application / Grievance cell	About Stay in the hostel	Sharing of room changed from 4 to 3
			About Food	Student committee and warden
			About Timing	Boys and girls timings are fixed but on demand as per requirement permission is provided.
			Maintenance	Entry in register and corrective action
			Medical Exigency	Ambulance register
2	Transport Sh. Ravi Bhatnagar	Written application	Route	Recorded with bus in charge
			Fees	

	(Bus Incharge)	with Bus In charge	Flexibility / Maintenance of buses	and appropriate action is taken
3	Library Dr. Anita Jain (Chief Librarian)	Departments are taking feedback related to library and thus submitted to librarian	Timing Books Publication E-books Swayam	Appropriate action taken by Library incharge
4	Sports Dr. Rajesh Sharma (Sports Incharge)	Feedback taken by sports incharge	Ground Participation	Sports incharge takes appropriation decision
5	Over all maintenance Sh. Yogendra Sharma	Feedback from Block Incharges	About maintenance & Safety	
6	Security Sh. P. K. Tiwari	Over all security	Meetings every month	Feedback in the meeting
7	Medical Facility	CAO is responsible	Files maintained	Medical OPD First aid

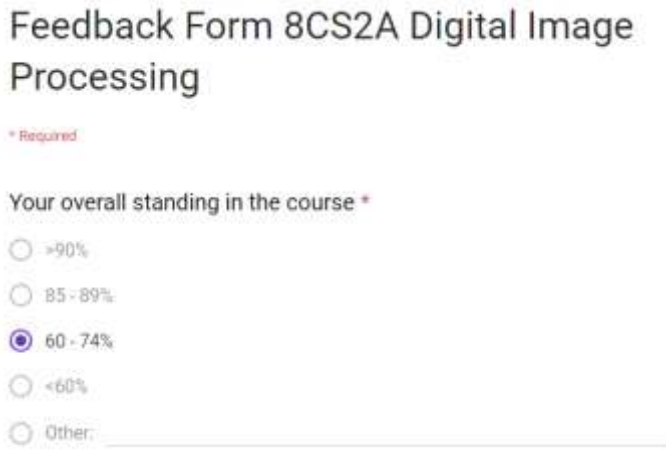
Table B.9.3a: Different feedback collection

A) Course Feedback:

- Meeting arrange by all Class Coordinator with the student.
- All issue regarding course or syllabus are discuss (Within 15 days)
- A feedback form share with student.
- All Data are collected.

Sample of Feedback form by the Departments

1. Course feedback form


Feedback Form 8CS2A Digital Image Processing

* Required

Your overall standing in the course *

- >90%
- 85 - 89%
- 60 - 74%
- <60%
- Other:

CO1: Execute the Fundamental aspects of image processing viz. acquisition,recognition and representation. *

- ○ To a great extent
- ◉ To a moderate extent
- ○ To a slight extent
- ○ Not at all
- ○ Other: _____

CO2: Apply the mathematical foundations of coloring and image enhancement in spatial and frequency domains. *

- ◉ To a great extent
- ○ To a moderate extent
- ○ To a slight extent
- ○ Not at all
- ○ Other: _____

CO3: Implement filters in image restoration against various types noise. *

- ○ To a great extent
- ○ To a moderate extent
- ◉ To a slight extent
- ○ Not at all
- ○ Other: _____

CO4: Analyze various coding algorithms used in image compression. *

- ○ To a great extent
- ◉ To a moderate extent
- ○ To a slight extent
- ○ Not at all
- ○ Other: _____

Unit 1: [About the Course : Level of Complexity] *

- ○ Difficult
- ◉ moderate
- ○ easy
- ○ Other: _____

Unit 2: [About the Course : Level of Complexity] *

- ○ Difficult
- ○ moderate
- ◉ easy
- ○ Other: .....

Unit 3: [About the Course : Level of Complexity] *

- ○ Difficult
- ◉ moderate
- ○ easy
- ○ Other: .....

Unit 4: [About the Course : Level of Complexity] *

- ◉ Difficult
- ○ moderate
- ○ easy
- ○ Other: .....

Unit 5: [About the Course : Level of Complexity] *

- ◉ Difficult
- ○ moderate
- ○ easy
- ○ Other: .....

Did the lecture start on time? [About Course Delivery] * *

- ◉ Always
- ○ Sometimes
- ○ Never
- ○ Other: .....

Did you find the instructor well prepared for the class? [About Course Delivery] *

- ◉ Always
- ○ Sometimes
- ○ Never
- ○ Other: .....

Did the instructor use the blackboard/media in an well organized way? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Did you find the instructor to be fully audible to you? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Overall, how satisfied are you with the quality of the course delivery? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Assignment/quizzes/tests solutions provided/discussed? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Did the instructor cover the full course as per the syllabus? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Instructor's availability outside the class/over cyberspace whenever sought? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Lecture notes provided? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Assignment/quizzes/tests solutions provided/discussed? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Additional reading material/ resource sites provided augmenting/supplementing further knowledge? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Examples from outside the text-book discussed ? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Was the lecture interactive ? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Did you find the pace of lecture delivery adequate? [About Course Delivery] *

- (●) Always
- ( ) Sometimes
- ( ) Never
- ( ) Other: .....

Figure 9.3a: Course Feedback Form

B) Program Exit Form

Program Exit Survey Form

* Required

Email address *

rahultyagi109@jecrc.ac.in

Jaipur Engineering College & Research Centre

*Mandatory

Department of Computer Science & Engineering

Student Name *

Rahul Tyagi

University Roll No. *

14EJCSC302

Percentage till VII semester *

78

Contact No. *

9780766896

Father's Name

S M tyagi

Father's Contact No.

7899086879

Have you Got Placed *

Yes

If Yes then Off Campus/On Campus

On Campus

If Yes then Company Name

TCS

Have you appeared in GATE? *

No

If Yes then Roll No.

If Yes then obtained marks in GATE.

Have you Planned for further Studies *

- Yes
- (●) No

Alumini Random No. *

234

Vision and Mission of Institute

Up to what extent Vision and Mission of institute is taking care of all the needs of stack holders (Students/Parents/Alumni)

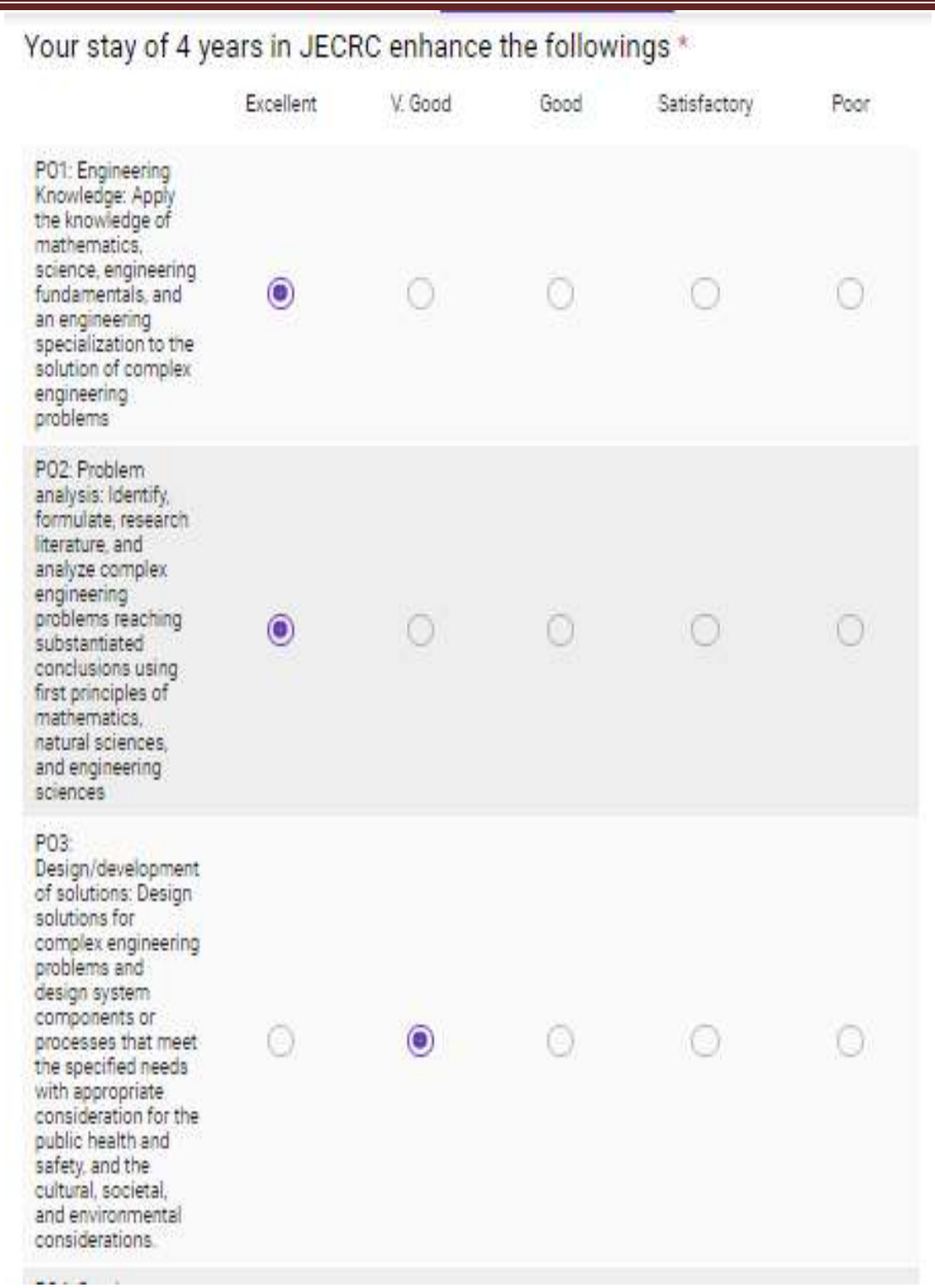
*

	Excellent	V. Good	Good	Satisfactory	Poor
Vision: To become a renowned center of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities	◉	○	○	○	○
Mission 1: Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning	○	○	◉	○	○
Mission 2: Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions.	○	◉	○	○	○
Mission 3: Offer opportunities for interaction between academia and	◉	○	○	○	○
Mission 4: Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.	○	○	◉	○	○

Vision and Mission of CSE Department

Up to what extent Vision and Mission of Department are taking care of all the needs of stack holders (Students/Parents/Alumni) *

	Excellent	V. Good	Good	Satisfactory	Poor
Vision: To become renowned centre of excellence in computer science and engineering and make competent engineers & professionals with high ethical values prepared for lifelong learning.	◉	○	○	○	○
Mission 1 :To imprt outcome base educatio for emerging technologies in the field of computer science and engineering.	○	◉	○	○	○
Mission 2:To provide opportunities for interaction between academia and industry	◉	○	○	○	○
Mission 3: To provide platform for lifelong learning by acceting the change in technologies	◉	○	○	○	○
Mission 4:To develop aptitude of fulfilling social responsibilities and high quality based education	○	◉	○	○	○



Your stay of 4 years in JECRC enhance the followings *

	Excellent	V. Good	Good	Satisfactory	Poor
PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems	◉	○	○	○	○
PO2: Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	◉	○	○	○	○
PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	○	◉	○	○	○

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions	◉	○	○	○	○
PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations	○	◉	○	○	○
PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice	◉	○	○	○	○
PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development	○	◉	○	○	○

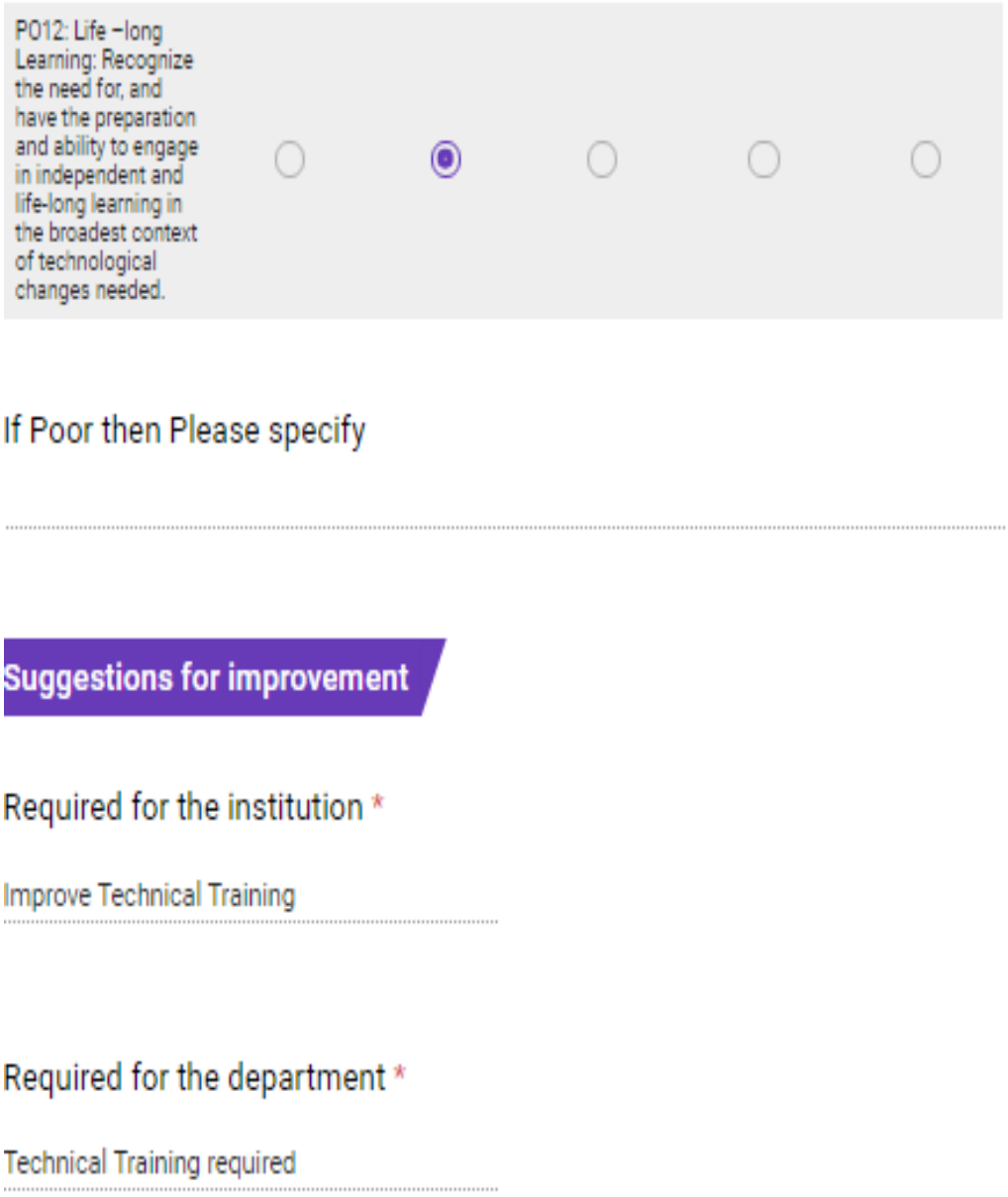
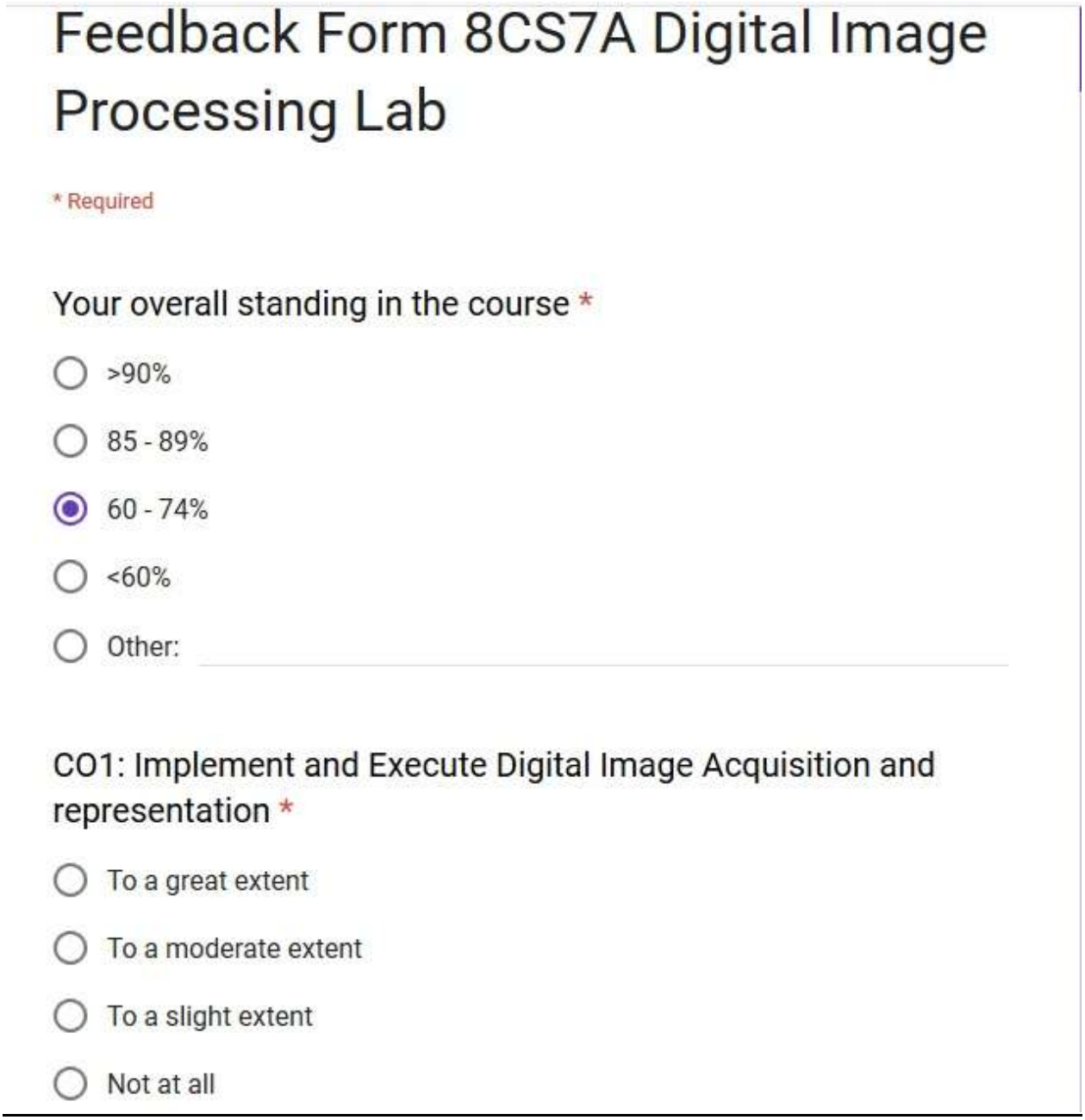


Figure 9.3b: Program Exit Survey Form

C)Lab Feedback:

- Meeting arrange by all Class Coordinator with the student.
- Meeting arranges By HoD with the Lab In charge.
- All issue regarding Lab discuss Like Maintains ,requirement and set up of lab (Within 30days)
- A feedback regarding lab also taken.
- All Data are collected.

D) Sample of Feedback form by the Departments:



Feedback Form 8CS7A Digital Image Processing Lab

* Required

Your overall standing in the course *

- ○ >90%
- ○ 85 - 89%
- ◉ 60 - 74%
- ○ <60%
- ○ Other:

CO1: Implement and Execute Digital Image Acquisition and representation *

- ○ To a great extent
- ○ To a moderate extent
- ○ To a slight extent
- ○ Not at all

CO2: Apply and analyze the methods to segment various types of images *

- ◯ To a great extent
- ◯ To a moderate extent
- ◯ To a slight extent
- ◯ Not at all
- ◯ Other:

CO3: Implement, analyze and compare various filters in images processing *

- ◯ To a great extent
- ◯ To a moderate extent
- ◯ To a slight extent
- ◯ Not at all
- ◯ Other:

CO4: Analyze and compare various algorithms used in image Compression *

- ◯ To a great extent
- ◯ To a moderate extent
- ◯ To a slight extent
- ◯ Not at all
- ◯ Other:

Level of Complexity of Lab *

- ◯ Difficult
- ◯ moderate
- ◯ easy
- ◯ Other:

Did the lab executed on time? *

- ○ Always
- ◉ Sometimes
- ○ Never
- ○ Other:

Did you find the instructor well prepared for the lab *

- ◉ Always
- ○ Sometimes
- ○ Never
- ○ Other:

Overall, how satisfied are you with the quality of the Lab course delivery? *

- ○ Always
- ◉ Sometimes
- ○ Never

Assignment/quizzes/solutions provided/discussed? *

- ◉ Always
- ○ Sometimes
- ○ Never
- ○ Other:

Did the instructor cover the full lab course as per the syllabus? *

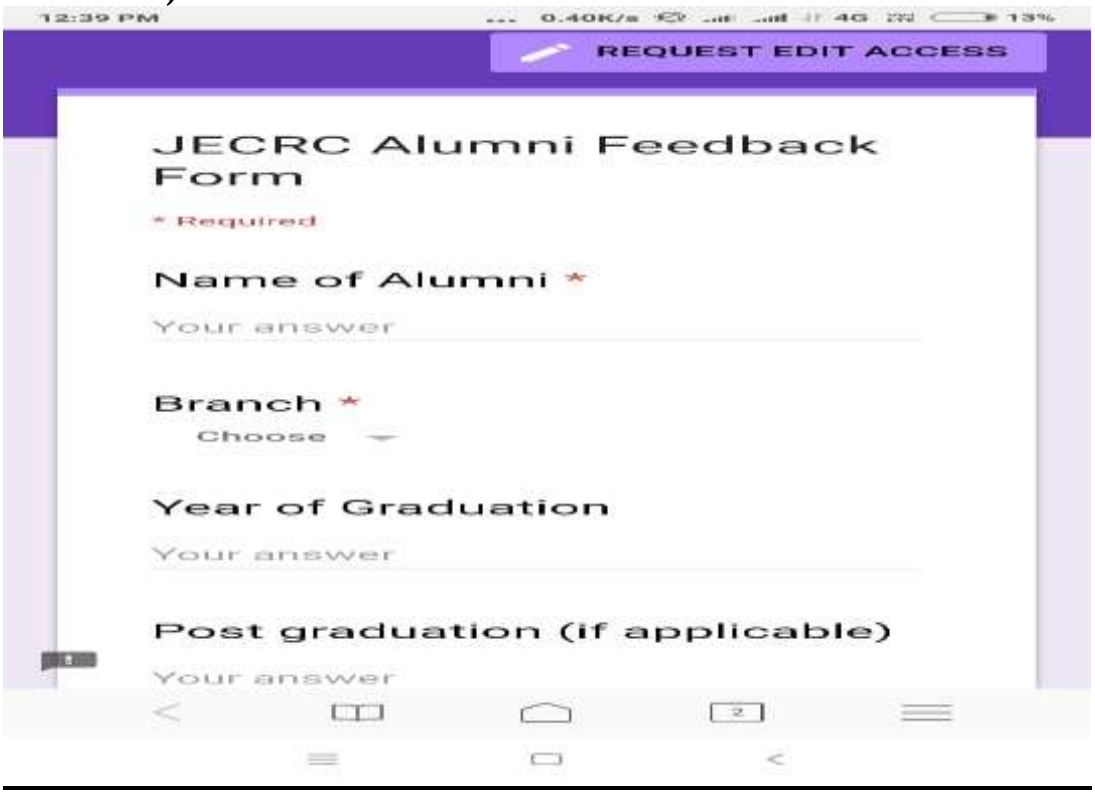
- ○ Always
- ◉ Sometimes
- ○ Never
- ○ Other:

Lab manual provided to students? [About Course Delivery] *

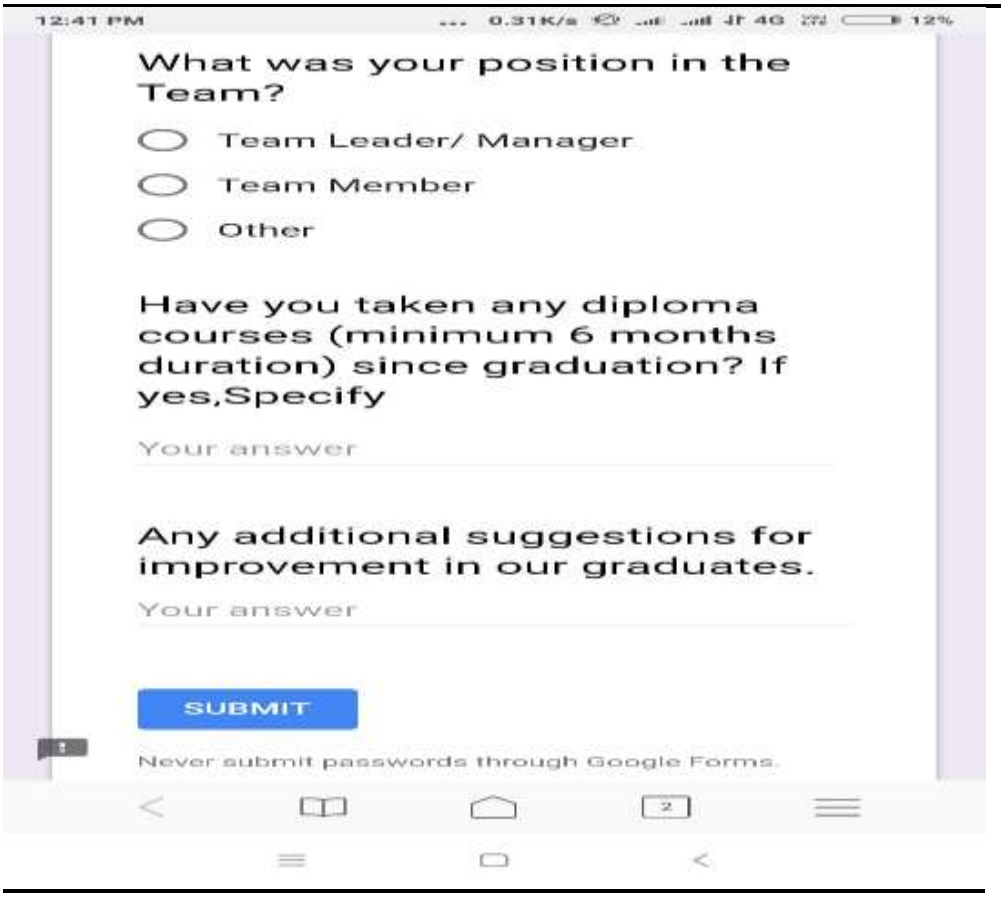
- ○ Always
- ◉ Sometimes
- ○ Never
- ○ Other:

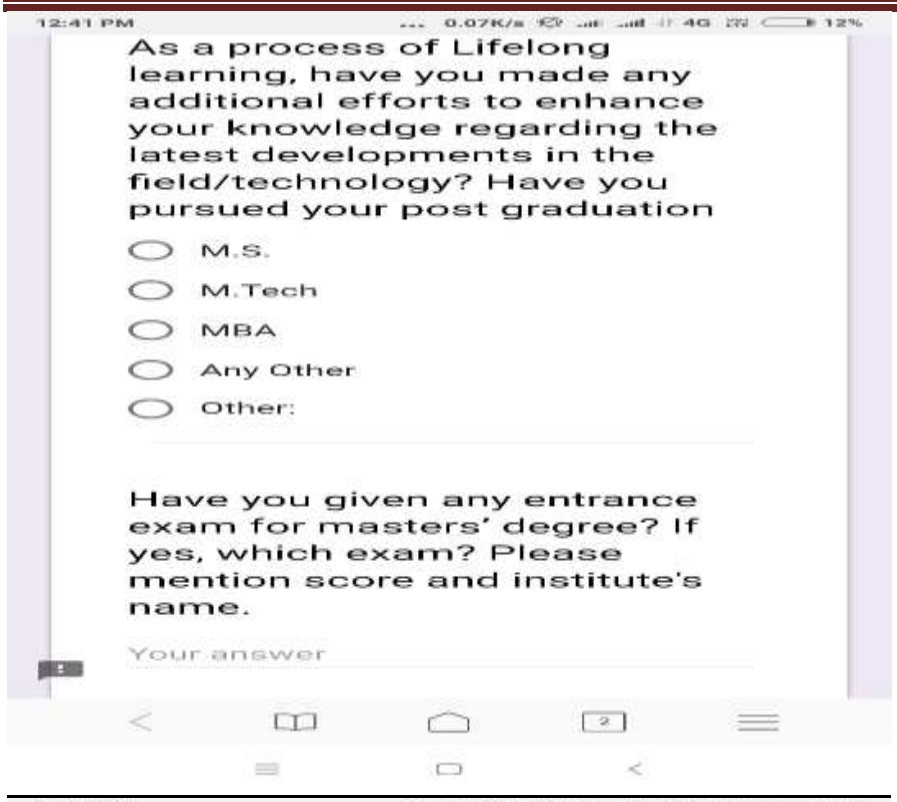
Figure 9.3c: Lab Feedback Form

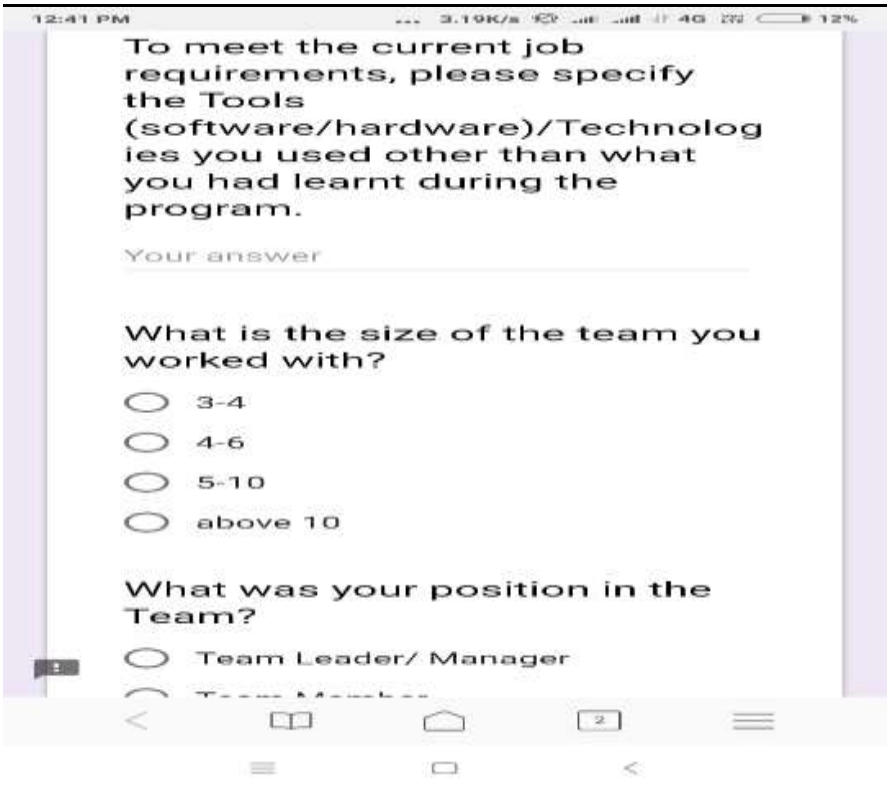
F) Alumni Feedback form

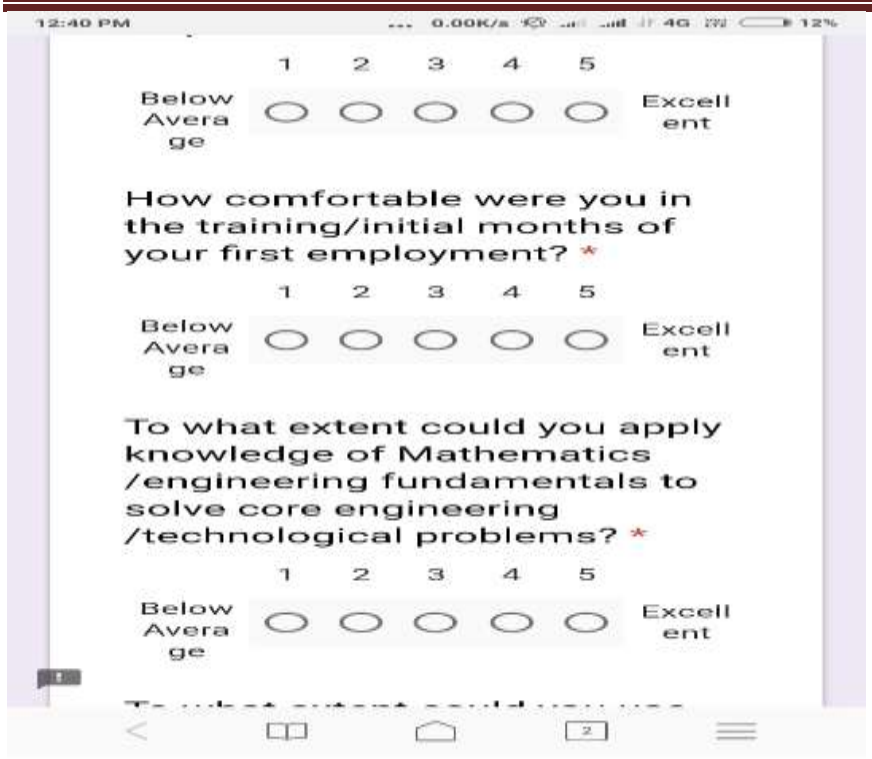


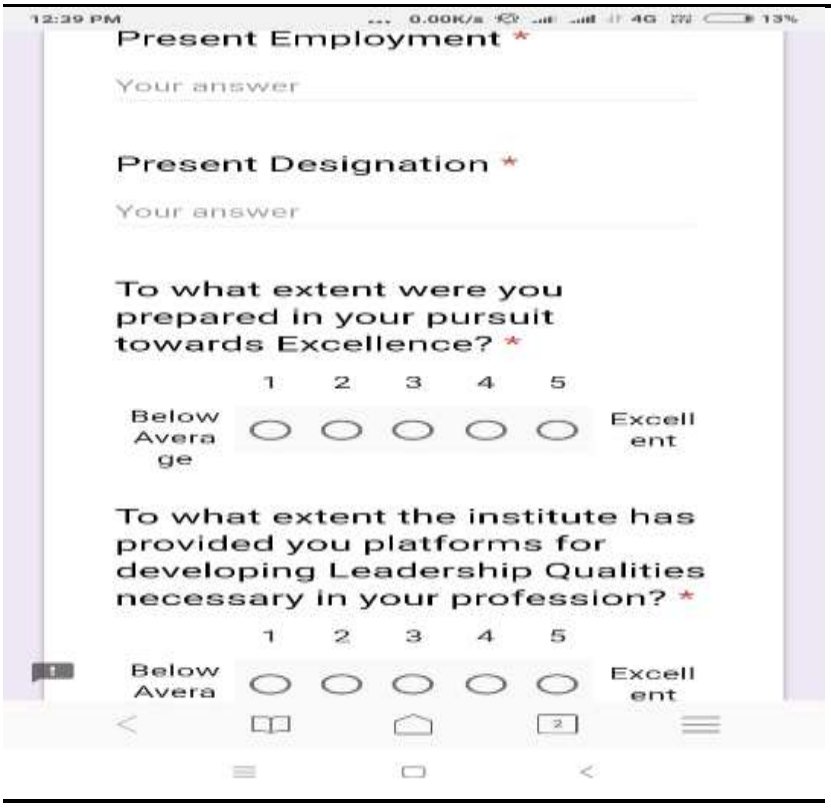
12:40 PM
To what extent did the inputs regarding Adherence to Ethical values helped you towards your professional achievements. *
1 2 3 4 5
Below Average
Excellent
To what extent the college helped you develop Professional Attitude? *
1 2 3 4 5
Below Average
Excellent
To what degree are you satisfied with Communication Skills(oral/written/other) you had developed over your time in JECRC? *
1 2 3 4 5

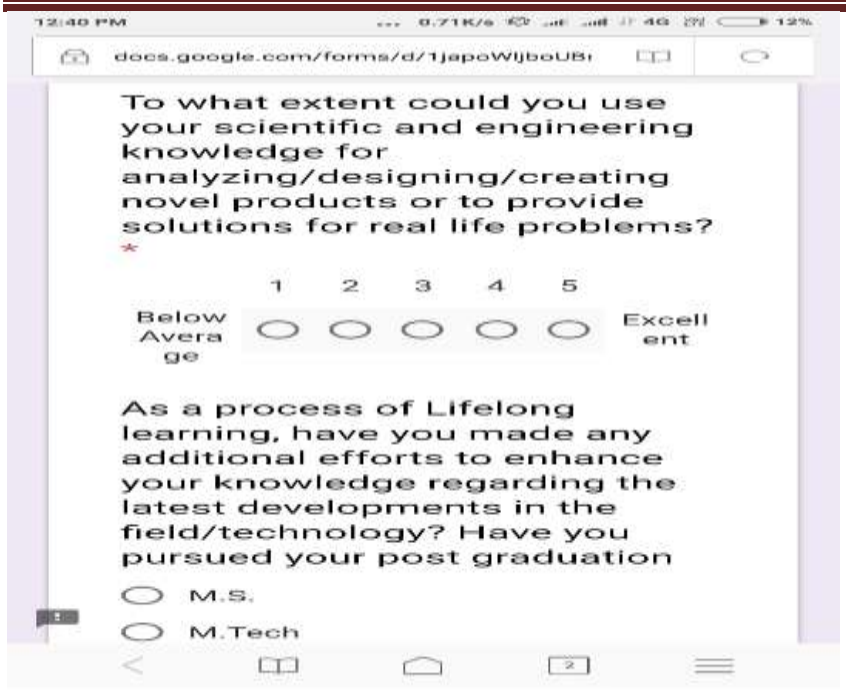

12:41 PM
What was your position in the Team?
Team Leader/ Manager
Team Member
Other
Have you taken any diploma courses (minimum 6 months duration) since graduation? If yes,Specify
Your answer
Any additional suggestions for improvement in our graduates.
Your answer
SUBMIT
Never submit passwords through Google Forms.

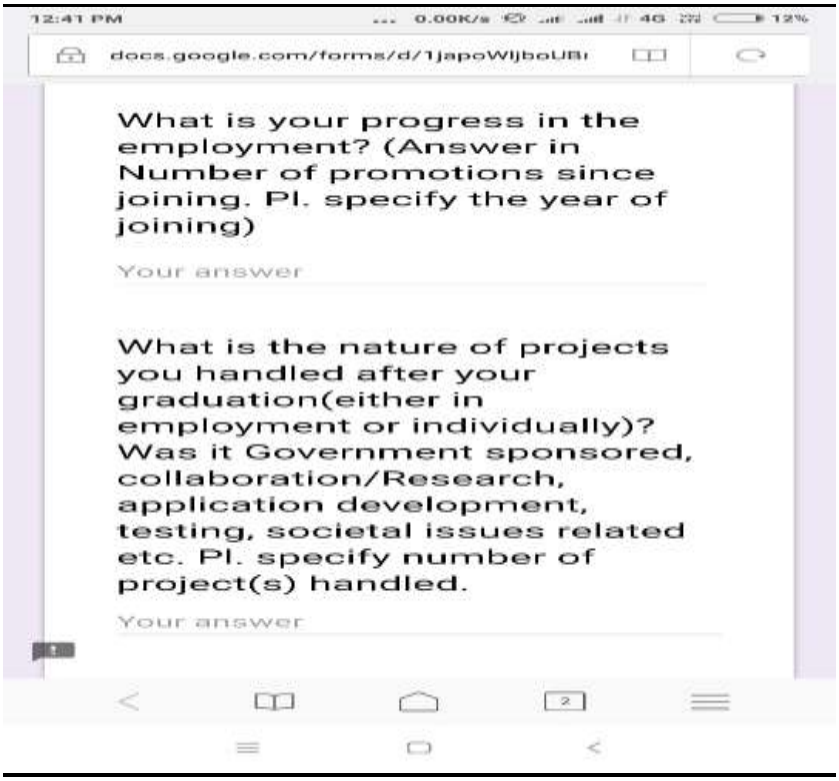

12:41 PM
As a process of Lifelong learning, have you made any additional efforts to enhance your knowledge regarding the latest developments in the field/technology? Have you pursued your post graduation
M.S.
M.Tech
MBA
Any Other
Other:
Have you given any entrance exam for masters' degree? If yes, which exam? Please mention score and institute's name.
Your answer


12:41 PM
To meet the current job requirements, please specify the Tools (software/hardware)/Technologies you used other than what you had learnt during the program.
Your answer
What is the size of the team you worked with?
3-4
4-6
5-10
above 10
What was your position in the Team?
Team Leader/ Manager


12:40 PM
1 2 3 4 5
Below Average
Excellent
How comfortable were you in the training/initial months of your first employment? *
1 2 3 4 5
Below Average
Excellent
To what extent could you apply knowledge of Mathematics /engineering fundamentals to solve core engineering /technological problems? *
1 2 3 4 5
Below Average
Excellent


12:39 PM
Present Employment *
Your answer
Present Designation *
Your answer
To what extent were you prepared in your pursuit towards Excellence? *
1 2 3 4 5
Below Average
Excellent
To what extent the institute has provided you platforms for developing Leadership Qualities necessary in your profession? *
1 2 3 4 5
Below Average
Excellent


12:40 PM
docs.google.com/forms/d/1japoWljboUBI
To what extent could you use your scientific and engineering knowledge for analyzing/designing/creating novel products or to provide solutions for real life problems? *
1 2 3 4 5
Below Average
Excellent
As a process of Lifelong learning, have you made any additional efforts to enhance your knowledge regarding the latest developments in the field/technology? Have you pursued your post graduation
M.S.
M.Tech


12:41 PM
docs.google.com/forms/d/1japoWljboUBI
What is your progress in the employment? (Answer in Number of promotions since joining. Pl. specify the year of joining)
Your answer
What is the nature of projects you handled after your graduation(either in employment or individually)? Was it Government sponsored, collaboration/Research, application development, testing, societal issues related etc. Pl. specify number of project(s) handled.
Your answer

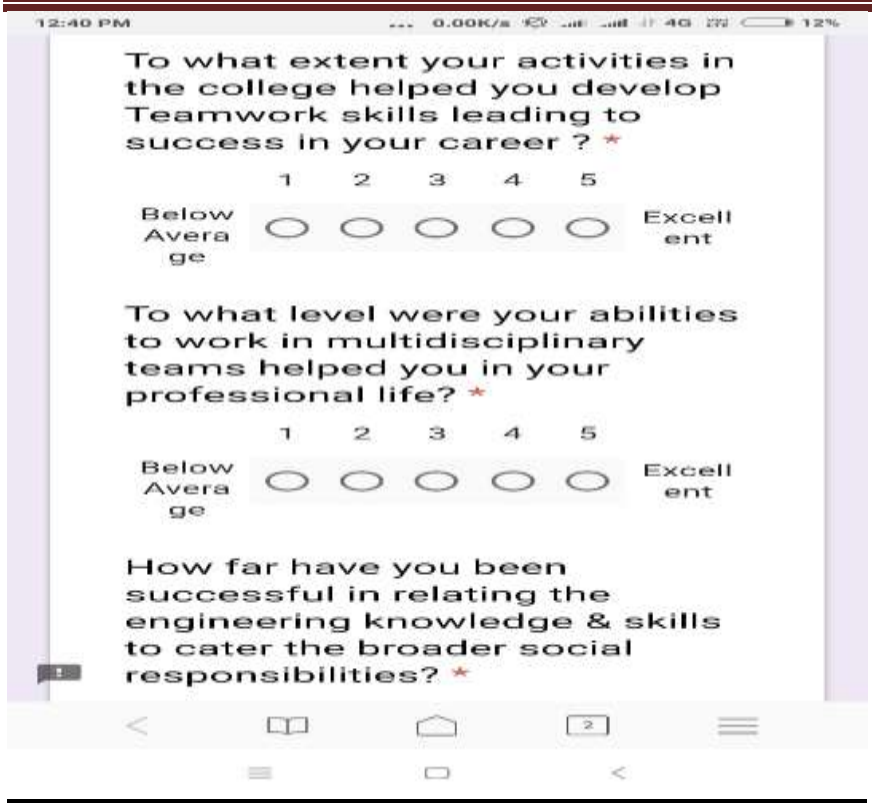


Figure 9.3d: Alumni Feedback Form

G)Hostel Feedback:

- We have system in which faculty stay and visit hostel. Faculty discuss about various services and facilities provided in hostel
- Feedbacks given by students are subject to discuss with the hostel wardens or in-charges resp.

H) Cleanliness feedback:

- **Soch Initiative (Soch –Coordinator)**
- **SWACHCHH JECRC**
- **SOCH-KUCHH KAR DIKHAANE KI**, keeping this motto in mind, the **Team Soch** of JECRC stepped an extra mile to realize the dream project of the H'ble Prime Minister Sh. Narendra Modi, **Swachchh Bharat Abhiyan,** by launching an innovative digitally enabled campaign **SWACHCHH JECRC**. This campaign was aimed to contributing to the society in terms of cleaning the JECRC campus through the QR code. This campaign changed the whole idea of cleanliness. Never did anyone think that cleanliness could be monitored digitally.In this campaign, a special QR code was designed by the technically advanced students of JECRC and put on the posters, dustbins, all over the campus, to expedite the cleanliness drive, which could be accessed through any smartphone, prompting to fill a google form for complaining against any negligence in cleanliness or giving any suggestions regarding the misplacement of the dustbins, areas not cleaned etc. for example.The following link can be used for filling the form: https://goo.gl/EAnOqd

Figure 9.3e: Cleanliness Feedback Form

For any trash, smeared environment, a complaint can be filed by scanning the QR code. By scanning the QR code, a dialog box pops up on the screen which leads us directly to the complaint form. The data filled in the form reaches our supervisors and a response is given within 24 hours.
We get about 10 to 20 number of complaints every day and making it a count of 375 till date which is really astonishing.
In this changing era of digitalization, this innovative ***SWACCH JECRC*** campaign has done a great work.

Figure 9.3f: TEAM SOCH

- 15 days celebration took place as "SwacchataPakhwada" in JECRC, students were participated in this activity, checked for clean campus.
- Students as well as faculties were involved to clean the campus and program continued for 15 days.

Figure 9.3g: "SwacchataPakhwada" celebrated, Cleanliness raised

Corrective action taken regarding feedback:-

A) Course feedback corrective action:

- All data which collected by feedback is discuss to HOD by Class Coordinator like course coverage, course learning, content delivery etc.
- HOD assigns a faculty for collected Course Coverage.
- Discuses with subject faculty regarding Strategy for coverage of remaining units.

B) Lab Feedback corrective action:

- HOD discuses all feedback with Departmental lab in charge.
- Departmental Lab in charge collected all lab status and requirement with budget.
- All data are mention in Lab maintain File.

DEPARTMENT Of. COMPUTER SCIENCE AND ENGINEERING						
S.NO.	**NAME OF ITEM**	**MAKE & MODEL NO.**	**FAULT**	**REPAIRING DATE**	**STATUS**	**REMARKS**
1	Keyboard, mouse	Cp6	Keyboard and mouse are not	7/7/2017	ok	28 New mouse and
2	Software	Cp 3	Matlab not installed	9/8/2017	ok	Matlab installed in 28
3	Keyboard, mouse	Cp7	Keyboard and mouse are not	10/7/2017	ok	25 New mouse and
4	Motherboard	Cp3	Mother board problem	18/10/2017	ok	Motherboard repaired
5	Software	Cp 4	Matlab not installed	29/11/2017	ok	Matlab installed in

6	Monitor	Cp4	No display	14/12/2017	ok	System service
7	Operating System	Cp2	Ubuntu not installed	9/1/2018	Ok	Ubuntu installed in 5
8	Window	Cp3	Windows problem	17/1/2018	Ok	Installed window in 10
9	I/O	Cp4	Input output port not working	6/2/2108	Ok	Input output port changed
10	LAN cable	IBM	Networking problem	21/2/2018	Ok	LAN cable changed
11	Motherboard	Cp6	Motherboard problem	24/2/2018	Ok	Problem solved
12	Monitor	Cp1	Display not working	7/3/2018	Ok	Problem Resolved
13	Wi-Fi	Cp7	Wi-Fi is not working	28/3/2018	Ok	Wi-Fi reconfigured
14	Motherboard	Cp6	Motherboard problem	18/4/2018	Ok	Problem solved
15	Projector	IBM	Projector not working	24/4/2018	Ok	Change VGA connector
16	I/O	Cp8	Networking problem	9/5/2018	Ok	I/O replaced
17	Mouse	Cp5	Not working	15/5/2018	Ok	New mouse issued

Table B.9.3b: Technical Event list

I) LAB MAINTANCE SHEET

SESSION 2017-18

S.No	In charge	
1	HOD	All CC
2	TPO	All Mentor
3	CC	All Student
4	Lab in charge	All Lab technician
5	Mentor	All student
6	CAO	Block in charge
		Departmental in charge

Table B.9.3c: In charge List

Session	Name of Lab	Lab Incharge
2015-16	Cp1	Kaushalendra Nagoria
	Cp2	TovinderSahu
	Cp3	Vishnu Nagoria
	Cp4	DashrathVerma
	Cp5	DashrathVerma
	Cp6	Manish Sharma
	Cp7	Shyam Sunder Sharma
	Cp8	Bhupendra Singh
	IBM	Anil Sharma
2016-17	Cp1	Kaushalendra Nagoria

	Cp2	TovinderSahu
	Cp3	Vishnu Nagoria
	Cp4	DashrathVerma
	Cp5	DashrathVerma
	Cp6	Manish Sharma
	Cp7	Shyam Sunder Sharma
	Cp8	Bhupendra Singh
2017-18	IBM	Anil Sharma
	Cp1	KaushalendraNagoria
	Cp2	TovinderSahu
	Cp3	Atul Sharma
	Cp4	Bhupendra Singh
	Cp5	RamkeshMeena
	Cp6	Kuldeep Singh
	Cp7	Shyam Sunder Sharma
	Cp8	Narendra uchhaniya
	IBM	Anil Sharma

Table B.9.3d:Incharge List

Jaipur Engineering College and Research Centre

Department of Computer Science and Engineering

Minutes of Meeting

Date/Day: 19/9/2015 Saturday	**Time: 11:30am to 12:15 pm**	**Location: CP3 Lab, Block-A, JECRC**
Speaker: CC	**Speaker's Designation:** AP	**Attended by:** All student

Agenda of Meeting:

To discuss the departmental facilities.

Attendees:

Meeting started with the welcome of CC by all students. Following were the points of meeting:-

S.No.	Points
1	CC interacted with allstudents.
2	Discuses alldepartmental facility.
2.	All students gave different idea regarding the topic.
3.	The few common points came out to fill up the feedback.

The meeting ended up with the thanks of Chair and next round of meeting would be held with prior notice.

Jaipur Engineering College and Research Centre

Department of Computer Science and Engineering

Minutes of Meeting

Date/Day: 1/10/2016, Saturday	**Time: 11:30 pm to 12:15 pm**	**Location: EDC, Block-A JECRC**
Speaker: MS. Neelam Chaplot	**Speaker's Designation:** HOD, CSE Department	**Attended by:** All CC CSE faculty members

Agenda of Meeting:

To discuss the regarding course converge

Attendees:

Meeting started with the welcome of HOD, CSE by all CSE faculties. Following were the points of meeting:-

S.No.	Points
1	HOD interacted with departmental faculty regarding course converge of the subject.
2	All faculties gave different idea regarding the topic.
2.	The few common points came out like Fill up Feedback regarding course converge.
3.	Some faculties were assigned to design the feedback form according to their thoughts and they were told to inform students also for this work and can take their views as well.

The meeting ended up with the thanks of Chair and next round of meeting would be held with pre notice, meanwhile those faculties who have given assignment were ask to meet HOD after two days.

9.4. Self-Learning (5)

(*The institution needs to specify the facilities, materials and scope for self-learning / learning beyond syllabus, Webinars, Podcast, and MOOCs etc. and evaluate their effectiveness)*

1) Self-Learning

For self-learning or learning beyond syllabus during the semesters we provide information sharing material and organize different types of activities like workshop, training, conferences, club activities, quiz etc. For these activities academic calendar has sufficient provisions and HOD is authorized to change in schedule with permission of respective authorities.

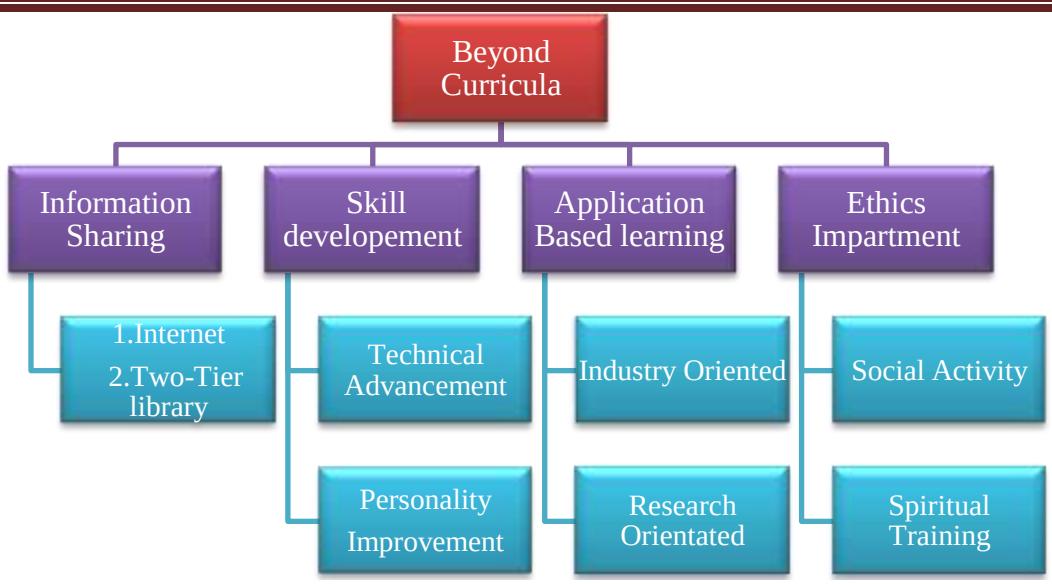


Figure 9.4a: Chart of self-learning or learning beyond curricula

A)Availability of Facility, Materials and Scope for Learning beyond Syllabus

S.No.	Activities	Beneficiary	Details
1.	2-tier Library System	Faculties & Students	The institute has the effective 2-tier Library System both at Institute and the Departmental level
2	Availability of Internet facility in All labs.	Faculties & Students	The project lab is equipped with internet facility and at any time internet can be made available in all the labs.
3	GATE Classes	VIIsem students	Lectures on specific topics are delivered for the students of final year as part of GATE Preparation and online exam for updation of Academic preparation.
4	Moocs like Swayam	Faculties & Students	SWAYAM is a program initiated by Government of India, the objective of this effort is to take the best teaching learning resources to all.
5	Webinars	Faculties & Students	Webinars are opportunity for professional development of students and faculty provided on specific topic.
6	Personality Development lectures	VII	Creativity, lateral thinking and communication / people management skills are essential Components for progress in any sphere. Students are encouraged to develop these through goal setting exercises, group discussions, mock interviews and Presentations.

7	Face classes	VII	Special classes conduct to improve Aptitude, Reasoning (Verbal and nonverbal), Soft skill and communication of students for placement purpose.
8	Industrial visit	V,VI	To bridge the gap between Industry and academia, various modules are covered.
9	Training program /Workshop/Seminars	All students	To enhance knowledge and develop technical skill.
10	Technical Events	All students	To enhance the technical knowledge.
11	International /national Conferences	Faculties & Students	For sharing new ideas and innovation common platform is provided.
12	FDP's	Faculty & Technical staff	Development of faculties.
13	Social activities: (A) Zarurat (B) Soch (C) AASHAYEIN (D) Suhasini	All Students	All round development essentially means intellectual, physical, moral, sensible and social development.
14	Spiritual Training	Faculties & Students	For help in increasing mental capacity to focus better

Table B.9.4a: Availability of Facility, Materials and Scope for Learning beyond Syllabus

B)Information Sharing:

Internet and two-tier library are the two information sharing facilities that we have at our institute.

Library

- Our library has over two thousand books related to non-engineering genre. Where students can learn about the daily life, become better at decision making and learn about self-development.
- We also have books for competitive exams like GATE, CAT, and other government conducted tests.
- Library also possesses number of reference books for better development.

S.No.	Department	No. Of Ebooks
1	CSE	2851
2.	IT	1677
3.	ECE	1419
4.	Civil	635
5.	ME	469
6.	EE	554
7.	Phy	500
	Total	8105

Table B.9.4b: Details of E-books available

Internet

- Internet is the best way to see, experience and learn about new things.
- Our institute has dedicated 12 Mbps lease line with 100% uptime.
- Students are also given special access to registered websites where they can read about latest research, development and other developments going on in respective field. (eg. – IEEE, Research GATE)
- All the labs are equipped with Internet connections, which makes it easier to connect to the up to date and latest technology of respective field

Computer Detail

S.No.	Name of Lab	No. of PC's	Configuration	Software	Licensed Yes/No
1	CP-1	32	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)	Ubuntu, Windows XP, Java, Turbo C++, , Acrobat reader, Winrar	Yes
2	CP-2	28	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)	Ubuntu, Windo, , Acrobat reader, Winrarws XP, Java, Turbo C++	Yes
3	CP-3	28	HCL 18.5" LED,Intel Core i3-3220 3.30 Ghz, Intel H61 Chipset,320 GB SATA, 2X2 DDR3 RAM, 10/100/1000 Lan, DVD RW	Ubuntu, Windows XP, Java, gcc, Model Sim, Acrobat reader, Winrar	Yes
4	CP-4	28	HCL 18.5" LED,Intel Core i3-3220 3.30 Ghz, Intel H61 Chipset,320 GB SATA, 2X2 DDR3 RAM, 10/100/1000 Lan, DVD RW	Windows XP, Oracle 10g, My Sql , Acrobat reader, Winrar	Yes
5	CP-5	10	Intel(R) Core(TM) i5-2400 CPU @ 3.10GHz (4 CPUs), 3.1GHz, DH61WW MB, NVIDIA GeForce 210 Graphics Card, 8 GB DDR3 RAM, Segate HDD 500 GB SATA, Logitech USB MM KB, Logitech USB Mouse, LG DVD RW, Samsung SA-300 19.5" LED	Windows 8, MS office Professonla, Acrobat reader, Winrar	Yes
6	CP-6	28	HCL PIV 3.0 HT, 512 DDRII, HDD80, 17" TFT, HCL USB Keyboard, HCL USB Mouse, Asus 865/915 MB	Ubuntu, Windows XP, Java, Turbo C++, , Acrobat reader, Winrar	Yes
7	CP-7	28	HCL PIV 3.0 HT, 512 DDRII, HDD80, 17" TFT, HCL USB Keyboard, HCL USB Mouse, Asus 865/915 MB	Ubuntu, Windows XP, Java, gcc, Model Sim, Xiline, , Acrobat reader, Winrar	Yes
8	CP-8	28	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)	Windows XP, Oracle 10g, My Sql , Acrobat reader, Winrar	Yes
9	IBM Lab	64	HCL Dual-core E-5500@2.80Ghz, G-41 Intel Chipset MB, 2GB DDR3 RAM, SATA 160 GB HDD, DVD RW, HCL MM PS 2 KB, HCL USB OPTICAL Mouse, HCL 18.5" wide LCD with speaker	Windows XP, Java, Acrobat reader, Winrar	Yes
10	Robotics Lab	9	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)	Windows XP, Java, Acrobat reader, Winrar	Yes

11	Innovation Academy	9	Compaq Dual- Core E5200@2.50GHz, Intel® Chipset G31 MB, 2 GB DDR2 RAM, 320 GB SATAN HDD, COMPAQ USB KB, COMPAQ USB Optical Mouse, LIGHTSCRIBE DVDRW, BENQ TFT-LCD 17"	Windows XP, Java, Acrobat reader, Winrar	Yes
12	CP-11	28	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)	Windows XP, Java, gcc, Acrobat reader, Winrar	Yes
13	CP-12	28	Intel H61 Chipset, Intel Corei-3, 2100, 3.1Ghz, 3M Cache, 2x2 GB DDR3 Ram, 1333 Mhz, 320 GB SATA 3.0 Gbps, 7200, DVD RW, HCL USB Heavy duty Keyboard, HCL USB 2 button Optical Mouse, HCL Digital Colour TFT-LED Monitor 18.5", uATX (Dasher)	Windows XP, Java, gcc, Acrobat reader, Winrar	Yes
14	CP-13	32	Intel 865 Chipset, Intel P-IV 2.8 Ghz, 1x2 MB DDR2 Ram, 80 GB SATA, CD R, HCL PS2 Keyboard, HCL USB 2 button Optical Mouse, HCL TFT-LCD Monitor 17", uATX (Dasher)	Windows XP, Java, gcc, Acrobat reader, Winrar	Yes
15	CP-14	28	Compaq Dual- Core E5200@2.50GHz, Intel® Chipset G31 MB, 2 GB DDR2 RAM, 320 GB SATAN HDD, COMPAQ USB KB, COMPAQ USB Optical Mouse, LIGHTSCRIBE DVDRW, BENQ TFT-LCD 17"	Windows XP, Java, gcc, Acrobat reader, Winrar	Yes

Table B.9.4c: Computer Detail

JECRC

Internet Bill

S.No.	Vendor	Mbps	Bill No.	Duration	Date	Amount
1	Aircel	40	71704201	1-4-14 to 30-6-14	09-03-2014	179776
2	Aircel	40	71850663	1-7-14 to 30-9-14	08-06-2014	179776
3	Aircel	40	71996430	1-10-14 to 31-12-14	08-09-2014	179776
4	Vodafone	65	36070012015	22-11-14 to 31-3-15	01-01-2015	191012
5	Vodafone	65	70329401	1-4-15 to 30-6-15	01-03-2015	191012
6	Vodafone	65	85289367	1-7-15 to 30-9-15	01-06-2015	193800
7	Vodafone	65	100827846	1-10-15 to 31-12-15	01-09-2015	193800
8	Vodafone	65	118265252	1-1-16 to 31-3-16	01-12-2015	194650
9	Vodafone	65	136818069	1-4-16 to 30-6-16	01-03-2016	194650
10	Vodafone	65	156405034	1-7-16 to 30-9-16	01-06-2016	195500
11	Vodafone	65	173342255	1-10-16 to 31-12-16	01-09-2016	195500
12	Vodafone	65	192585695	1-1-17 to 31-3-17	01-12-2016	195500
13	Vodafone	105	216024437	1-4-17 to 31-6-17	01-04-2017	59478
14	Vodafone	105	228881545	1-7-17 to 30-9-17	01-06-2017	236790
15	Vodafone	105	EIRJ081700013973	1-10-17 to 31-12-17	01-09-2017	242967
16	Vodafone	105	EIRJ11700032286	1-1-18 to 31-3-18	01-12-2017	242967
17	Vodafone	105	EIRJ02800053274	1-4-18 to 30-6-18	01-03-2018	242967

Table B.9.4d: Internet Bill

C)Skill Development:

For the overall development of the students, we focus on technical aspects and personality improvement. Which not only makes them a better student, they are also being prepared for future obstacles both on education level and personal level.

Technical Advancements

- We provide GATE examination preparation to our students. Which helps them with both better placements in Govt. PSUs and for those who are interested in higher studies? Due to this program our no.of students are getting into prominent institutes for higher studies and some of them have also been selected for govt jobs.

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VALID SCORE CARD DETAILS & ENTREPRENEUR DETAILS 2017-2018

S. NO	SEMESTER	SECTION	NAME	GATE/GRE/GMAT etc	REGISTRATION NUMBER	GATE/OTHER SCORE	MARK OUT OF 100	ALL INDIA RANK IN THIS PAPER	NUMBER OF CANDIDATE APPEARED IN THIS PAPER
1	8	A	Apurvi Mansinghka	GATE	CS18S33042312	374	27	11021	107893
2	8	A	Akshay vijayvargiya	GATE	CS18S33041234	350	25	13185	107893
3	8	A	Amandeep Goyal	GATE	CS18S33041870	588	45	1893	107893
4	8	A	Ekansh Kushwah	GATE	CS18S33042445	382	27.67	10374	107893
5	8	A	Anushree Jain	GATE	CS18S33045020	469	35	5255	107893
6	8	A	Kapil Khandelwal	GATE	CS18S33045219	624	48	1349	107893
7	8	A	Divaker Soni	GATE	CS18S33041355	322	22.67	16475	107893
8	8	B	Rohit Mathur	GATE	CS18S33043062	441	32.67	6564	107893
9	8	B	Rohit Kumar Gupta	GATE	CS18S33045027	374	27	11021	107893
10	8	B	Mayank Prasad	GATE	CS18S33042125	413	30.33	8122	107893
11	8	B	Sakshi Singhal	GATE	CS18S33045098	517	39	3493	107893
12	8	B	Prakhar Garg	GATE	CS18S33041394	362	26	12049	107893
13	8	B	Nikhil Gupta	GATE	CS18S33042441	394	28.67	9458	107893
14	8	B	MOHIT KUMAWAT	GATE	CS18S33045207	441	32.67	6564	107893
15	8	C	VINOD KUMAR	GATE	CS18S33042335	334	23.67	14969	107893
16	8	C	SURYANSHI ADAN	GATE	CS18S33041846	330	23.33	15462	107893
17	8	C	YASH VIJAY	GATE	CS18S33042270	350	25	13185	107893
18	8	B	Sakshi Garg	IELTS		7			
19	8	C	Sakshi Gupta	CAT		90.40%			
1	8	B	SHIVANSH SHARM	Entrpreneur- Apparel distribution company					

Table B.9.4f: GATE Details

S.No	NAME	BATCH	ORGANIZATION	Location
1	Sakshi Garg	2018	Trinity college	Ireland
2	ADITYA JOHARI	2018	MBA, NMIMS,	Mumbai
3	Sakshi Singhal	2018	M.Tech, NIT Trichi	Trichi
4	Sakshi Gupta	2018	PGDM (MBA),	Mumbai
5	UTKARSH SINGHAL	2017	MBA	
6	VANISHA GAUR	2017	MDI Gurgaon	Gurgaon
7	UMANG SHARMA	2017	MDI Gurgaon	Gurgaon
8	APOORVA JAIN	2017	IIM Rohtak	Rohtak
9	PRATIMA GOYAL	2017	TAPMI Manipal	Manipal
10	CHHAVI INANI	2017	NJIT,USA	USA
11	KRISHNA PATHAK	2017	IIM, Mumbai	Mumbai
12	RITIKA DHOOT	2017	MBA	
13	DEVANSH SETHI	2017	Rochester Institute	USA
14	CHANDNI MATHUR	2016	University of	Urbana
15	MOHIT JESWANI	2016	IIIT-B	Bangalore
16	HIMANSHU GAUR	2016	IIT Madras	IIT
17	VIKAS KUMAR	2016	IIT Bombay	Bombay
18	SHRUTI JAISWAL	2016	University of Texas	Dallas this
19	PRATIBHA	2016	MBA at.	IIM Indore
20	GARIMA	2016	AMITY	
21	ADITYA SHARMA	2016	MBA from MDI,	Gurgaon
22	AAYUSH DUBE	2016	MICA	Mumbai

Table B.9.4g: Higher Studies Details

- We also conduct mock tests, online tests and quizzes to prepare our students for better performance which makes it easier for the student to perform and crack those competitive exams.

Year	No. of Student Appeared online exam
2015-16	180
2016-17	184
2017-18	186

Table B.9.4h: Online Test Data

- In the Digital India, Moocs are the best way to learn a new skill which is the easier way to

advance your Career. Programs like SWAYAM is being used in our institute and many students and faculties have enrolled and learning new skills.

S.No.	Name of Faculty	Subject Registered on Swayam Portal
1	Dr. Vijay Singh Rathore	Cloud Computing
2	Dr. Bhavna Sharma	1. Outcome based pedagogic principles for effective teaching 2. Introduction to Machine Learning
3	Ms. Neelam Chaplot	Introduction to Machine Learning
4	Mr. Mukesh Aggarwal	DSA
5	Mr. Gajendra Sharma	OOPs
6	Mr. Prashant Yadav	Introduction to C
7	Ms. Richa Sharma	Computer Architecture and Organization
8	Ms. Shikha Maheshwari	Outcome based pedagogic principles for effective teaching.
9	Mr. Rajan Kr. Jha	Introduction to Research
10	Mr. Prahalad Sharma	1. Introduction to Machine Learning
11	Mr. Sachin Gupta	Introduction to Research
12	Mr. Shailesh Arrawatia	Introduction to Research
13	Mr. Arihant Kumar Jain	Introduction to Machine Learning
14	Mr. Abhishek Dixit	Introduction to IOT
15	Ms. Neha Bharti	1.Data Structures and File Management, 2.Introduction to Research
16	Mr. Pradeep Sharma	1.Introduction to Research 2. Introduction to IOT
17	Ms. Hemlata Soni	1.Data Structures and File Management, 2.Introduction to Research
18	Ms. Geetika Gautam	cloud computing
19	Ms. Richa Upadhyay	Introduction to Research
20	Ms. Sarita	cloud computing
21	Mr. Ankur Raj	**Fundamentals of database systems, Programming in C plus plus**
22	Mr. Shashi Kant Singh	Introduction to Machine Learning
23	Ms. Deeksha Mathur	Introduction to Internet of things
24	Ms. C.Jeba Nega Cheltha	Introduction to Research, Technical English for Engineers.
25	Ms. Priya Gupta	Computer Architecture and Organization
26	Ms. Kirti Chodhary	Dbms
27	Mr. Ashish Ameria	Introduction to Research
28	Mrs. Saroj Agarwal	Artificial intelligence
29	Ms. Priyanka Mitra	Outcome based pedagogic principles for effective teaching
30	Mr. Ashima Tiwari	Intoducyion to IoT
31	Mrs. Seema Yadav	Fundamentals of Database Systems
32	Mr.Amit Mithal	1) Introduction to Programming in C2) Introduction to internet of things
33	Mrs.Abhilasha	1.Introduction to Research 2. Educational Leadership
34	Mr.Mohit Jain	Introduction to Programming in C
35	Mr. Rajnjeet Pandey	Introduction to Research
36	Mr.Vatan Mishra	Introduction to Research
37	Mrs.Geerija Lavania	Introduction to C Programming
38	Mr.Geet Kalani	Introduction to Research
39	Mr.Anoop Kumar Mehta	Introduction to ResearchIntroduction to Research
40	Mrs.Garima Ojha	Communication in Engg techniques

Table B.9.4i:Details of Faculty registered in SWAYAM

E)Details of students registered in SWAYAM

Name	Swayam Registration (Y/N)	No. of courses registered	Name of Courses registered
Hemlata Soni	Y	3	DSA, Prog. in C and Intro to Research
AAKANKSHA JAIN	Y	2	Programming data structures and algorithms using Python, Object oriented analysis and design
AAKANKSHA SHARMA	Y	2	cloud computing, OOPs
ABHILASH KUMAR TIWARI	Y	2	DSA,C plus plus
ABHIMANYU SINGH RATHORE	Y	1	OOPs
ABHINAV SONI	Y	4	DSA, Prog. in c ++, introduction to programming in c, oops
ABHISHEK AGARWAL	Y	1	OOPs
ABHISHEK GARG	Y	1	OOPs
ABHISHEK JAIN	Y	1	OOPs
ABHISHEK KHANDELWAL	Y	1	OOPs
ABHISHEK MOHATA	Y	1	OOPs
ABHISHEK PAL SINGH JADON	Y	1	OOP
ABHISHEK SHARMA	Y	1	OOPs
ADITYA AGARWAL	Y	2	data structures and file management, programming in CPP
ADITYA KAUSHIK	Y	1	OOPs
ADITYA VYAS	Y	3	DSA, prog. in CPP , prog. in C ,
AKASH JAIN	Y	2	cloud computing, OOPs
AKASH LAKHERA	Y	1	OOPs
AKSHAY GAGRANI	Y	1	OOPs
AKSHAY SHARMA	Y	4	prog. in c , OOP's , DSA , AI
AKSHAY SHARMA	y	3	
AKSHITA VIJAY	Y	1	OOP's
AMAN BANSAL	Y	1	**OOPs**
AMAN PAREEK	Y	1	OOPs
AMAN SRIVASTAV	Y	1	OOPs
AMIT KARWA	Y	1	OOPs
AMIT MOOLWANI	**Y**	**3**	**Prog. in C , oops, DSA**
AMRIT SRIVASTAVA	Y	3	Prog. in C,DSA , OOP's
ANEGA MAHESHWARI	Y	4	Data Structures & File Management, Introduction to programming in C, Programming in C++, Co
ANKIT KUMAR	Y	4	Spoken English, C/C++,painting, agriculture
ANKIT RAJ	Y	2	Prog. in C, OOPs
ANSHU KUMARI JAIN	Y	2	DSA, OOPs
ANTIMA GARG	Y	2	prog. in c++, data structures and file management
ANUKRITI PAREEK	Y	1	OOPs
APOORVA GUPTA	Y	1	OOPs
AROGYA GARG	Y	2	DSA,OOPs
ARPIT KUMAR JAIN	Y	1	OOPs
ARYAN SHARMA	Y	3	DSA,introduction programming in C, programming in C++
ASHISH GUPTA	**Y**	2	DSA,OOPs
ASHISH LAKSHKAR	Y	2	DSA,OOPs
ATAVI SHEKHAWAT	Y	1	OOPs
AVI BHOOTNA	Y	2	DSA, OOPs

AYUSH AGGARWAL	Y	2	data structure & file management ,programming in c++
AYUSH JOHRI	Y	2	data structure and file managment,oop
CHARUL SHARMA	Y	1	OOPs
CHIRAG CHANDAK	Y	2	DSA,OOPs
CHIRAG GOYAL	Y	3	DSA, programming in C, programming in C++
CHIRAG GOYAL	Y	2	DSA, programming in C++
CHIRAYU JAIN	Y	2	oops, dsa
DARSHIT GUPTA	Y	3	DSA, prog. in C++ , prog. in C ,
DEEPAK FAUZDAR	Y	2	DSA,OOPs
DEEPESH SAH	Y	2	dsa, oops
DEEPESH THAWANI	Y	2	DSA,OOPs
DESHANSH GARG	Y	2	DSA,OOPs
DHAIRYA GULGULIA	Y	2	DSA,OOPs
DIKSHA GOYAL	Y	2	DSA, OOPs
DIVAKSHI SINGH	Y	2	DSA, OOPs
DIVYANSH SAXENA	Y	1	OOPs
DIVYANSH SHARMA	Y	1	OOPs
FAISAL KHAN	Y	1	OOPs
GARIMA GILL	Y	1	OOPs
GAUR TUSHAR	Y	1	OOPs
GAURAV SAHU	Y	2	AI and dsa
GOURAV SHARMA	Y	1	programming in c plus plus
HARSH NABERA	Y	1	OOPs
HARSH SHARMA	Y	2	DSA,OOPs
HARSHITA SINGH	Y	1	OOPs
HIMANI MODI	Y	2	DSA, OOPs
HIMANSHU DAMANI	Y	2	data structure & file management ,programming in cpp
HIMANSHU SINGH	Y	1	OOPs
HITESH GAUD	Y	1	OOPs

Table B.9.4j:Details of students registered in SWAYAM

NO OF SUDENTS ATTENDED THESES MOOCS

YEAR 2017-2018

SEM	SECTION	NO OF
3	A	69
3	B	49
3	C	39
4	A	64
4	B	56
4	C	45
5	A	69
5	B	75
5	C	48

Table b.9.4k:no of students attended theses moocs

F)Personality Improvement

- With our efforts in personality development and face classes no. of students have been selects at prominent companies with good starting packages.

- PD classes are the part of curriculum for all students.

Year	Name of event	Object of event	No. of students participated	Date of event
2015-16	Pre Placement training Program by FACE	Bridging gap between academics & Industry	180	12-10-2015 To 14-10-2015
2016-17	Pre placement training by Face	Bridging gap between academics & Industry	184	18-7-2016 to 6 -8-2016
2017-18	Pre placement training program by Face	Bridging gap between academics & Industry	186	20-7-2018 onwards

Table B.9.4l: personality development and face classes

Figure 9.4d: Pre-placement Training 2017-18

G) We invite faculties from various institutes for the face classes which teach our students about aptitude, verbal and non-verbal reasoning etc.

- Mentors of Face Classes :

Year	Faculty
2015-2016	• Amit Jalan • VishakhaAlok • Nida Siddique • Rajdeep Yadav • Vishal Kumar • Yakshani Arya • Ajinkyachopde • Umang Pathak • Naveen. • Kammela Sai Kishor • BabuS.Somasekhar • Ankit Nagar • Narinder Kaur • Vindhya • Divyanshu Srivastava • Paresh Kothari • Jasvinder Singh • Kumar Aakash
2016-2017	• S Somasekhar • Nida Siddique • Vindhya Singh • Kratika Parikh • Shruti Shreya • Nikhil Pratap Sing • SuyashTyagi • Shivam Bansal • Apurva Sharma

2017-18	• Amit • Vishakha • Nida • Rajdee • Vishal • Yakshani • Anjinkya • Umang

Table B.9.4m: Mentors of Face Classes

H)Industrial Oriented

Industrial Visits:

- Students are getting an insight on how their life going to be and what does it mean to be an engineer?
- Industrial visits are conducted on regular basis which a great way to learn and see things in action.

Year	Location	Company Name	No of students enrolled
2015-2016		• Food tech	• 47
2016-2017	• Ahmedabad • Jaipur	• E-infochip • Jaipur Metro Rail Corporation limited	• 27 • 27
2017-2018	Takniki Bhawan, Jhalana, Jaipur	• Ted x	• 23

Table B.9.4n: Industrial Visits:

Figure 9.4e: Industrial Visit

I)Training/workshop/seminar:

- Trainings are the big part of our culture. We conduct occasional training camps and seminars at our institute.
- It is a great way to learn and develop a skill which would be useful for real life scenarios and to become a better engineer.

Year	Name of Event	Object of Event
2015-16	Microsoft Certification Summer training Program in Embedded & Robotics with AVR Controller	This event helps to Bridge the gap between academics & Industry
2015-16	Microsoft Certification Summer training Program in Android	It helps to Bridge the gap between academics & Industry
2015-16	Microsoft Certification Summer training Program in Core Java	It includes basic java programming language
2015-16	Microsoft Certification Summer training Program in Advance Java	It includes advanced java programming such as servlet and applet
2015-2016	Pre Placement training Program by FACE	Bridging gap between academics & Industry
2016-17	Microsoft Certification Summer training Program in .NET	It helped our students to learn about Web Designing which covers User interface design, styles and themes
2016-17	Pre placement training by Face	Bridging gap between academics & Industry
2017-18	Pre placement training program by Face	Bridging gap between academics & Industry
2017-18	Sales force Training	Students were trained on modules of Trailhead
2017-18	Red Hat Linux Training	Students were trained on modules of Red Hat Linux.
2017-2018	Forks Technology Data Science/ Machine Learning	Students are trained on Machine Learning
2017-2018	Forks Technology IOT	Students are trained on IOT

Table B.9.4o: Training detail table

J)Technical Events:

- We conduct a lot of technical events which are competitive. Not only it results in bigger number of participants but they can also learn a lot more.
- These events bring out the competitiveness in our students which is going to be useful in real world. Due to this, our students were motivated enough to participate in events launched by big organization Such as NASA.

- Our students also participate in techno culture festivals such robotic festivals, Olympiad etc.

K)Research Oriented

Conference:

- Conferences are the great way to learn about research and development going on in respective fields, which inspired many students to publish their own research.

- It is also a great starting point for those students who want to pursue their career in research fields.

Conference & SIH organized by the Department of Computer Science & Engineering

Academic Year	Name of the Conference/ Event	National/ International Event	Duration
CAY (2017-2018)	Springer- International Conference - ICETEAS 2018	International Conference	17-18 Feb 2018
	RTCC 2018	National Conference	25-28 Mar 2018
	ICICT'18,London	International Conference	27& 28th Feb 2018
	Smart India Hackathon'18- Nodal Centre	National	30-31 March 2018
CAYm1 (2016-17)	Smart India Hackathon'17- Nodal Centre	National	1-2 April 2017

Table B.9.4p:Confrence/Event detail table

- **Social Activity**
  We have students inclined clubs such as Zarurat, Soch, Aashayein and Suhasini among other. These clubs collectively called ABHYUDAY.
  These clubs are managed by our students which conduct free classes for orphaned children, poor children. This provides them with sense of charity and doing well for others.
  Not only they are learning to be better human beings, they are also setting an example by helping others.

- **Spiritual Trainings**

  We heard so much news about student's suicides which makes it easier to understand that, how stressful a student's life can be.
  We have special spiritual area where our students can experience calm, learn to meditate and

learn to deal with the bad situations in life in a healthy way.

Of audio and video books are also available.

This is very important, because they are learning to face and deal with their problems not run away from them.

9.5 Career Guidance, Training, Placement(10)

(The institution may specify the facility, its management and its effectiveness for career guidance including counselling for higher studies, campus placement support, industry interaction for training/internship/placements, etc.)

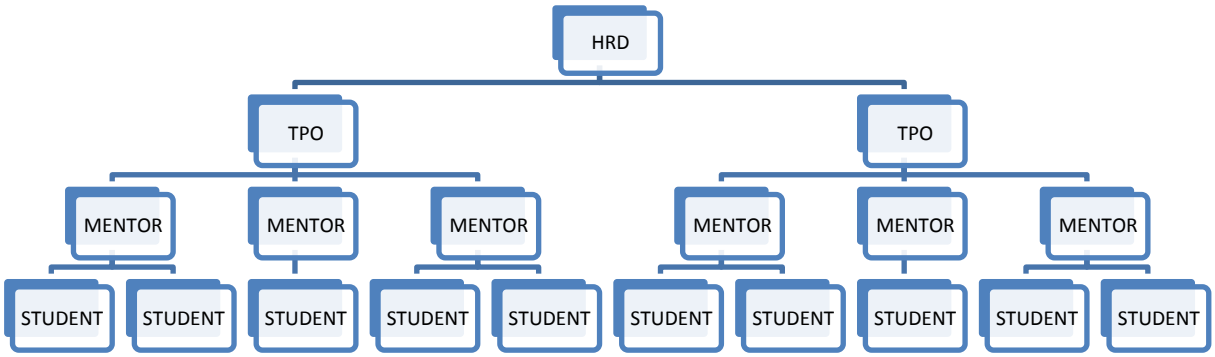


Figure 9.5a: Flow chart of HRD Process

1) Professional Guidance:-

We provide opportunities to students to improve placement percentage like interactions with MNC, Exhibition to provide internship.

S.No.	Name of Event	Date	Description
1	Placement Guidance Organized by HRD	August 2016	The event was graced by Mr. Sanjeev Khosla, MD, Accenture & Mrs. ShobhaKariappa, VP, Recruitment.
2	ISRO Exhibition	April 2016	For the first time in Rajasthan an exhibition of the "Space Endeavours of India" was conducted by ISRO (Indian Space Research Organization) at JECRC University in April 2016.
3	SIH 2K17 Organized by MHRD, Govt of India	March-April 2017	JECRC was among the only twenty eight colleges selected in the country.
4	Interactive Session	September 2017	This session conducted by Dr. Sanjeev

	Organized by SanjevOhri		Ohri ,Uk.
5	Interactive Session SPIC MACAY	September 2017	Conducted by Dr. Kiran Seth, founder, SPIC MACAY
6	Awareness Workshop (SIH 2K18)	January 2018	Workshop about second edition of smart India hackathon
7	JECRC Hackathon	10th January 2018 And 11th January 2018	200 students teams participated in a 24 hour nonstop digital product development competition
8	Careers in Entertainment industry ("masalePyarVaale")	2018	Held a screening of a short film "masalePyarVaale" of New York Film Academy.
9	Exhibition Organized by ISRO.	April 2018	Space Endeavours of India was conducted by ISRO
10	SIH 2K18 Organized by MHRD, Govt of India	30th -31st March 2018	JECRC was among the only twenty eight colleges selected in the country.

Table B.9.5a: Placement Related Activities

Figure 9.5c: ISRO Exhibition 2018

Figure 9.5d: Interactive Session with Mr. Sanjeev Ohri and Mr. Nikko Philips

Figure 9.5e: Smart India Hackathon 2K17

Figure 9.5f: JECRC Hackathon 1.0

Figure 9.5g: SIH 2K18 Awareness Camp

Figure 9.5h: Smart India Hackathon 2K18

A)GATE Examination Preparation

- We provide GATE examination preparation to our students which help them with both better placements in Govt. PSUs and for those who are interested in higher studies. Due to this program our no.of students are getting into prominent institutes for higher studies and some of them have also been selected for govt jobs

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
VALID SCORE CARD DETAILS & ENTREPRENEUR DETAILS 2017-2018

S. NO	SEMESTER	SECTION	NAME	GATE/GRE/GMAT etc	REGISTRATION NUMBER	GATE/OTHER SCORE	MARK OUT OF 100	ALL INDIA RANK IN THIS PAPER	NUMBER OF CANDIDATE APPEARED IN THIS PAPER
1	8	A	Apurvi Mansinghka	GATE	CS18S33042312	374	27	11021	107893
2	8	A	Akshay vijayvargiya	GATE	CS18S33041234	350	25	13185	107893
3	8	A	Amandeep Goyal	GATE	CS18S33041870	588	45	1893	107893
4	8	A	Ekansh Kushwah	GATE	CS18S33042445	382	27.67	10374	107893
5	8	A	Anushree Jain	GATE	CS18S33045020	469	35	5255	107893
6	8	A	Kapil Khandelwal	GATE	CS18S33045219	624	48	1349	107893
7	8	A	Divaker Soni	GATE	CS18S33041355	322	22.67	16475	107893
8	8	B	Rohit Mathur	GATE	CS18S33043062	441	32.67	6564	107893
9	8	B	Rohit Kumar Gupta	GATE	CS18S33045027	374	27	11021	107893
10	8	B	Mayank Prasad	GATE	CS18S33042125	413	30.33	8122	107893
11	8	B	Sakshi Singhal	GATE	CS18S33045098	517	39	3493	107893
12	8	B	Prakhar Garg	GATE	CS18S33041394	362	26	12049	107893
13	8	B	Nikhil Gupta	GATE	CS18S33042441	394	28.67	9458	107893
14	8	B	MOHIT KUMAWAT	GATE	CS18S33045207	441	32.67	6564	107893
15	8	C	VINOD KUMAR	GATE	CS18S33042335	334	23.67	14969	107893
16	8	C	SURYANSHI ADAN	GATE	CS18S33041846	330	23.33	15462	107893
17	8	C	YASH VIJAY	GATE	CS18S33042270	350	25	13185	107893
18	8	B	Sakshi Garg	IELTS		7			
19	8	C	Sakshi Gupta	CAT		90.40%			
1	8	B	SHIVANSH SHARM	Entrpreneur- Apparel distribution company					

Table B.9.5c: GATE Details

B)Campus Placement Support/Training

A training and placement cell is established and responsible for campus placement (off campus also) and training which improve students skills both technical and behavioral. A cell provides various opportunities for student placements and organizes sessions / training programs.

1	Interactive Session (TCS Representative)	Aug,2015	An interactive session with Anurag Chawla and Vaibhav Bansal both employed at TCS
2	Interactive Session (TCS Commune Program)	2017	The talent acquisition head, North India for TCS, Mr. Narendra Chandel visited JECRC to interact with students regarding the TCS Campus Commune Program...
3	Sales force Training	2018	Students were trained on modules of Trailhead

Table B.9.5d: Campus Placement Support/Training

Training in Institute:

Year	Name of event	Object of event	No. of students participated	Date of event
2015-16	Pre Placement training Program by FACE	Bridging gap between academics & Industry	180	12-10-2015 To 14-10-2015
2016-17	Pre placement training by Face	Bridging gap between academics & Industry	184	18-7-2016 to 6 -8-2016
2017-18	Pre placement training program by Face	Bridging gap between academics & Industry	186	20-7-2018 onwards

Table B.9.5e: Training in Institute:

C)TP Squad:-Our institute has a group of faculties called TP squad which interact with companies/industries for training/internship/placement.

Jaipur Engineering College and Research Centre
Department of Computer Science and Engineering
Minutes of Meeting

From: CSE-T&PSquad	To: All Concerned

Noting Reference No. JECRC/CSE-TnPS/MoM/2017/December/09
09/12/2017

Minutes of Meeting

Agenda –

1. Formation of CSE-Training &Placement Squad
2. Placement strategy for Un-placed students
3. Task assignment.

Meeting Venue and Date: EDC Conference Room A block at 2:00 O'clock on Saturday, December 09, 2017

Chaired By:
Dr. Vijay Singh Rathore

Attendees

1. **Faculty Coordinators:**
   Dr. Sanjay Gaur
   Dr. NilamChoudhary
   Ms. ShikhaMaheshwari
   Mr. Abhishek Dixit
   Ms. Priyanka Mitra

2. **Students Coordinators:**
   Ms. Japleen Kaur
   Ms. Kanishka Goyal
   Ms. RidhimaShekhawat
   Ms. ApurviMansingha
   Mr. Atul Dada
   Mr. DikshantMamodia
   Mr. NiteshVashishtha
   Ms. MohitEaran

Points put up for Discussion as per agenda:–

1. The meeting started with motivational triggers connecting the current action with a bigger vision.
2. 12 well trained and placed students of 7th Semester (some listed above) were identified for taking the action further.

3. It was decided for unplaced 162 students of CSE department, each student coordinator will be allotted a group of 15 students.
4. Future course of action was chalk out, based on following categories:
   a. For **Competition based hiring,** the student coordinators under the mentor-ship of faculty coordinator, will help their group for better preparation by identifying coding tricks and algorithms or training as per the requirements.
   b. For **Companies lined up by HR Team,** the student coordinators will motivate and extend their help in identifying the company specific set of questions and training available on the internet.
   c. For **Identification of Personal Contacts,** faculty coordinator along with students will approach organizations to take the things further in positive direction.
   d. For **Establishing Contact with Alumni,** both identified faculty member along with a team of students will approach Alumni of JECRC Foundation for the placement of students.

5. Each of these above mentioned strategy is then allotted to the TPC Squad as follows:
   a. Competition Based Hiring – Dr. Sanjay Gaur will coordinate with Dr.NeelamChaplot.
   b. Companies lined up by HR Team- Ms. Priyanka Mitra will coordinate with HR.
   c. Identification of Personal Contacts – Ms. NilamChoudhary will gather the possible contacts from other faculty members of the Department.
   d. Establishing Contact with JECRC Alumni – Ms. ShikhaMaheshwari will be responsible for contacting them.
   e. Mr. Abhishek Dixit, TPO-CSE will also be responsible for bridging the gap between HR and Departmental team, if any.
6. It has been decided the student allotment will be completed by December 11, 2017 with the help of existing mentors.
7. The meeting ended with a clear understanding of the vision and assignment to be carried out for achieving the same.

Copy To:
All Concerned

D)Entrepreneurship

Institute has a cell which improves entrepreneurship development skills in students by doing activities such as seminars, workshops and awareness camps. (Entrepreneurship and incubation).

- To improve Entrepreneurship skills in students.
- Cell conducts many workshops and awareness camps for students.
- Cell has incubation centre and associated with start-ups.
- Cell schedules interactions with alumni start-ups.

S.No.	Name of Event	Date	Description
1	Interactive Session Motivational speaker	September 2015	An interactive session for students by renowned motivational speaker Mr. Vijay Batra
2	Workshop On Entrepreneurship Skill Development	Feb, 2016	A workshop was conducted by EDC JECRC on Entrepreneurship Skill Development The expert speaker was Dr. Pankaj Bharti from Entrepreneurship Development Institute of India,
3	Entrepreneurship awareness camp	March 2016	A three day Entrepreneurship Awareness Camp was organized at JECRC in association with DST The camp witnessed a registration of 300 students and a footfall of 12 eminent speakers from the start upecosystem of the country.
4	JOSH Meets	May 2016	JOSH Meets, an opportunity for interactive sessions with six achievers from various fields
5	Interactive session With Alumni	August 2016	An interactive session with the alumnus of JECRC &Co-Founder,Celebal, Sh. Anirudh Kala was conducted training& placement opportunities for students of JECRC at Celebalwere identified.
6	Orientation Session Organized by Career Development Centre, JECRC	2017	Career Development Centre, JECRC &Intervarsity organized an orientation session for students to help them grab internationalinternship opportunities. Dr. Harsh Mishra, Founder iSEED&Dr.K. C. Jacob, President & Managing Consultant, Horton Internationalspoke to students about opportunities in Singapore & Hong Kong.
7	TEDx Talk	March 2017	The first TEDx talk in any RTU affiliated college was conducted in JECRC on 25th March 2017 wherein 10 international speakers spoke to our students

Table B.9.5d: EDC Events list

Figure 9.5: Entrepreneurship awareness camp

E)Government Job Cell

Government job cell was established in our institute in the year 2016 to prepare students towards different competitive examination. In this cell we encourage and inspire students for competitive examination by doing activities like interactive sessions with central government head, NBS head.

S.No.	Name of Event	Date	Description
1	Interactive Session NBS by G. D. Bakshi	October 2015	An interactive session with Major Gen. Dr.G. D. Bakshi was organized for students in October 2015.
2	Interactive Sessionwith the "Metal King of India"	November 2015	An interactive session with the "Metal King of India", Mr. Anil Agarwal, Chairman, Vedanta Resources Plc.
3	Interactive Session By MHRD, Government of India	February 2017	An interactive session with Sh. Anil Swarup, Secretary, (SE & L), MHRD, Government of India was organized for students of JECRC.
4	JECRC MUN	April 2017	The 6th edition of JECRC MUN was held in April 2017, presenting five different committees UN GA-DISEC, NSC, UN HRC, SOCHUM & ICJ.

5	7th Edition of JECRC MUN	April 2017	GA-DISEC, UNSC, UN-HCR, CSW AND Loksabha along with international press

Table B.9.5e: EDC Events list

Figure 9.5i: Interactive session with MajorGen(Dr.) G.D.Bakshi

Figure 9.5j: Interactive session with Metal king Sh. Anil Agarwal

Figure 9.5l: JECRC MUN

F)Industry Visit: We schedule industry visits for students so they can see and learn technologies in industry also observe professional environment in industry. It helps to bridge gap between industry and academics. Students learn about latest platforms to be work upon.

S.No.	Name of Industry	Session
1	Food tech	2015-16
2	JRBL	2016-17
3	E-infochip	2016-17
4	Ted x @ Taknikibhavan, Jhalana jaipur	2017-18

Table B.9.5f: Industry Visit

G) All round development: Many technical events like conferences and workshops are organized in the institute to improve and present technical skills of students.

- National level competition for students like Smart India Hackathon was held in institute.
- To prepare teams a faculty guide was assigned to a particular team and an intra college competition like JECRC hackathon was organized to check, improve technical skills level of shortlisted teams.

S.No.	Name of Event	Date	Description
1	Ideation Feedback And Social Media Contest	Nov, 2015	contest under theDigital for Customer Engagement program of SAP, U.S.was organized exclusively for students of JECRC.
2	J Techtrix An Exhibition	Nov, 2015	A two day exhibition of projects of 1st Year students was held at JECRC
3	National Conference RTDEEE-2016	August 2016	A two-day national conference RTDEEE-2016, (Recent TechnologicalDevelopments in Electronics & Electrical Engineering)

4	Interactive Session (TCS Campus Commune Program)	2015	The talent acquisition head, North India for TCS, Mr.Narendra Chandel visited JECRC to interact with studentsregarding the TCS Campus Commune Program
5	Interactive Session (TCS Representative)	Aug,2015	An interactive session with Anurag Chawla and Vaibhav Bansal both employed at TCS
6	Interactive Session (HEXA CCIE + CCDE) BY Khawar Butt	Oct,2015	An interactive session with world's only HEXA CCIE +CCDE, Khawar Butt was organized for students
7	"Sustainability Development: Challenges & Opportunities. (Short term training course)	From 12th To 16th October 2015	Mechanical Department in association with NITTTR,Chandigarh on "Sustainability Development: Challenges &Opportunities.
8	Workshop on "Implementation of logical operations in Software, Image Processing and GUI (Workshopby IIT Mumbai and Techienest Jaipur)	February 2016	A two day workshop on "Implementation of logicaloperations in Software, Image Processing and GUI directlyfrom industry experts, MATLAB, MATLAB projects &interaction with renowned Industry Experts" was held for students by IIT Mumbai and Techienest Jaipur
9	"Automotive Design and Development" (A training Program)	From 8th To 22nd February 2016.	"Automotive Design and Development" in association with Elite Techno Group
10	International Workshop (Open source software)	September 2016	An international workshop on open source software was conducted at JECRC in association with CSI, Jaipur Chapter and Drupal Jaipur Community. Our special guests were Mr. Micheal Canon, COO and Mr. Nathan Roach, Content Marketing Associate, Axelerant Technologies, Atlanta, US
11	J Techtrix (An Exhibition)	April 2017	J Techtrix, a daylong exhibition of projects of our students was held at JECRC in April 2017 wherein more than forty selected projects were on display
12	SIH-2K17 (Smart India Hackathon)	April 2017	The grand finale of Smart India Hackathon organized by MHRD, Govt Of India was held at JECRC. JECRC was among

	organized by MHRD, Govt of India		the only twenty-six colleges selected in the country for this event wherein 47teams from all over India came to participate in a 36-hour nonstop Coding competition.
13	Interactive Session (TCS Commune Program)	2017	The talent acquisition head, North India for TCS, Mr. NarendraChandel visited JECRC to interact with students regarding the TCSCampus Commune Program...
14	National Conference (RESSD-2016)	October	A two-day national conference RESSD-2016, (Renewable EnergySources& Sustainable Development) was conducted keynote speaker was Prof. S. K. Ghosh, Dept. ofCivil Engineering, and IITRoorkee.
15	Expert Talk Organized by CSE department	November 2017	An invited talk by prof. Peter Kent &Prof. David Wing, CEO UKE was organized by CSE department
16	Sales force Training	2018	Students were trained on modules of Trailhead
17	Interactive Session Organized by CSE department	2018	Conducted by Dr. Niko Philips, Oxford College
19	ICETEAS-2018	February 2018	ICETEAS was organized at JECRC
20	J-Techtrix 3rd Edition An Exhibition	17th March 2018	JECRC's student project exhibition.
21	SIH-2K18 (Smart India Hackathon) organized by MHRD, Govt. of India	30th -31st March 2018	JECRC was among the only twenty eight colleges selected in the country.

Table9.5g: Name of Event

H) MOU's was done with industries to emphasize on

(a) Internship
(b) Project Workshop for Students
(c) Industrial Visits
(d) Students specific Training

S. No.	Company Name	Date
1.	**Forsk Technologies**	**2-Nov-2017**
2.	**RedHat Technologies**	**7-Nov-2017**
3	**Infosys Campus Connect**	**12-May-2017**
4	**CADD Centre**	**30-Oct-2017**
5	**Wadhwani Foundation**	**13-Oct-2017**
6	**SakRobotix Lab**	**27-Apr-2017**
7	**Salesforce Technologies Ltd.**	**17-Jan-2018**
8	**Indo Vision Services Pvt. Ltd.**	**22-Mar-2017**
9	**Cyber Security**	**May-2018**

Table9.5h: MOU Details

The following are the details of MOUs:

1. **ForskTechnologies:**Forsk Technology offer project based learning in IoT (Internet of Things) and Machine Learning (Data Science). Future courses will be offered based on industry requirement and/or student/faculty feedback. These future courses will be on emerging technologies.

2. **Red Hat Technologies Pvt. Ltd.:** Linux World ('LW') is a fast growing ISO 9001:2008 Certified Organization which is fully governed by young and energetic Technocrats, dedicated to Open Source technologies and Linux promotion. Since its inception in the year 2005, LW have achieved the status of centre of excellence wherein there is latest technology, innovative developing methodology, state of the art infrastructure and individual needs of employees are identified and executed professionally, efficiently & ethically.
3. **Infosys Campus Connect:** Launched by Infosys in May 2004, CC is a unique academia-industry initiative to "architect the education experience". The objective in launching the CC programme is to enhance the quality and quantity of the IT talent-pool; sustain the growth of the IT industry itself. The portal will provide a digital platform for academia-industry interaction anytime, and anywhere.
4. **CADD Centre:** As Asia's biggest network of CAD training centers, CADD Centre Training Services is the training arm of the 30 year old CADD Centre Group, head quartered at Chennai, India. They being the only company in India to offer an end-to-end solution to CAD users specializes in Computer Aided Design (CAD), Computer Aided Engineering (CAE), and Computer Aided Manufacturing (CAM) with our wings spread across the globe.
5. **WADHWANI Foundation:**Launched in 2000 by Dr.RomeshWadhwani, the Foundations comprising of Wadhwani Charitable Foundation and Wadhwani Operating Foundation are working with the primary mission of accelerating economic development in emerging economies through large-scale job creation with presence in Asia, Africa and Latin America operating in association with governments, corporate, mentors, investors and educational institutes. Its Initiatives are driving job creation through entrepreneurship, skills development and innovation.
6. **SAKROBOTICS LAB:** Establishing a Robotics Research Centre in the campus of JECRC, providing Internship to JECRC Students and to engage the students in Robotics Training and also offering Robotics product development exposure.

Figure 9.5m: J-Techtrix 2018

9.6 Entrepreneurship development cell (5)

(The institution may describe the facility, its management and its effectiveness in encouraging entrepreneurship and incubation) (Success stories for each of the assessment years are to be mentioned)

1) Entrepreneurship cell is established in mentorship of Mr. SiddharthChaturvedi, our College for encouraging and inspiring students for start-ups and entrepreneur. Various interactive sessions for students with alumni and start-up representative are organized to know the importance of being an entrepreneur and ways to get financial assistance to become an entrepreneur.

S.No.	Name of Event	Date	Description
1	Interactive Session Motivational speaker	September 2015	An interactive session for students by renowned motivational speaker Mr. Vijay Batra
2	Workshop On Entrepreneurship Skill Development	Feb, 2016	A workshop was conducted by EDC JECRC on Entrepreneurship Skill Development The expert speaker was Dr. Pankaj Bharti from Entrepreneurship Development Institute of India,
3	Entrepreneurship awareness camp	March 2016	A three day Entrepreneurship Awareness Camp was organized at JECRC in association with DST The camp witnessed a registration of 300 students and a footfall of 12 eminent speakers from the start up ecosystem of the country.
4	JOSH Meets	May 2016	JOSH Meets, an opportunity for interactive sessions with six achievers from various fields

5	Interactive session With Alumni	August 2016	An interactive session with the alumnus of JECRC & Co-Founder, celebal, Sh. Anirudh Kala was conducted training & placement opportunities for students of JECRC at Celebal were identified.
6	Orientation Session Organized by Career Development Centre, JECRC	2017	Career Development Centre, JECRC & Intraversity organized an orientation session for students to help them grab international internship opportunities. Dr. Harsh Mishra, Founder iSEED & Dr. K. C. Jacob, President & Managing Consultant, Horton International spoke to students about opportunities in Singapore & Hong Kong.
7	TEDx Talk	March 2017	The first TEDx talk in any RTU affiliated college was conducted in JECRC on 25th March 2017 wherein 10 international speakers spoke to our students

Table9.6a: EDC Event list

Cell is responsible for:

- Relationship with companies:
  - ✓ Company like Celebal tech has visited our campus for 2017-18 batch placements and this company is owned by jecrc alumni.
  - ✓ Backbone soft wares also visited jecrc campus and owned by JECRC alumni.(2010 batch)
- Motivate students, guide and help them in the same direction.

A) EDC Activities:

Year	Name of the event	Conducted by	Date
2015-16	Entrepreneurship awareness camp	DST Govt of raj	28-3-2016 to 30-3-2016
2016-17	Entrepreneurship awareness camp	DST Govt of raj	2-9-2016
2017-18	Entrepreneurship awareness camp	JECRC	29,30-8 2017

Table B.9.6b: EDC Activities

B) Institute has success stories for every pass out year as a result of Entrepreneurship cell and incubation centre.

SNO	Name	Batch	Branch	Organization	Place
1	Nisha Jangir	2016	CSE	Youtube	Jaipur
5	Shishu Pal	2016	CSE	Entrepreneur	Jaipur
6	Soumya Ranjan Rout	2016	CSE		Jaipur
7	Ashique Hussain Ansari	2016	CSE	Nutrition Hub	Jaipur
10	Pulkit Agrawal	2016	CSE	Encode Zero	Delhi
11	Utkarsh Nagpal	2017	CSE	Heal Nectar	Jaipur
12	Vishesh Modi	2017	CSE	Business	Jaipur
13	Pulkit Agrawal	2017	CSE	Encode Zero	Delhi
14	Chirag Jain	2017	CSE	Business	Jaipur
15	Shivansh Sharma	2018	CSE	Urban Clothing Factory	Jaipur

Table B.9.6c: Success Stories

C) Students Selected for Educational Tour to Silicon Valley, USA by Rajasthan Government

जेईसीआरसी के 9 छात्र जाएंगे यूएसए

स्टार्ट अप 16 हजार आइडियाज में से 100 का चयन, 30 जुलाई को छात्र होंगे रवाना, 14 अगस्त को लौटेंगे, सरकार कैलिफोर्निया में दिलाएगी ट्रेनिंग

Figure 9.6a: Success stories

9.7 Co-curricular and extracurricular activities

(The institution may specify the co-curricular and extra-curricular activities) (Quantify activities such as NCC, NSS etc.)

A) Co-curricular Activities:

Year	Name of event	Conducted by	Date	Participants
2015-16	PHP &MySQL Training Program	Mr. Amit Kumar Faculty, Sigmatech Infotech , Jaipur	13-07-2015 to 25-07-2015	B.Tech 3 year
2016-17	ICT BASED Short term course on "Open Source Technologies" at NITTTR, Chandigarh	Dr. Gaurav Kumar, Managing Director, Magma Research and Consultancy, Pvt. Ltd., Ambala	29.08.2016 & 30.08.2016	B.Tech 4 year
2017-18	Machine Learning	Mr. Vimal Daga	8th March 2018	B.Tech 4 year

Table B.9.7a: Co-curricular Activities

B) Interactive sessions with industry experts are organized to increase understanding between students and industry requirements.

Year	Session name	Date of session
2015-16	Seminar on networking	7-10-2015
2016-17	International Workshop on Open Source Software, Drupal	10-9-2016
2017-18	Start-up Oasis, Jaipur	29,31-8-2017

Table B.9.7b: Session Name

C) Industrial visits are conducted for students so they can practically observe the environment and activities in Industries.

Year	Name of place	Object of event	Date of event
2015-16	Food tech	Industry visit	19-9-2015
2016-17	E-eInfochip	Industry visit	19,20-2-2017
2017-18	Ted x	Industry visit	31-8-2017

Table B.9.7c: Nameof Place

D) Each team who participated in 2017 and 2018 SIH held at JECRC was guided by assigned faculty member so they can perform better.

Year	No. of students participated	No. of teams
2016-17	12	2
2017-18	30	5

Table B.9.7d:No. of students participated

E) Extra-Curricular Activities

Session 2017-2018

S. no.	Name of event	date	Details
1	Deputy high commissioner of U.K. visited JECRC.	July 2017	Visit of Deputy High Commissioner was held in JECRC.
2	JECRC Alumni were awarded on first year induction day.	Aug 2017	An induction day for 2021 batch was celebrated and alumni were awarded on this day.
3	An engineer's day celebration, Top rankers in RTU and achievers in sports were decorated.	Sep 2017	An engineer's day celebrated in JECRC, top rankers and achievers were awarded.
4	"SwacchataPakhwada" celebrated, Cleanliness raised.	1 to 15 Sep 2017	15 days celebration took place as "SwacchataPakhwada"in JECRC, students were participated in this activity, checked for clean campus.
5	Seminar on "Rally for Rivers".	Sep 2017	A seminar on "Rally for Rivers" was held in JECRC. Students were participated.
6	An interactive session by kiranseth on SPIC MACAY.	Sep 2017	A session by Mr. Kiran seth on SPIC MACAY, students were part of this.
7	OMEN by HP and mountain dew ESL India college gaming championship.	Oct 2017	A college championship of gaming competition was held.
8	Blood donation drive	Oct 2017	Blood donation camp was organized for students. They donated blood.
9	Vandeymatram-voice of unity	Nov 2017	Thousands of student participated across state. JECRC students were also part of this.
10	An invited talk with prof.peterkent and prof. david wing CEO UKEI.	Nov 2017	Session was organized in JECRC for students.

11	National girl child day celebration	Jan 2018	National girl child day was celebrated in JECRC.
12	69 th republic day celebration	Jan 2018	Republic day was celebrated
13	OCIP(orphanage children interactive program) by Abhyuday group- SOCH	Feb 2018	An event organized by abhyuday group-SOCH, which were for orphanage children.
14	An invited Talk on" Society and control system" by vice chancellor RTU Kota.	Feb 2018	Chancellor RTU kota presented talk on Society and control system.
15	National level cultural fest RENAISSANCE.	March 2018	National level cultural fest RENAISSANCE
16	Social group activity by Abhyuday group-Zarurat	March 2018	Abhyuday group-Zarurat organized an event for children , some competitions were held in JECRC
17	Sports activity during RENAISSANCE.	March 2018	Many sports activities and competitions were organized for students during annual fest RENAISSANCE.
18	Seminar on entertainment industry by alumnus.	March 2018	Seminar was held by JECRC alumnus on entertainment in JECRC.
19	An Exhibition by ISRO	April 2018	ISRO conducted exhibition in JU, students of JECRC were participated

Table B.9.7e: Extra-Curricular Activities

Figure 9.7a: Mr. Abhishek Bachchan and the Jaipur Pink Panther's team were in JECRC 2015-2016

Figure 9.7b: An exhibition by ISRO

Figure 9.7c: Josh Meet 2015-16

Figure 9.7d: 8th Edition of AU Jaipur Marathon 2016-17

Figure 9.7e: Regional auditions for antaragini , fest of IIT Kanpur.

Figure 9.7f:BDC 2016-17

Figure 9.7g: VandeMatram

टेक्निकल कॉलेजों में फ्री मिलेगा वाई-फाई

#NowJECRCian

Figure 9.7h: Rajiv Gupta RTU Vice Chancellor

समाचार जगत

जेईसीआरसी में स्वच्छता को लेकर अनूठा प्रयास

अब क्यूआर कोड से आएगी सफाई में तेजी

जयपुर (कासं)। सीतापुरा स्थित जे ई सी आ र सी कॉलेज में मंगलवार को माननीय प्रधानमन्त्री नरेन्द्र मोदी के स्वच्छ भारत अभियान को एक कदम और बढ़ाते हुए इंजीनियरिंग विद्यार्थियों ने सफाई व्यवस्था में तेजी लाने के उद्देश्य से 'स्वच्छ जेईसीआरसी' अभियान की शुरुआत डिजिटल रूप से की। विद्यार्थियों ने पूरे कॉलेज का नक्शा तैयार कर और उसे एक क्यूआर कोड से जोड़कर कॉलेज के एक सर्वर पर कनेक्ट कर सम्पूर्ण जेईसीआरसी कॉलेज को उससे जोड़ दिया, जिससे कहीं भी किसी भी तरह की सफाई की परेशानी और अव्यवस्था का पता चंद सेकंड्स में पता लग जाएगा, और तुरंत कार्यवाही के लिए प्रेषित कर दिया जाएगा। कार्यक्रम में जेईसीआरसी कॉलेज के सीनियर एडवाइजर पी के तिवारी, ओ पी जैन सहित कई गणमान्य नागरिक उपस्थित थे।

Page No. 3 Apr 13, 2017
Powered by: enewspr.com

Figure 9.7i: Soch 2016-17

10 जयपुर, गुरुवार, 6 अप्रैल 2017 जयपुर 80 दैनिक नवज्योति

जरूरत के साथ गरीब बच्चों को संबल

जेईसीआरसी की अनूठी पहल

लिम्का बुक ऑफ रिकॉर्ड

Figure 9.7j: Abhyuday 2016-17

Figure 9.7k: Alumni meet 2016-17

Tecno Culture फेस्ट रेनेसा- 2017 में बरसे रंग

METRO mix

फेस्ट में दिखाया रिवर्स इंजीनियरिंग का कमाल

Fri, 10 March 2017
epaper.dailymmes360.com/c/17430506

Figure 9.7l: Renaissance 2016-17

इंटरनेशनल वुमन्स डे मनाया

प्रतापनगर - छात्राओं को कॅरियर में आने वाली चुनौतियों का सामना करने के लिए आयोजित प्रेरणास्पद कार्यक्रम 'एक्सेलेंचर' शुक्रवार को जेईसीआरसी में मनाया गया।

समारोह में एक्सेलेंचर के एमडी कंवर मोहन सिंह ने छात्राओं और महिला शिक्षकों को संबोधित करते हुए कहा कि चुनौतियों से हार मानने के बजाए उनका डटकर सामना करना होगा। इनमें सेल्फी कंटिरल, जिफ कलिस्ट और डायवर्सिटी खेल पर उनके जीवन को प्रभावित करने वाले श्रेष्ठतम वाक्य लिखने जैसे मुख्य आकर्षण रहे। समारोह में प्रोफेसर स्वपना शर्मा, छात्रा शालीनी गोयल, कनिष्का कुकरेजा और अंजलि झंवर को वीमन अचीवर्स अवार्ड से सम्मानित किया गया।

पत्रिका Sat, 25 March 2017
epaper.patrika.com//c/17802669

Figure 9.7m: Accenture Women's Day 2016-17

Figure 9.7n: Induction Day 2016-17

DIVERSITY

कमजोरी को ही अपनी ताकत बनाएं : मैथ्यू

Figure 9.7o: Annie Mathew visited JECRC

स्टूडेंट्स ने बढ़-चढ़ कर किया रक्तदान

डेली न्यूज, mix रिपोर्टर, जयपुर। जेईसीआरसी फाउंडेशन में बुधवार को रक्तदान शिविर का आयोजन किया गया। जेईसीआरसी की सामाजिक सरोकार से ओत प्रोत टीम 'अवशाएं द लाइफ सेविंग्स' ने रक्त की कमी के कारण किसी भी जिंदगी न जाने देने का संकल्प लिया और जयपुर के विभिन्न अस्पतालों में आपातकालीन स्थिति के समय नियमित डोनर प्लेटलेट्स दान एवं रक्त दान के लिए सदैव तत्पर रहते हैं एवं पिछले चार वर्षों में 1000 से अधिक जीवन बचाने में सफल भी रहे हैं। विगत 10 वर्षों से जेईसीआरसी परिसर में रक्तदान शिविर का आयोजन सतत रूप से होता आ रहा है, इसके माध्यम से 11287 यूनिट रक्तदान किया जा चुका है। पिछले वर्ष एकत्र हुए रक्त को भारतीय सेनाकर्मियों को समर्पित किया गया था। इस अवसर पर जेईसीआरसी के इस प्रयास की सराहना करने और देश के लिए रक्तदान का जज्बा रखने वाले स्टूडेंट्स का हौसला बढ़ाने के लिए मेजर जनरल अरुण मथुर ने सर्वप्रथम रक्तदान किया और साथ ही नेशनल हेल्थ मिशन के डायरेक्टर नवीन जैन, एमएनआईटी के डायरेक्टर उदय कुमार सरगट्टी, एसीपी ट्रैफिक आलोक मिश्रा ने भी शिविर में आकर स्टूडेंट्स का हौसला बढ़ाया।

Thu, 12 October 2017
epaper.dailynews360.com//c/22860877

5000 छात्रों ने नियमित रक्तदान होने के लिए संकल्प पत्र भरा

Figure 9.7p: Blood donation drive 2017-18

Figure 9.7q: Sports Activities 2017-18

टेक्नो क्विज, पोस्टर मेकिंग और टैलेंट हंट में दिखाया हुनर

जयपुर | जेईसीआरसी में शुक्रवार को इंजीनियर दिवस मनाया गया। इस अवसर पर इंजीनियरिंग की सभी विधाओं में कार्यक्रमों का आयोजन किया गया। इंजीनियर दिवस पर खास तौर से सिविल इंजीनियरिंग विभाग द्वारा टेक्नो क्विज, पोस्टर मेकिंग और टैलेंट हंट की प्रतियोगिताओं का आयोजन किया गया, इंफॉर्मेशन टेक्नोलॉजी विभाग के द्वारा लेन गेमिंग और टेक्नीकल क्विज की प्रतियोगिताएं रखी गई।

Figure 9.7r:Engineer's Day 2017-2018

Figure 9.7s: Seminar on entertainment industry by alumnus

Figure 9.7t: Blood Donation Camp 2017-18

Figure 9.7u: Raily for Rivers 2017-18

cityभास्कर

आज होगा वार्षिक बाल महोत्सव

सिटी रिपोर्टर • सीतापुरा स्थित जेईसीआरसी कैंपस में मंगलवार को कॉलेज के जरूरत ग्रुप की ओर से वार्षिक बाल महोत्सव 'जरूरत-सेलिब्रेटिंग इनोसेंस' का आयोजन किया जाएगा। कार्यक्रम में विभिन्न एनजीओ से लगभग 350 बच्चों के साथ ही कॉलेज स्टूडेंट्स भाग लेंगे। जरूरत टीम अपने योगदान को 'बिगेस्ट ऑरिगेमी फर्तीवर बास्केट' के रूप में लिम्का बुक ऑफ रिकॉर्ड्स में भी सम्मिलित कराने का प्रयास कर रही है। कार्यक्रम में पर्यावरण कार्यकर्ता पद्मभूषण चंडी प्रसाद भट्ट व वाटरमैन रमन मैग्सेसे अवॉर्ड से सम्मानित राजेंद्र सिंह भी स्टूडेंट्स से रूबरू होंगे।

जरूरत के साथ गरीब बच्चों को संबल

Figure 9.7v: Social group activity by Abhyuday group-Zarurat 2017-18

सेशन के पहले दिन स्टूडेंट्स को दिलाई एंटी रैगिंग की शपथ

डेली न्यूज, mix रिपोर्टर

जयपुर। सीतापुरा स्थित जेईसी आरसी इंजीनियरिंग कॉलेज में मंगलवार को फ्रेशर्स का वेलिंगर स्टूडेंट्स ने तिलक लगा व फूल देकर स्वागत किया। सेशन के फर्स्ट डे सभी स्टूडेंट्स को क्लास, लैब, लाइब्रेरी सहित अन्य डिपार्टमेंट्स से अवगत कराया गया और साथ सभी स्टूडेंट्स को एंटी रैगिंग की शपथ दिलाई गई। इस दौरान इंस्टीट्यूट की ओर से चलाए जाने वाले सभी सामाजिक सरोकार से संबंधित कार्यक्रमों की विस्तृत जानकारी स्टूडेंट्स को दी गई। कॉलेज के डायरेक्टर अर्पित अग्रवाल ने नवआगंतुक स्टूडेंट्स को उज्ज्वल भविष्य के लिए शुभकामनाएं दी। कार्यक्रम में वाइस चेयरमैन एमएल शर्मा ने स्टूडेंट्स को समय के सदुपयोग और तकनीकी शैक्षणिक ज्ञान को बढ़ाने के साथ व्यवहारिक ज्ञान को बढ़ाने की बात कही।

Wed, 02 August 2017
epaper.dailynews360.com/c/21035435

Figure 9.7w: Induction Day 2017-18

JECRC Alumni Activities

S.No.	Name of Event	Date	Place of Event
1	Alumni VS Faculty Cricket Match	25/03/2018	JECRC
2	Seminar on Career in Entertainment Industry	12/03/2018	JECRC
3	JECRC Alumni Startup Meet	15/02/2018	JECRC
4	Distinguished Alumni Awards	13/08/2017	JECRC
5	#R17 Let's Hangout	16/03/2017	JECRC
6	#R17 Cricket Match	16/03/2017	JECRC
7	Alumni Panel Discussion Second Edition	11/03/2017	JECRC
8	Career Oriented Interaction with Alumni	11/03/2017	JECRC
9	JECRC Alumni Meet	28/05/2017	Patna, Bihar
10	Reminisce-A Flash from the past	05/03/2017	JECRC
11	Interactive Session with JECRC Alumni	26/08/2017	JECRC
12	JECRC Alumni Meet	11/12/2016	Mumbai-Pune
13	Alumni Meet and Greet Session	29/09/2016	JECRC
14	JECRC Alumni Meet	17/09/2016	New York
15	Josh Meets	29/05/2016	JECRC
15	Alumni Treasure Hunt Alumni Panel Discussion	22/03/2016	JECRC
16	Mr. and Ms. Alumni Competition-2016	07/03/2016	E Competition
17	Let's Hangout	01/03/2016	JECRC

TableB9.7f: JECRC Alumni Activities

Let's Hangout March 17

Figure 9.7x: Alumni VS Faculty Cricket Match

Figure 9.7y: JECRC Alumni Startup Meet

Figure 9.7z :R17 Cricket Match Faculty VS Alumni

CRITERION 10

GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES(120)

CRITERION 10	Governance, Institutional Support and Financial Resources	120

10. GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

10.1.1. State the Vision and Mission of the Institute

VISION AND MISSION

VISION

- To become a renowned centre of outcome based learning and work toward academic, professional, cultural and social enrichment in the lives of individuals and communities.

MISSION

- Focus on evaluation of learning outcome and motivate students to inculcate research aptitude by project based learning.
- Identity based on informed perception of Indian, regional and global needs, the areas of focus and provide platform to gain knowledge and solutions.
- Offer opportunities for interaction between academia and industry.
- Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

V. [illegible]
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Tonk Road, Jaipur - 303 905

10.1.2. Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies 2017-2018

MEMBERS OF GOVERNING BODY

S.No	Name	Post	Address
1	Sh. M.L. Sharma	Chairman	F-30, MAJOR SHAITAN SINGH COLONY, SHASTRI NAGAR,JAIPUR- 302016
2	Dr. Vinay Kumar Chandna	Member Secretary	E-806,Asha Deep Apartment Green Avenue,Jagatpura,Jaipur-302027
3	Dr. Umesh Kumar Pareek	Member	CTS bus stand, Sanganer, Jaipur-302019
4	Sh. Manish Jain	Member	MALVIYA NAGAR, 13/22,A,Jaipur-302017
5	Dr. Naveen Hemrajani	Invited from other University	
6	Nominee from the AICTE	(Ex-officio)	Regional Office,Plot No.1A, 5th Floor, Building of Directorate of Technical Education & Industrial Training, (Govt. of Punjab), Sector-36A, Chandigarh- 160036 Chandigarh
7	An industrialist /Technologist/Educationist from the Region to be nominated by the State Govt./UT.	(Ex-officio)	
8	Nominee of the State Govt./UT.	(Ex-officio)	–
9	Dr. Rajesh Singhal, Professor	Member	RTU, Akelgarh,Rawatbhata Road,Kota
10	Indovision Services Pvt. Ltd. Authorized Huawei Network Academy Partner (HIT)	Member (Invities)	3rd floor, Centrum Mall, Khasra Number 369, MG Road, Sultanpur, New Delhi
11	Wadhwani Operating Foundation	Member (Invities)	Four Main Street, Suite 120, Los Altos, CA 94022
12	Forsk Technologies Private Ltd.	Member (Invities)	# M-5, Software Building, IT Park, Industrial Area EPIP, Sitapura, Jaipur
13	CADD Centre Training Services Pvt. Ltd., Chennai	Member (Invities)	Local office – 106-107, Mahima Majesty, Ram Gali No. 6, Raja Park, Jaipur

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LIST OF GOVERNING COUNCIL MEMBERS FOR THE YEAR 2016-2017

S.No.	Name	Qualification	Designation
1.	Mr. Om Prakash Agrawal	B.Com., FCA	Chairman
2.	Mr. Mohan Lal Sharma	B.A. (Hons.)	Vice-Chairman
3.	Mr. Sohan Lal Agrawal	B.Com., L.L.B., CAIIB, Acharya (Vastu)	Secretary
4.	Mr. Ram Avatar Jain	M.Sc.	Treasurer
5.	Mr. Amit Agrawal	B.Com	Member
6.	Mr. Arpit Agrawal	B.Com.	Member
7.	Dr. Puran Chand Agrawal	Ph.D.	Member
8.	All India Council for Technical Education, Regional Office (Ex-officio)		Nominee
9.	Rajasthan Technical University (RTU), Kota		Nominee
10.	Director, Technical Education, Government of Rajasthan (Ex-Officio)		Nominee
11.	Dr. Vinay Kumar Chandna	M.Tech., Ph.D.	Member
12.	Mr. Manish Jain	M.Tech.	Nominee
13.	Ms. Jyoti Thanvi	Ph.D.	Nominee

LIST OF GOVERNING COUNCIL MEMBERS FOR THE YEAR 2015-2016

S.No.	Name	Qualification	Designation
1.	Mr. Om Prakash Agrawal	B.Com., FCA	Chairman
2.	Mr. Mohan Lal Sharma	B.A. (Hons.)	Vice-Chairman
3.	Mr. Sohan Lal Agrawal	B.Com., L.L.B., CAIIB, Acharya (Vastu)	Secretary
4.	Mr. Ram Avatar Jain	M.Sc.	Treasurer
5.	Mr. Amit Agrawal	B.Com	Member
6.	Mr. Arpit Agrawal	B.Com.	Member
7.	Dr. Puran Chand Agrawal	Ph.D.	Member
8.	All India Council for Technical Education, Regional Office (Ex-officio)		Nominee
9.	Rajasthan Technical University (RTU), Kota		Nominee
10.	Director, Technical Education, Government of Rajasthan (Ex-Officio)		Nominee
11.	Dr. Vinay Kumar Chandna	M.Tech., Ph.D.	Member
12.	Mr. Manish Jain	M.Tech.	Nominee
13.	Ms. Jyoti Thanvi	Ph.D.	Nominee

Functions and Responsibilities

Chairman: Overall Incharge of the College

Principal: responsible for faculty development and research activities; smooth functioning of the institute.

Program Coordinators / HODs: Are responsible for administration and academic activities of their program / departments.

Dean I Year: is responsible for administration and academic activities related to I year.

Dean II Shift: is responsible for administration and academic activities related to II shift.

Maintenance Incharge: is responsible for maintenance related issues in the campus.

T & P Officer: is responsible for Training and placement related activities in the Campus.

Registrar: Deals with admissions, registration and results of students and all other issues related to students and the Rajasthan Technical University.

Accounts: All issues related to student fees, budget and payment.

Establishment: Deals with all issues related to staff recruitment, increments, promotions, provident fund, gratuity and salary bills etc.

Financial Power Deligation to the Program Coordinators/HODs – impress amount of Rs. 10,000/- is sanctioned to the all Program Coordinators/HODs and on submission of accout further amount is dispursed.

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NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPMENT, JAIPUR.

10-10-2015

Delegation of powers to the various authorities

The Chairman, JECRC Foundation, and the National Society for Engineering Research and Development, has directed me to convey the delegation of powers to the various authorities working in the NSERD promoted institutions. Our Esteemed Chairman is of the view that the College Principal and the Registrar should have adequate powers so that they are in a position to comply with the requirements of the regulatory and supervising bodies, and conduct day-to-day affairs in a positive and peaceful manner, under their own authority and signatures.

With a view to ensuring smooth and unambiguous functioning of the colleges, viz., Jaipur Engineering College And Research Centre, as also JECRC UDML College of Engineering, the delegated powers / authority are detailed hereunder:

Designated Authority	Powers delegated
a) Principal	i) As Head of the Institution, he shall exercise his authority for institution building. He will act as Competent Authority for all Faculty Members and Officer staff and be responsible for overall human resource management, their appointment, utilization, retrenchment, termination, disciplinary action, etc. He will exercise signing powers as Competent Authority. ii) He will act as superintendent and guide for all items of work related to AICTE, RTU (Affiliating University), UGC, MHRD, Technical Education Department GOR, State Level Fees Determination Committee, and other regulatory or higher bodies. iii) Establish a climate in which faculty members and the students can develop self-discipline, and promote research. iv) To formulate the Budget and assess the infrastructural and other requirements well in advance and get the same approved from the Secretary, NSERD before execution. v) Impress amount of Rs. 1,00,000/- (Rs. One Lakh Only) is also delegated for routine exercise.
b) Registrar	a) He shall act Competent Authority for all office and sub-staff, and exercise signing powers as competent authority for their appointment, utilization, retrenchment, termination, disciplinary action, etc. b) He shall act as **Compliance Officer** to fulfill the regulatory guidelines etc. of AICTE, RTU (Affiliating University), UGC, MHRD, Technical Education Department GOR, State Level Fees Determination Committee, and other regulatory or higher bodies. He shall act as

1

	signing authority in all such matters. c) The Registrar shall be the custodian of records and property of the college, and be directly responsible to the Director/Principal of the College for the proper discharge of his duties and functions, and exercise such other powers and perform such other duties as may be assigned to him by the Director/Principal. d) **In the absence of Director / Principal, all powers shall vest in Registrar and he shall exercise the authority and signing powers of the Principal including Competent Authority for Faculty Members, etc.**

2. This Delegation of Powers will take place with immediate effect.

3. With a view to explaining these powers and clarifying the doubts, if any, a meeting will be held shortly, for which I am directed to request (1) Shri Amit Agrawal (2) Shri Arpit Agrawal (3) Shri M.L. Sharma, Principals and Registrars of both the colleges to attend the said meeting. Convenient date, time and venue of the meeting shall be communicated separately.

4. The concerned Principals and Registrars are requested to note the Delegation of Powers and acknowledge receipt.

By Order,

S.L. Agrawal
Executive Director
JECRC Foundation
Jaipur.

Dated : 12th June 2015.

2

Frequency of the Meetings

Jaipur Engineering College & Research Centre

From : Principal Office	To : All BOG Members

Noting Reference No. JECRC/02/2017-18 04/05/18

Call of Meeting

Venue: Board Room, Block A

Date & Time May 19, 2018 at 11:00 AM

Agenda:

1. Confirmation of minutes of the last meeting during 2015-16
2. Annual report of the College for the academic year 2016-17
3. Annual report of the College for the academic year 2017-18
4. Proposed activities for the new academic year 2018-19
5. Any other issues with the permission of the Chair

Members:

S. No	Name	Post	Address
1	Sh. M.L. Sharma	Chairman	F-30, Major Shaitan Singh Colony, Shastri Nagar,Jaipur- 302016
2	Dr. Vinay Kumar Chandna	Member Secretary	E-806, Asha Deep Apartment Green Avenue,Jagatpura,Jaipur-302027
3	Dr. Umesh Kumar Pareek	Member	CTS bus stand, Sanganer, Jaipur-302019
4	Sh. Manish Jain	Member	Malviya Nagar,13/22,A,Jaipur-302017
5	Dr. Naveen Hemrajani	Invited from other University	
6	Nominee from the AICTE	(Ex-officio)	Regional Office,Plot No.1A, 5th Floor, Building of Directorate of Technical Education & Industrial Training, (Govt. of Punjab), Sector-36A, Chandigarh
7	An industrialist/ Technologist / Educationist from the Region to be nominated by the State Govt./UT.	(Ex-officio)	
8	Nominee of the State Govt./UT.	(Ex-officio)	
9	Dr. Rajesh Singhal, Professor	Member	RTU, Akelgarh,Rawatbhata Road,Kota
10	Indovision Services Pvt. Ltd. Authorized Huawei Network Academy Partner (HIT)	Member (Invities)	3rd floor, Centrum Mall, Khasra Number 369, MG Road, Sultanpur, New Delhi
11	Wadhwani Operating Foundation	Member (Invities)	Four Main Street, Suite 120, Los Altos, CA 94022
12	Forsk Technologies Private Ltd.	Member (Invities)	# M-5, Software Building, IT Park, Industrial Area EPIP, Sitapura, Jaipur
13	CADD Centre Training Services Pvt. Ltd., Chennai	Member (Invities)	Local office – 106-107, Mahima Majesty, Ram Gali No. 6, Raja Park, Jaipur

Dr. Vinay Kumar Chandna
Principal

Jaipur Engineering College & Research Centre
Tonk Road, Jaipur 302 005

MINUTES OF MEETING

Last meeting of BOG was held on 22/06/2016 in the board room of the College. Following are the action taken on the meeting –

1. Graduate Attributes are shared with all concerned Program Coordinators, HODs, Dean I Year, Dean II Shift
2. Shortcomings related to placements were taken care of and accordingly tie-ups made with external agencies for preparation for the placements.
3. Government job cell was formed with an aim to guide for Government related jobs, preparation for GATE, other competitive examinations etc.
4. A placement team has been formed for the placement of students who are not eligible (i.e. they have cleared their degree with back) for the placement. This team is working with a nomingclature of Outreach placement cell with a moto to place such non eligible students.
5. Internal Quality Assessment measure has been taken care of viz., the course outcome analysis, gap analysis, content beyond syllabus, lab maintenance, publication, co-curricular activities, moderation of internal papers etc.
6. Initiation is taken to establish relation with the industry, in view of the same students are undergoing for training in different areas. MoUs are signed with the industries.
7. Activities related to social initiatives were taken care of.
8. The related documents submitted to RTU
9. As per RTU the QIV points were made available for the year 2016-17 were 616/1000.
    a. The corrective measures were taken on the same and for the year 2017-18 and the documents were again sent to RTU Kota for inspection.
    b. On the basis of documents the points will be awarede by RTU and significant improvement has been reported.
    c. Further, the departments are working on outcome based education and the letter related to content beyond syllabus is sent to the University.

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4

Minutes of the meetings

Jaipur Engineering College & Research Centre

From : Principal Office	To : All BOG Members

Noting Reference No. JECRC/02/2017-18/238 25/04/18

Annual Board of Governance Meeting Notice

Academic year 2017-18 is almost over and the new academic year 2018-19 is commencing from July 02, 2018. There is a meeting on May 30, 2018 at 11:00 AM in the Board room of College campus to discuss the following agenda items –

1. Confirmation of minutes of the last meeting
2. Annual report of the College for the academic year 2017-18
3. Proposed activities for the new academic year 2018-19
4. Any other issues with the permission of the Chair

All are requested to be present in the meeting.

V. Pal
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Jaipur Engineering College & Research Center
Tonk Road, Jaipur - 303 905

Copy to –
1. Shri M.L. Sharma, Chairman
2. Dr. Vinay Kumar Chandna, Member Secretary
3. Dr. Umesh Kumar Pareek, Member
4. Shri Manish Jain, Member
5. Dr. Naveen Hemrajani, Member
6. The Hon'ble Vice Chancellor, RTU Kota
7. The Member Secretary, AICTE, New Delhi
8. Indovision Services Pvt. Ltd. Authorized Huawei Network Academy Partner (HIT)
9. Wadhwani Operating Foundation
10. Forsk Technology Private Ltd.
11. CADD Centre Training Services Pvt. Ltd. Chennai

Jaipur Engineering College & Research Centre

From : Principal Office	To : All Program Coordinators/HODs

Noting Reference No. JECRC/02/2017-18/269 29/05/18

Minutes of the Meeting

Venue : Board Room – Block A

Date & Time Wednesday; May 30, 2018 at 11:00 AM

Agenda

1. Confirmation of minutes of the last meeting during 2015-16
2. Annual report of the College for the academic year 2016-17
3. Annual report of the College for the academic year 2017-18
4. Proposed activities for the new academic year 2018-19
5. Any other issues with the permission of the Chair

Special invited Guest:

1. Shri Amit Agrawal, Special invited Guest

Members Present:

1. Shri M.L. Sharma, Chairman
2. Prof. (Dr.) V.K. Chandna, Member Secretary
3. Shri Manish Jain, Member
4. Dr. Umesh Kumar Pareek, Member
5. Dr. Naveen Hemrajani, Invited from other University
6. Dr. Sylvester Fernandes, Member (Invitees)
7. Shri Rajeev Bhargava, Member (Invitees)

Members absent:

1. Dr. Rajesh Singhal, Member (RTU Kota)
2. Nominee from the AICTE
3. Nominee of the state Govt./UT.
4. An Industrialist nominated by the State Govt.
5. Shri Deepak Motwani, Member (Invitees)
6. Shri Atul Kumar, Member (Invitees)

V. 29/5/18

Contd..2/-

Meeting started at 11:00 AM; following items were discussed –

1. With the permission of the Chair, Dr. Vinay Kumar Chandna, Member Secretary welcomes all the dignitaries.
2. He read the last minutes of the meeting and further it was approved by the members unanimously.
3. He presents the annual report of the year 2016-17 and 2017-18, following items were discussed –
   a. Vision and Mission of the institute
   b. 12 points Program outcome
   c. Decentralization of power – institute's organization chart was discussed. He informed that an amount of Rs. 10,000/- is sanctioned to all the Program Coordinators/HODs, Dean II Shift, Dean I year, all section incharges to meet out the immediate requirement of the fund. He also clears that on the submission of account further amount is disbursed.
   d. Students' result analysis
   e. For the placement data; it was made clear that placement percentage is based on unique offers. The data of higher education, engaged with family business, startups etc. will be included later.
   f. Nine MoUs at National level and two MoUs at International level were signed to enhance the students' technical knowledge as per the market requirements. Shri Rajeev Bhargava suggested that we should adopt a process in which these certified courses should be validated by the MSME / University. These certificate courses may be examined by the university if possible it can be from JECRC University. Member secretary has noted the same for further action.
   g. Content beyond syllabus was discussed. Shri Manish Jain informed the members about the duration of the course. Member secretary informed that these courses are running after the college hours. Students are taking interest in these courses.
   h. Research Grants from the Govt. agencies and also proposed FDP/workshop/Seminar during the 2018-19 was discussed in brief. Member secretary informed that proposal of approx. 70 lacs were submitted to the Govt. agencies for conducting the different activities.
   i. Budget and expenditure discussed in brief. Member secretary made clear that "other then R&D" means academic activities, it is not included research related activities. Shri Amit ji appreciated the R&D activities he pointed out that in the year 2015-16 budget was Rs. 2,50,000/- and in the year 2018-19 (proposed) it rose to Rs. 20,00,000/- it shows that students are taking interest in R&D activities.
   j. QIV rating 2016-17 and 2017-18 was discussed. In the year 2016-17 the score was 616/1000 and after efforts this year it rose to 740/1000. Shri Amit Agrawal asked what is the highest marks so far, member secretary replied it will be checked out.

V. Pl 29/11/18

k. Member secretary told that faculty members will be motivated for paper publication at international level repute journals.
l. Proposed activities for the coming year were discussed in brief.

4. Inputs by the industry –
   a. Dr. Silvester suggested that more budget for the students' R&D activities should be incorporated in more elaborate manner i.e. budget should be clearly mentioned R&D, transportation, other expenditure etc.
   b. Centre of excellence should be opened 24x7.
   c. Result oriented training program should be incorporated.
   d. Shri Rajeev Bhargava suggested development of digital content
   e. These types of meetings should be twice in a year.
   f. In next meeting more representatives from the industry should be incorporated.

5. The meeting ended with a vote of thanks to the Chair.

V. 22/5/18
Member Secretary

JECRC
JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

Ref: JECRC/2017-18/589 Date: 18/5/18

To

The Hon'ble Vice Chancellor,
Rajasthan Technical University,
Rawatbhata Road,
Kota.

Subject: **Annual Board of Governors Meeting at JECRC Jaipur**

Dear Sir,

Annual Board of Governors meeting of Jaipur Engineering College & Research Cenre, Tonk Road, Jaipur is schedule on Wednesday the 30th May 2018 at 11:00 AM in the board Room Block-A, college campus.

You are requested kindly depute University representative for the Annual Board meeting.

Thank you & with regards,

V. P. Chandna

Dr. Vinay Kumar Chandna
PRINCIPAL

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Jaipur Engineering College &
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Tonk Road, Jaipur - 303 905

JECRC Foundation
www.jecrcfoundation.com

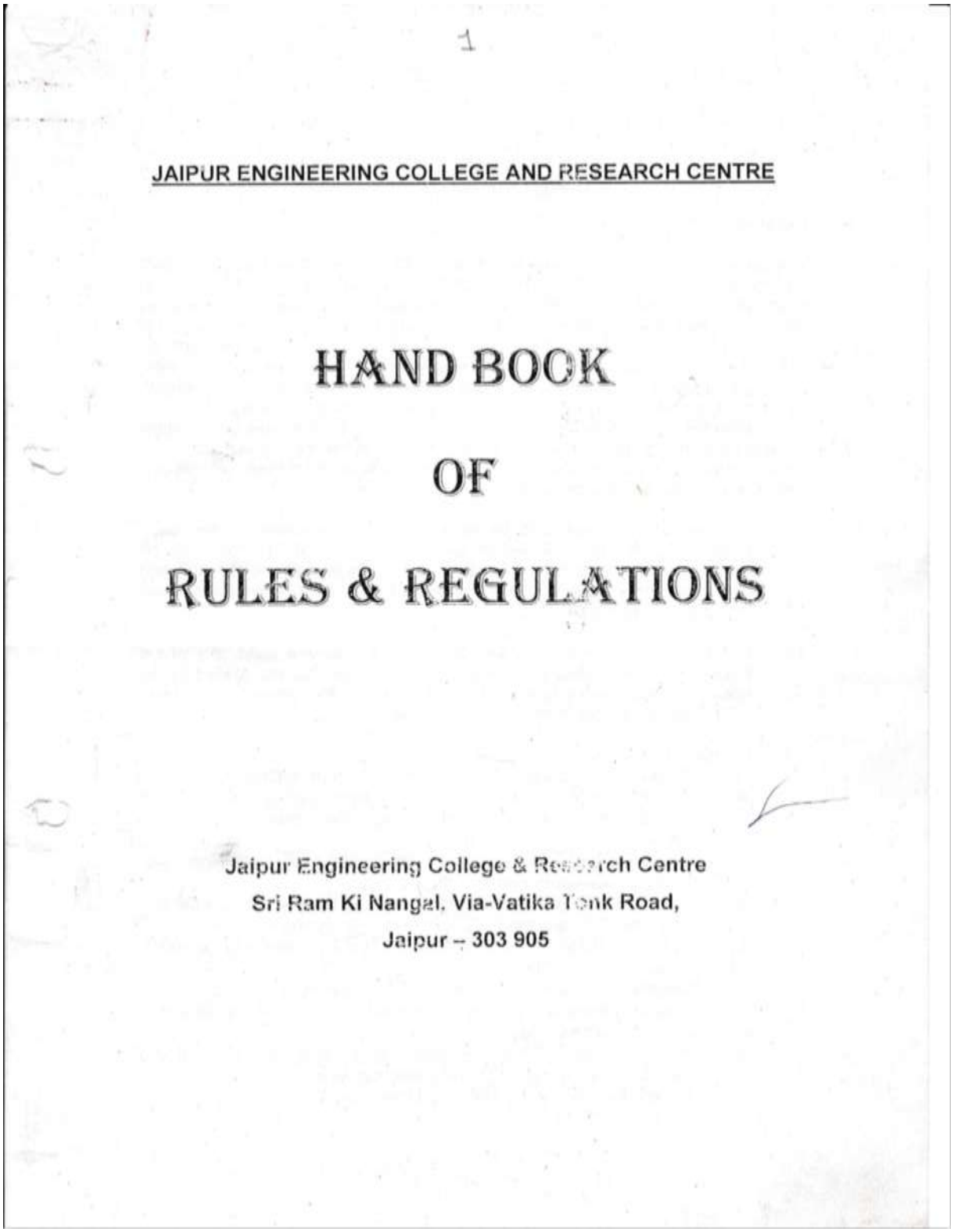
Jaipur Engineering College and Research Centre
Approved by AICTE & Affiliated to RTU
JECRC Campus, Shri Ram Ki Nangal,
Via Sitapura RIICO, Opp. EPIP Gate, Tonk Road, Jaipur 302 022
t: 0141 2770120, 2770232 f: 0141 2770803 e: info@jecrcmail.com

Attendance therein

ATTENDANCE OF GOVERNING BODY MEETING

S.No	Name	Post	Signature
1	Sh. M.L. Sharma	Chairman	
2	Dr. Vinay Kumar Chandna	Member Secretary	V. Chandna 30/6/18
3	Dr. Umesh Kumar Pareek	Member	30.6.18
4	Sh. Manish Jain	Member	30/6/18
5	Dr. Naveen Hemrajani	Invited from other University	
6	Nominee from the AICTE	(Ex-officio)	
7	An industrialist /Technologist/Educationist from the Region to be nominated by the State Govt./UT.	(Ex-officio)	
8	Nominee of the State Govt./UT.	(Ex-officio)	
9	Dr. Rajesh Singhal, Professor, RTU Kota	Member	
10	Indovision Services Pvt. Ltd. Authorized Huawei Network Academy Partner (HIT)	Member (Invities)	
11	Wadhwani Operating Foundation	Member (Invities)	
12	Forsk Technologies Private Ltd.	Member (Invities)	DR. SYLVESTER FERNANDES
13	CADD Centre Training Services Pvt. Ltd., Chennai	Member (Invities)	RATEEK BHARGAVA

The published rules including service rules, policies and procedures



JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

HAND BOOK

OF

RULES & REGULATIONS

Jaipur Engineering College & Research Centre
Sri Ram Ki Nangal, Via-Vatika Tonk Road,
Jaipur – 303 905

12/02/2018

PROPOSAL FOR INCREMENT / RETENTION BENEFIT

1. It is proposed to provide 3% increment on Basic and AGP.
2. It is proposed to provide 2% DA on Basic and AGP each year. Additional DA may be announced if necessary.
3. The above proposed increment will have an impact of approximately 4% as compared to previous impact of 4.5%.
4. It is proposed to provide additional 3% increment (Basic + AGP) after completion of three years of service at JECRC under following conditions
   a. Faculty member of Applied Science must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
   b. Associate Professor must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
   c. Assistant professor must have M.E. / M.Tech qualification. They are given one year time for the registration and three year time for the completion of M.E. / M.Tech there after their benefit may be considered from the date of completion certificate.
      AND
   d. At least 50% students must have more than 60% marks in the theory subject's the faculty member is delivering.
      AND
   e. Publish at least one paper in reputed conference / journal during previous year.
      AND
   f. If someone leaves the service within one year after availing the benefit, he/she has to deposit the whole amount of benefit before leaving.
5. It is proposed to provide two increments (6%) additional increment (Basic + AGP) after completion of five, ten and fifteen years of service at JECRC (taking 1/7/17 as base month and year to all the faculty members) under following conditions
   a. Faculty member of Applied Science must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
   b. Associate Professor must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
   c. Assistant professor must have M.E. / M.Tech qualification. They are given one year time for the registration and three year time for the completion of M.E. / M.Tech there after their benefit may be considered from the date of completion certificate.
      AND
   d. At least 50% students must have more than 60% marks in the theory subject's the faculty member is delivering.
      AND
   e. Publish at least one paper in reputed conference / journal.

(2)

6. There will be additional benefit such as Mobile Number may be provided to all the HOD's, TPO's and Mentors of each semester students.
7. Faculty members who will complete Five years of service after 1/7/17 and before 31/12/ 17 may be provided retention benefit of 3% in addition to conventional increment only.
8. Assistant professors, Associate professors and Professors are provided with 5, 7, 10 days of duty leave respectively for taking examination, attending conference and any other academic assignment as assigned.
9. The faculty members who do not qualify criteria 5 for consecutive three years, retention benefits may be withdrawn.
10. Faculty member who publish a paper in a reputed conference / journal listed in UGC approved list only will be provided 50% of the registration charges subject to a maximum of Rs. 5000/- (Five Thousand) only.
11. In case of promotion the next increment date will be the date of promotion. However, in case of any ambiguity the committee will decide the next increment date.
12. These will not be applied to non teaching staff including class IV servants.

V. Chandna

Dr. V. K. Chandna

OFFICE OF THE CENTRAL MONITORING COMMITTEE

JECRC Campus, Shri Ram Ki Nangal, Via-Sitapura, Near Sanganer Sadar Thana, Tonk Road, Jaipur-302022

Promotion Policy

Under the fitment of proposal and increment retention benefit the faculty members are kept in the pay scale AGP of 6000, 7000, 8000 for Assistant Professors, 9000 AGP for Associate Professors. 10,000 AGP for Professors.

The change of AGP for one level to another AGP 6000 AGP 7000 after five years, from AGP7000, AGP 8000 after four years and from AGP 8000 to AGP 9000 after three years as per AICTE. Along with the faculty members who wish to promote to AGP 9000 must have minimum qualifications of Ph.D and must appear in front of Selection Committee for the same.

The above benefits will be applicable if the faculty member have at least 50% points out of 200 self appraisal points.

Jaipur Engineering College and Research Centre, Jaipur

FACULTY APPRAISAL FORM (Session 2018-2019)

For best faculty award

Total 200 points

Name of Faculty Member: Department:

Designation:

S. No.	Item Name	Maximum Points	Points obtained
1	Academic result 30 points average (90% students having more than 70% : 30 points, 80-89% students having more than 70% result: 27 points, 70-79% students having more than 70% result: 24 points, 60-69% students having more than 70% result: 21, 60-69% students having more than 60% result: 18 points, 50-59% students having more than 60% result: 15 points else ZERO) Example: Theory Subject / Points obtained: Sub-1: 30; Sub-2: 27; Sub-3: 0; Sub-4: 18; Average points scored: 75/4 i.e. 18.75 **No marks for Labs subjects**	30	
2	Research Publication 20 points average (1 sci indexed publication: 10 points, 1 publication having ISSN number : 5 points, Else ZERO)	20	
3	Faculty development programme 10 point average (one faculty development programme minimum 5 days attended 5 points, 2 points for attending 2 days workshop, subject to maximum of 10)	10	
4	International / National conference 10 points average (5 points for attending International, 3 points for attending National of repute, 2 points for National conference)	10	
5	Research grant average 20 points for having grant of more than 5 lakh, if only project submitted to DST/other govt agency: 10 points, subject to maximum 20	20	
6	Patent 10 points / Product development / startup	10	
7	New Skills / additional specialization / certification course	25	
8	Innovation in teaching learning, video lecture, online MOOCs, Online notes uploading, any other 20 points	20	
9	Technical activity organized	5	
10	Participation in social responsibility 5 points / activity subject to maximum of 10	10	
11	Institute level activity organized 5 points, participation 2 points subject to maximum of 5	5	
12	Any award received, session chair in conference, guest lecture, invited talk, etc.	5	
13	HOD recommendation maximum 30 points (Departmental responsibility 2 points, NBA related activity 5)	30	
	Total	200	

Note: HOD will verify the documentary proof.

Signature of Faculty Signature of HOD

CHAPTER – 1

INTRODUCTION

PREAMBLE:

The courses under Jaipur Engineering College & Research Centre, Jaipur (JECRC) are recognized by the AICTE. The JECRC, Jaipur is affiliated to University of Rajasthan, Jaipur. Being the affiliated institutions, the conditions of services of these institutions are normally governed by the rules framed in this respect by the AICTE/ Rajasthan University / State Government. Additionally, for academic staff the College will also be guided by the relevant rules of the AICTE. Taking this in view, the Jaipur Engineering College & Research Centre, Jaipur has framed a document, which gives the a brief idea of the conditions of service and the benefits attached to the employment etc. Further, the information given in this booklet may be subject to revision from time to time. In addition to the conditions of service, the institutes have made certain procedural guidelines to make the administration more smooth and transparent. These are also included here in this document.

1.1 The service conditions shall be applicable to all employees of the Jaipur Engineering College & Research Centre, Jaipur (JECRC). They may be supplemented or amended from time to time based on AICTE/ Affiliating University/ State Government rules. However, the management shall have the right to relax any of the rules.

1.2 For any other matters or details relevant to the service conditions of the employees, not specifically covered here, the College shall be guided by the rules, norms and procedures as prescribed by the Rajasthan Government / AICTE/ Rajasthan University from time to time.

1.3 Definitions:

(a) "Chairman" means the Chairman of the Executive Council
(b) "College," means the Jaipur Engineering College & Research Centre, Jaipur / any other college under the domain of Governing Council
(c) "Executive Council," means the Executive Body of the college
(d) "Funds," means the Funds of the College
(e) "Governing Council," means the Governing Body of the college
(f) "President," means the President of the Governing Council
(g) "Principal," means the Principal of the Jaipur Engineering College & Research Centre, Jaipur
(h) "Secretary," means the Secretary of the Governing Council
(i) "Society," means the National Society for Engineering Research and Development, Jaipur
(j) "Financial Year," means the year commencing from 1st April and closing on 31st March of the next calendar year.
(k) "University," means the affiliating University

(l) Academic Year means period of academic activity from 1st July to 30th June of the next year.
(m) "Faculty" means a teaching staff of the College
(n) "Employee" means anybody who has been employed by the College either as 'faculty' or on any post covered under 'other staff'
(o) "University" means Affiliating University
(p) "Regular Employee" means the faculty or other staff appointed in the prescribed scales of the post either on probation or confirmed one.
(q) Ad-hoc employee means appointed on ad-hoc basis for specific period either in the scale or with consolidated salary with specific conditions as shown in the appointment order.

NOTE: For teaching positions, the eligibility will be as per AICTE & the affiliating University norms.

3.

CHAPTER – 2

APPOINTMENTS AND ITS TERMS AND CONDITIONS

FACULTY STAFF:

2.1 There are various categories of employees at the College. Their salary scales are given separately in this document. Normally, regular appointments particularly as faculty will be made by direct selection by inviting applications through public advertisement. The required qualifications for faculty staff are generally as prescribed by the AICTE.

2.2 The regular employees of the institute will be eligible to the Dearness Allowance and other allowances as sanctioned by the BOG of the College from time to time.

2.3 The paramount consideration in the appointment or promotion of an employee shall be guided by the desired standards of efficiency, competence and integrity.

2.4 Selection and compensation of employees shall be made without distinction as to race, sex, or religion and the same shall be made on competitive basis.

Terms and conditions of appointment

The appointments shall be made subject to the following terms:

2.5 (a) The terms of appointment provide for termination by a notice on either side of one month. If anyone desires to be relieved prior to the completion of the notice period, he/she will be required to pay to the College an amount equal to his / her salary and allowances for the deficient notice period. However, the management will have the right to waive the notice period.

(b) Unless waived in part or in full by the appointing authority, there will be a probationary period for three months. At the end of the probationary period, it may be extended by the appointing authority for a period upto one year. The services of an employee on probation can be terminated without notice and without assigning any reason.

(c) The age of superannuation will be 70 years for the faculty and 62 years for other staff unless extended by the competent authority.

Other service conditions will be generally agree with the norms and executive instructions of the AICTE / Affiliating University / Rajasthan Government and as amended by the College from time to time.

2.6 An employee shall not without the previous written permission of the Managing Trustee in the case of Director / Principal and in case of teaching and other staff of the Director / Principal respectively be engaged directly or

indirectly in any trade, business or occupation or any other remunerative or non-remunerative work.

2.7 Besides appointments in regular scale, the appointments of the faculty and staff may be made on fixed terms on ad-hoc or contract basis. These appointments will carry a consolidated salary or salary in the scale. Fixed term appointees are eligible for vacation and it is admissible to one who has completed minimum service of one semester. In case a fixed term appointment gets converted into a regular appointment for various terminal purposes, the continuity of service will be reckoned from the date of the commencement of the term of appointment.

2.8 Pay Scales:

(i) Normally, the pay scales of the faculty will be as per the recommendations of AICTE and as approved by the state Government.

(a) The existing structure of the scales are as under –

S. No.	Category	Pay scales
1	Lecturer	8000 – 275 – 13500
2	Senior Lecturer	10000 – 325 – 15200
3	Assistant Professor	12000 – 420 – 18300
4	Professor	16400 – 450 – 20900 – 500 – 22400

2.9 Annual increment will fall due on completion of one year of continuous service.

2.10 Incentives for Higher Qualifications - At the time of recruitment as Lecturers, advance increments may be admissible to those who hold higher degrees as under:

(a) Two increments will be admissible to those Science / Humanities teachers with M. Phil and to those technical faculty with M.E. / M.Tech.
(b) A staff will be eligible for two increments as and when he /she acquires a Ph.D. Degree in his / her service career.

2.11 Career Advancement for faculty

The promotions under Career Advancement Scheme will be as per the guidelines given below. All the promotions in career advancement will be "in-situ" basis and therefore the work allocation (teaching load, etc) may remain the same after promotion and additional responsibilities may also be assigned.

(C) Professor:

In addition to the sanctioned position of Professors, which must be filled in through direct recruitment through all India advertisements, promotions may be made from the post of Assistant Professor after 10 years of service as Assistant Professor. The selection committee for promotion to the post of Professor will be the same as that for direct recruitment.

Some of the desirable activities of candidates for the post of Professors will be as follows -

(a) Research contribution: books, articles, research papers etc. published (at least four papers in journals required) The best three written contributions of the papers (as defined by her/him) may be sent in advance to the experts to review before coming for the selection. The candidate should be asked to submit these in 3 sets with the applications.
(b) Seminars/ conferences attended: must have attended at least 4 seminars/conferences at national or international level or must have attended summer / winter schools (short-term course) of total duration of 4 weeks.
(c) Significant contribution to teaching / academic environment / project supervision / sponsored projects / institutional corporate life etc.
(d) Adequate extension and field outreach activities
(e) Development of course material / monographs
(f) Participation in continuing education programmes
(g) Other academic and administrative contributions

2.12 Career Advancement for Faculty

(a) Provides for movement of:
(i) Lecturer to Senior Lecturer (Senior Scale)
(ii) Senior Lecturer to Assistant Professor

(b) Calls for promotion under Career Advancement Scheme: The candidate must have consistently satisfactory performance

Non Faculty

2.13 Pay Scales – qualifications of other staff:

(i) The other staff there will be of two categories viz. (a) technical staff (b) administrative / ministerial staff.
(ii) The pay scales and qualifications for different technical posts will be on par with AICTE/State Government/ University Rules.
(iii) Similarly for administrative staff, the same will be on par with university / government rules.

Minimum length of service for eligibility to move into the grade of Senior Lecturer would be four years for those with Ph.D., five years for those with M.Phil, M.Tech and six years for others at the level of lecturer. For eligibility to move into the Grade of Assistant Professor, the minimum length of service as Senior Lecturer shall be five years.

For movement into grades of Assistant Professor and above, the minimum eligibility criterion would be Ph.D. Those without Ph.D. can go upto the level of Senior Lecturer.

An Assistant Professor with a minimum of ten years of service in that grade will be eligible to be considered for appointment as a Professor. The selection committees for Career Advancement shall be same as those for direct recruitment for each category.

The requirement of consistently satisfactory performance appraisal reports shall be the mandatory requirement for Career Advancement from Lecturer to Senior Lecturer and from Senior Lecturer to Assistant Professor.

(A) Senior Lecturer:

A lecturer will be eligible for placement in a senior scale through a procedure of selection, if she / he has:

(i) Completed 5 years of continues service at the College. However, relaxation of one year and two years respectively, will be given to those with M.Phil, M.E. / M.Tech. and Ph.D.
(ii) Organization of short term course/conference or research publications will be considered an additional qualification.
(iii) Consistently shown satisfactory performance.

(B) Assistant Professor:

A senior lecturer will be eligible for promotion to the post of Asstt. Professor if she/he has:
(i) Completed 5 years of service in the senior scale
(ii) Obtained a Ph.D. degree or has equivalent published work.
(iii) Made some mark in the areas of research, quality of publications, contribution to education innovation, design of new courses and curricula and extension activities.
(iv) Organization of short term course/conference or research publications will be considered an additional qualification.
(v) Shows consistently good performance.

Promotion to the post of Assistant Professor will be through a process of selection by a selection committee.

Selection Procedure

All the vacancies of faculty staff and other staff will be advertised in prominent newspapers. The selection will be done on competitive merit which shall be judged by a duly constituted selection committee.

NOTE:

The staff members of the College deputed for any training program / conferences/seminar/workshop etc. has to serve the institute at least for one year after completion of training. In case he /she resigns from the post before completion of the one year, the recovery of the salary & other expenses paid to him / her for training /deputation period would be made.

CHAPTER – 3

HOLIDAYS, LEAVE AND VACATIONS

3.1 Holidays:

The College will observe public holidays in a calendar year as fixed by the competent authority. This will be announced at the end of the previous year.

3.2 Vacations:

3.2.1 Faculty Staff are entitled to 45 days vacation in a year provided they have joined the College on or before the 1st of July. The entitlement will be worked on pro-rata basis for faculty staff joining by end of October. A faculty staff joining after October will not be entitled to any vacation during the current academic year.

3.2.2. Total vacation may be broken up in parts like (1) a week around Dipawali, (2) a week in winter and (3) the remaining in Summer.

3.2.3. For non teaching staff, the vacation entitlement in a full year is 30 days. This also may be broken up in three parts like (1) a week around Dipawali, (2) a week in winter and (3) the remaining in Summer.

3.3. Leave:

3.3.1 No holidays or leave shall be claimed as a matter of right by an employee except such holidays or leave as are enforceable by law.
3.3.2 Sundays will be normally treated as holidays.
3.3.3 List of possible holidays will be announced in the beginning of the calendar year. However, at times a holiday / Sunday may be declared as a working day on need basis.

3.4. Casual Leave:

3.4.1 A faculty staff shall normally be entitled to 15 days casual leave in a year on accrual basis. The accounting period is from 1st of July to 30th of June next year.
3.4.2 A non faculty staff shall normally be entitled to 12 days casual leave in a year on accrual basis. The accounting period is from 1st of July to 30th of June next year.
3.4.3 An employee can normally avail of 1 day's casual leave in a month during the probation period provided that he has at least 20 days of uninterrupted duty record at the college.
3.4.4 Sundays and holidays can be prefixed or suffixed with casual leave after a written request has been made to this effect.

3.4.5 Casual leave shall be permitted on recommendation of the in-charge (HOD) keeping in view the interests of the College / Department/ Section as the case maybe.

3.5 Medical Leave

3.5.1 Employees unable to carry out their regular duties due to continuous ill health (for more than 3 months) will not be permitted to continue in service.

3.5.2 Maternity leave shall be admissible to a female employee of this college for a maximum period of 60 days with the following provisions –

3.5.2.1 She is a regular employee and has served the College continuously for not less than three years.

3.5.2.2 The employee will be eligible for full pay during the leave period.

3.5.2.3 The employee shall be given 50% of the total emoluments every month during the period of her absence subject to production of maternity certificate and the balance 50% shall be provided to her in six equal monthly installments after resuming duties.

3.5.2.4 The employee under special circumstances arising out of medical complications may be permitted leave without pay for the required period.

3.6 Leave other than specified leave

3.6.1 Any employee absenting from duty without proper permission for 6 days will lose the benefit of salary on the following or intervening Sunday and any Holiday in continuity. He/She shall be liable to be dismissed from service if his/her absence from duty persists for 15 days in this manner.

3.6.2 Any employee who has been dismissed from service earlier but has been given employment again shall be treated as a new employee and the benefits of the earlier period of service shall automatically lapse.

3.7 Academic leave / duty leave

3.7.1 An employee going for attending the work entrusted by the College or for participating in a Conference etc shall be treated as on duty, provided the participation in the Conference has been approved by the College and they produce a certificate of participation on return. Some faculty staff may also be provided TA

& DA and the registration if any may also be reimburse depending upon the length of the service of the employee.

3.7.2 An employee going out of station on duty in connection with College work shall be suitably compensated for his outstation travel and stay.

CHAPTER – 4

PROVIDENT FUND, GRATUITY

4.1 Provident Fund

Every employee of the College shall be entitled for the benefit of Contributory Provident Fund. Some of the important salient features of the scheme are identical to EPF rules.

4.2 Employees State Insurance Scheme

Employee of the College shall be entitled for the benefit of Employees State Insurance Scheme (ESI) as per the Central Government rules.

4.3 Gratuity

The employers of the College will also be eligible for gratuity as per provision of act.

The main components of this benefit are as under:
(1) Gratuity shall be payable to an employee on the termination of his/her employment after he/she has rendered continuous service for not less than five years.
(a) on his/her superannuation or
(b) on his/her retirement or
(c) on his/her death or disablement due to accident or illness

- Provided that the completion of continuous service of five years shall not be necessary where termination of the employment of any employee is due to death or disablement.
- Provided further that in the case of death of the employee, gratuity payable to him/her shall be paid to his/her nominee, if no nomination has been made, to his/her heirs, and where any such nominees or heirs is a minor, the share of such minor shall be deposited with the controlling authority who shall invest the same for the benefit of such minor in such bank or other financial institution, as may be prescribed, until such minor attains majority.

CHAPTER – 5

TESTING AND CONSULTANCY RULES

The College staff shall be encouraged to take a consultancy and testing jobs from industry and others R&D agencies on payment basis. They will be permitted to use the infrastructure of the College. The consultancy / testing fee will be apportioned between the consultants and others who make a contribute to it and also to the College.

1) Remuneration to Regular Faculty & Staff:

(a) Testing:

The distribution of total income between the College and the employees will 30:70. The 70% staff distribution is as under as per the institution Rules:

1	The faculty staff	65%
2	Lab. Technician	
3	Lab. Attendant	
4	Office Staff / Administration staff involved & Dept. Clerk	5%

(b) Consultancy:

The distribution of total income between the College and the employees will 30:70 but after deducting all expenses.

30% will be retained by the College	After deducting all expenses
70% distributed amongst the concerned staff	

CHAPTER – 6

INCENTIVE RULES

Incentive rules have been classified into two categories. These are (i) Performance based and (ii) Time based

6.1 Based on Performance Appraisal

Period of Stay	Performance Appraisal Rating	Proposed Incentive
After Probation	Excellent	+ one increment/DA increase/BOTH
After 2 yrs	Very Good/ Excellent	+ one increment/DA increase/BOTH Conf Participation on duty leave + Registration Fee + Basic Travel (city to city)
After 3 yrs	Very Good/ Excellent	+ HRA / DA Increase / BOTH + Conf Participation on duty leave + Registration Fee + Basic Travel (city to city) + B&L + Book allowance (Rs 1000 per year) + Professional Society membership (90%) + Promotional Opportunity
After 4 yrs	Excellent	As above + Conveyance Allowance (Personal Vehicle) + Medical Allowance / Group Medical Scheme
After 5 yrs	Excellent	As above + Phone Allowance + Lap Top subsidy (80%) + Contribution to EMI for Car/Housing Loan + LTC + Education Allowance + Gratuity

Promotional Opportunities:
(a) Lecturer to Sr Lecturer
(b) Sr Lecturer to Assistant Professor
(c) Assistant Professor to Professor

Guidelines:
(a) Eligibility to be as per AICTE recommendation
(b) Lecturer to Sr Lecturer promotion on informal appraisal
(c) Sr Lecturer to Assistant Professor: Through a formal internal appraisal
(d) Assistant Professor to Professor: Open Competition

Appraisal -
(a) Academically Sound
(b) Quality of Teaching (Lectures, Tutorials, Labs)
(c) Laboratory Development
(d) R&D

(e) Books and Manuals
(f) Participation in other activities like (i) Placement, (ii) Student Development, (iii) Examination work, (iv) Co-curricular and ECA, (v) Contribution to College/ Industry interaction (vi) College administration ...

6.2 Time Based

a. Faculty Staff

S.No.	Items	Remarks
1	Additional Increment	One additional increment in the III year if there has been no promotion / change of designation / salary revision etc.
2	Promotion	A faculty staff joining as a lecturer will be promoted to the post of a Sr. Lecturer in the sixth year if there has been no promotion / change of designation / salary revision etc. Similarly a staff member joining as a Sr. lecturer will be promoted as an Assistant Professor if there has been no promotion / change of designation / salary revision etc.
3	Conveyance	From third year: Conveyance allowance @250/- per month for staff (with salary upto Rs. 20000/- pm) and Rs. 500/- per month (for staff with salary above 20000/-pm)
4	Internet (Staff members have to ask for it)	From third year: Staff members having internet at residence in their own name can claim minimum BSNL rental
5	Conference / Short course etc.	a. Duty leave will be admissible b. After one year: registration fee will be reimburse c. After two years: all above and city to city travel cost will be reimbursed d. After three years: All above and subsidy towards boarding & lodging
6	HRA	To be paid @ 7.5% of basic pay from IV year
7	Book allowance (Staff members have to ask for it)	From third year : Cost of relevant books purchased by faculty to be reimbursed upto Rs. 1000/- PA
8	Education Allowance (Staff members have to ask for it)	From sixth year : 50% of tuition fee for two children. This is restricted to Rs. 500/- per month per child. This further subject to the spouse not claiming this allowance from other organization.
9	Mediclaim	Efforts are being made to cover all the staff through mediclaim policy applicable from third year onwards.

b. Other Staff (Other than faculty staff)

S.No.	Items	Remarks
1	Additional Increment	One additional increment in the III year if there has been no promotion / change of designation / salary revision etc.
2	Promotion	A staff will be promoted to the next higher post in the sixth year provided there has been no promotion / change of designation / salary revision etc. If next higher post is not existing, suitable increments may be given.
3	Conveyance	From third year: Conveyance allowance @250/- per month for staff (with salary upto Rs. 20000/- pm) and Rs. 500/- per month (for staff with salary above 20000/-pm)
4	Conference / Short course etc.	a. Duty leave will be admissible b. After one year : registration fee will be reimburse c. After two years : all above and city to city travel cost will be reimbursed d. After three years: All above and subsidy towards boarding & lodging
5	HRA	To be paid @ 7.5% of basic pay from IV year
6	Education Allowance	From sixth year : 50% of tuition fee for two children. This is restricted to Rs. 500/- per month per child. This further subject to the spouse not claiming this allowance from other organization.
7	Mediclaim	Efforts are being made to cover all the staff through mediclaim policy applicable from third year onwards.

CHAPTER – 7

Assessment

7.1 Performance Appraisal of Faculty:

The performance of faculty appointed on regular basis will be assessed at two stages viz (a) During Probation and (b) Confirmation

(a) During Probation:

The faculty staff will be required to submit his/her self performance appraisal one weak advance of probation. The HOD will give his own observations as Reporting Officer and the Director or the Principal will review the document.

Depending upon the assessment of the staff, the staff member may be confirmed in his/her position or probation may be extended if necessary. The faculty staff will be informed of the deficiencies when the probation period is extended.

During the period of extension of the probation, the HOD will continuously observed the working of the concerned staff member and will suggest ways to improve the performance.

(b) Evaluation after Confirmation:

Even after confirmation, the performance of the faculty shall continuously be monitored on the same lines as in self assessment form. This report will be considered for the benefit to be awarded under career advancement scheme, upward promotion even by direct selection and for other incentives.

7.2 Evaluation of other Staff:

On the similar lines as for faculty, the evaluation of the other staff also will be done. However, the proforma of such evaluation will be different depending upon the nature of the post.

CHAPTER – 8

CONDUCT RULES

8.1 Code of conduct

(a) Every employee shall, at all times, maintain absolute integrity and devotion to duty, and also be honest and impartial in his/her official dealings.

(b) An employee shall, at all times, be courteous in his/her dealings with other members of the staff, students and members of the public.

(c) Unless otherwise stated specifically in the terms of appointment, every employee is a full time employee of the institute. He/She may be called upon to perform such duties, as may be assigned to him/her by the competent authority beyond scheduled working hours and on holidays and Sundays. These duties shall, inter-alia, include attendance at meetings of committees to which he/she may be appointed by the College or any of its authorities.

(d) An employee shall observe the scheduled hours of work during which he/she must be present at the place of his/her duty.

(e) Except for valid reasons and/or unforeseen contingencies, no employee shall be absent from duty without prior permission.

8.2 No employee shall, in any radio broadcast or in any document published anonymously or in his/her own name or any other person or in any communication to the press or in any public utterance, make any statement of fact or opinion which has the effect of an adverse criticism of the College.

8.3 No employee shall pass any confidential information of the College to any unauthorized person or agency.

8.4 No employee of the institute shall, engage, directly or indirectly, in any trade or business or any private tuition or undertake any employment outside his/her official assignments.

8.5 An employee who gets involved in some criminal proceedings shall immediately inform the competent authority through the Head of the Department to which he/she is attached, irrespective of the fact whether he/she has been released on bail or not. An employee who is detained in police custody, whether on criminal charge or otherwise, for a period longer than forty eight hours shall not join his/her duties in the College unless he/she has obtained written permission to that effect from the competent authority.

8.6 No employee shall, except with the previous sanction of the competent authority, have recourse to any Court of Law or to the press for the indication of any official act which has been the subject matter of adverse criticism or an act of defamatory character. Provided nothing in this rule shall be deemed to prohibit an employee from vindicating his/her private character or any act done by him/her in his/her private capacity.

8.7 (a) Whenever an employee wishes to put forth any claim, or seeks redressal of any grievance or of any wrong done to him/her,he/she must forward his/her

case through proper channel, and shall not forward advance copies of his/her application to any higher authority, unless the lower authority has rejected the claim, or refused relief or the disposal of the matter is unduly delayed.
(b) No employee shall be signatory to any joint representation addressed to the authorities for redressal of any grievance or of any other matter.

8.8 An employee shall, regarding imposition of penalties for breach of any of these rules and regarding preference of appeals against any action taken against him/her, be governed by the rules made in this behalf from time to time by the competent authority.

8.9 A faculty staff shall be responsible for the results of the students of the class being engaged by him/her.

This will necessarily mean:

a) Planning the course of lectures for the entire semester and suggesting suitable text and reference books to the students.

b) Delivering well prepared lectures with the help of handouts and teaching aids.

c) Preparing tutorial sheets with representative problems.

d) Keeping an up-to-date account of attendance of students

e) Conducting assessment of students as per the approved policies

f) Explaining the steps taken to improve the situation / difficulty being faced in performing the duties and offering suggestions, if any, to improve the efficiency.

g) The department will prepare an academic calendar for the department in conformity with the College calendar. The faculty staff will be following this calendar.

h) Punctuality in arriving at the college, engaging classes shall be an important trait of a faculty staff.

i) Faculty staff shall generally be available to students for discussion and guidance during college hours. The day's work of making attendance, checking answer books and entering and submitting marks and other details shall be completed before he/she leaves the college.

j) The faculty staff shall regularly intimate the tutor guardians of the progress of the students. The tutor guardian, in turn, shall call the

students and try to find out the reasons for poor performance and deficiency in attendance. If necessary the tutor guardian shall inform the parents about the performance of the student and shall also maintain a record of the same.

8.10 Dress Code:

1. Male Staff – Should preferably wear shirts (no T-shirts) and Trousers (no Jeans). Ties also may be worn.
2. Female Staff – Should wear sarees.

N.B.

(This Hand Book contains guidelines for smooth functioning of the institute. These are guidelines and should not be interpreted as rules and hence can not be challenged in the Court of Law)

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10.1.3. Decentralization in working and grievance redressal mechanism

HEAD OF ACADEMIC PROGRAM / DEPARTMENTS AND ADMINISTRATION

Program/Department/Section	Head
Principal	Prof. (Dr.) Vinay Kumar Chandna
Dean II Shift	Dr. M.P. Singh
Dean – I Year	Prof. Umesh K. Pareek
Dy. Dean – I Year	Dr. Rekha Mithal
Civil Engineering	Ms. Monika Sharma
Computer Science & Engineering	Dr. Bhavna Sharma
Electrical Engineering	Dr. Sandeep Vyas
Electronics & Communication Engineering	Dr. Lokesh Bansal
Mechanical Engineering	Dr. M.P. Singh
Information Technology	Shri Sunil Jangir
Physics	Dr. R.K. Mangal
Chemistry	Dr. Barkha Srivastava
Mathematics	Dr. Ruchi Mathur
English & Humanities	Dr. Mukul Sharma
Management & Administration	
Vice Chairman	Shri M.L. Sharma
Senior Advisor	Shri O.P. Jain
Senior Advisor	Shri P.K. Tiwari
Senior Advisor	Prof. S.N. Gupta
Chief Administrator Officer	Shri P.K. Gupta
Registrar	Prof. (Dr.) Anurakt Williamson
Librarian	Dr. Anita Jain
Sports Officer	Dr. Rajesh Sharma
Chief Hostel Warden	Shri P.K. Gupta
OS Office	Shri Amitabh Gupta
Accounts Officer	Shri Sumit Agarwal Shri Sandesh Pathak

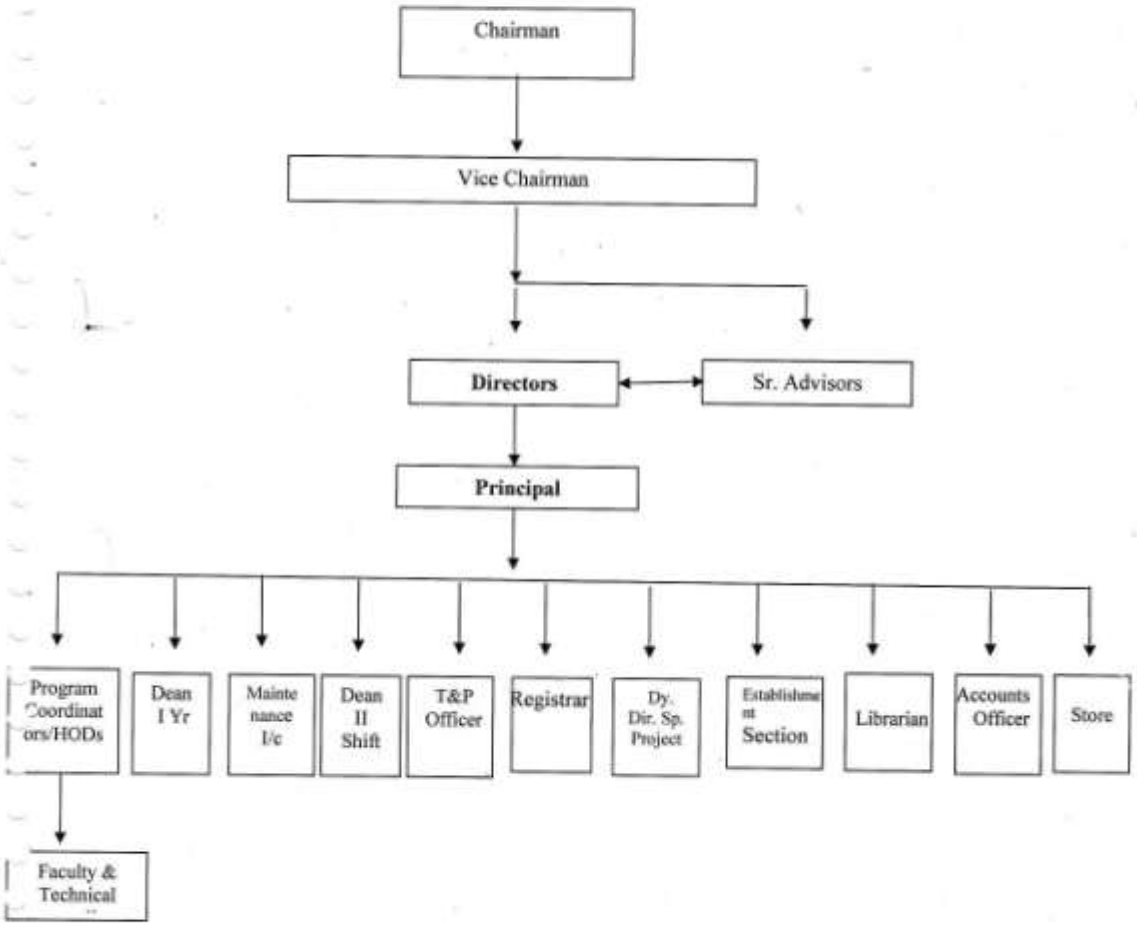
Management committee:

Shri O.P. Agrawal	Chairman
Shri M.L. Sharma	Vice Chairman
Shri Amit Agrawal	Director
Shri Arpit Agrawal	Director

DECENTRALIZATION OF POWER

In the institute power are transferred from Chairman to the lower level, it can be seen in the organization chart.

Organization Chart



V. Par
PRINCIPAL
Jaipur Engineering College & Research Centre
303 905

17

Composition of grievance redressal cell including Anti-Ragging Committee & Sexual Harassment Committee

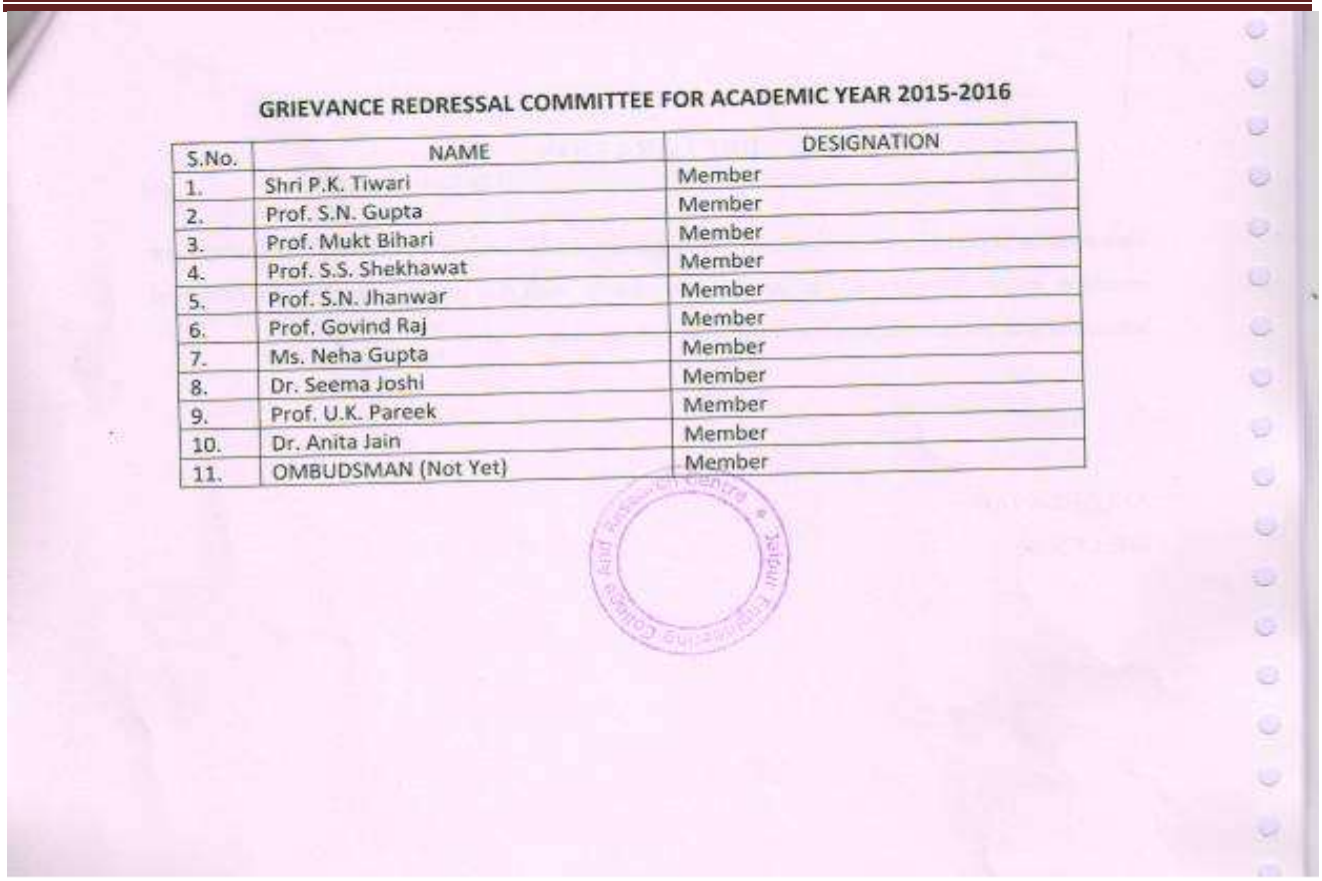
Application Status: **Submitted**
Application Sub-Status: **Payment Received**

Report Generated on :-09/02/2018

Sr. No.	Committee Type	Appointment Order Reference No.	Date of Appointment	Name of the Committee Member	Profession	Address	Associated With	Mobile No.	E-Mail Address	Fax No.
1	OMBUDSMAN	94	25/10/2017	Not Yet Appointed	Not	Not	Not	7442 473105	rtu.dir.acad@gmail.com	2473 657
2	Grievance Redressal	94	25/10/2017	Ms.RAJ PAREEK	EDUCATIONIST	JECRC,SHRI RAM KI NANGAL,VIA SITAPURA RIICO,OPP EPIP GATE TONK ROAD,JAIPUR	JECRC	9982 682911	rajpareek@jecrc.ac.in	2770 803
3	Grievance Redressal	94	25/10/2017	Mr. Ashok Sharma	warden	JECRC,SHRI RAM KI NANGAL VIA SITAPURA,RIICO,OPP EPIP GATE TONK ROAD,JAIPUR	JECRC	9982 682914	ashok@jecrc.ac.in	2770 803
4	Grievance Redressal	94	25/10/2017	MS. YOGITA PUNJABI	EDUCATIONIST	228-A/3 PARVATI NAGAR RAJA PARK JAIPUR	JECRC	9887 015652	yogita234@gmail.com	2778 03
5	Grievance Redressal	94	25/10/2017	Dr. Vijay Singh Rathore	Educationst	s-5, bankers colony canchyawala jaipur	JECRC	9783 307390	vijaydiamond@gmail.com	2778 03
6	Grievance Redressal	94	25/10/2017	Sh. Anshul Mittal	EDUCATIONIST	11 CIMMCO STFF COLONY BHARATPUR RAJ 321001	JECRC	9772 620462	anshul.o.mittal@gmail.com	2778 03
7	Grievance Redressal	94	25/10/2017	Dr. V.K.Chandna	Principal	A-104,ASHA DEEP,GREEN AVENUE NEAR GYAN VIHAR UNIVERSITY,JAGATPURA,JAIPUR	JECRC	9891 406784	principal@jecrcmail.com	2770 803
8	Grievance Redressal	94	25/10/2017	Shri P K Gupta	Chief Hostel Warden	170/190, Sector-17, Pratap Nagar, Jaipur	JECRC	9982 682915	muktbihari.cse@jecrc.ac.in	2770 803
9	Grievance Redressal	94	25/10/2017	Dr. Rajesh Sharma	Educationist	137, Pashim Vihar, Vaishali, Sirsi Road, Jaipur	JECRC	9024 224830	shekhawat48@gmail.com	2770 803
10	Grievance Redressal	94	25/10/2017	Dr. U.K.Pareek	educationist	Near CTS Bus Stand, Vyason Ka Mohalla, Sanganer, Jaipur	JECRC	9785 506667	ukpareek69@yahoo.co.i	2770 803

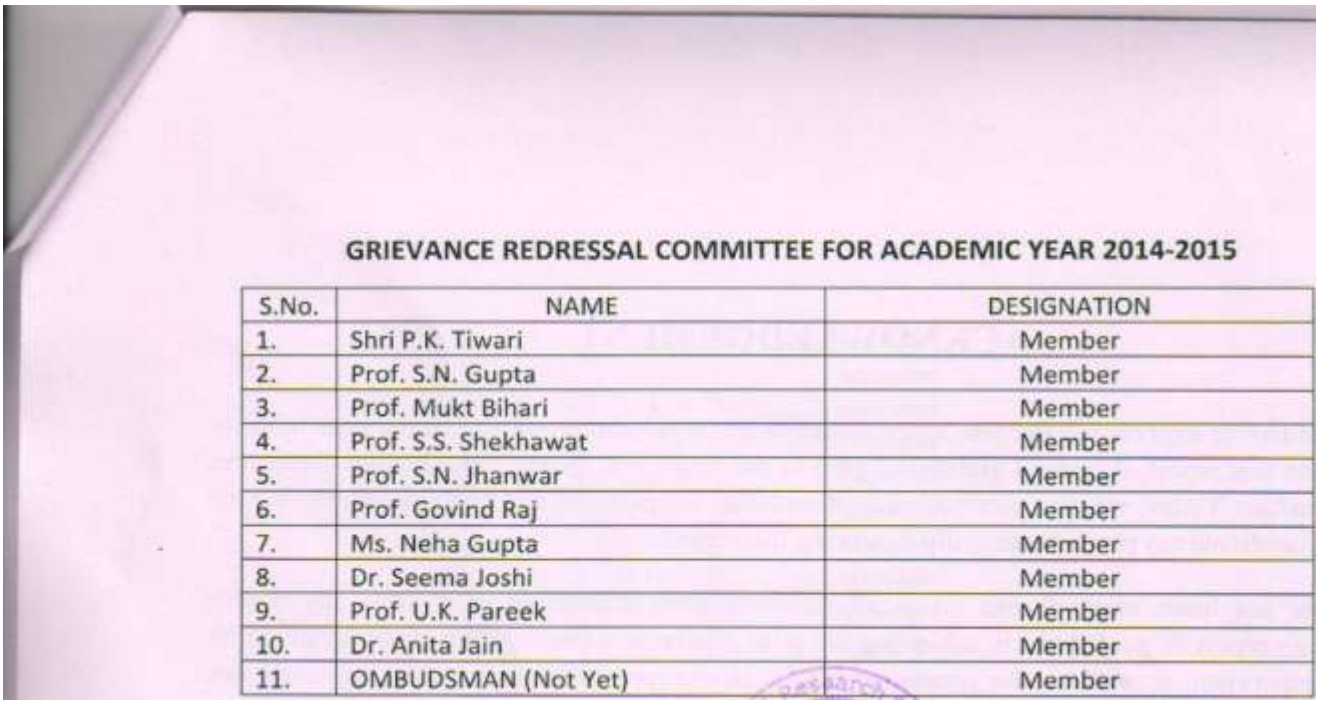
GRIEVANCE REDRESSAL COMMITTEE FOR ACADEMIC YEAR 2016-2017

S.No.	NAME	DESIGNATION
1.	OMBUDSMAN (NOT YET)	Member
2.	Shri P.K. Tiwari	Member
3.	Shri Manish Jain	Member
4.	Shri P.K. Gupta	Member
5.	Dr. Rajesh Sharma	Member
6.	Ms. Ruchi Mathur	Member
7.	Shri Anshul Mittal	Member



GRIEVANCE REDRESSAL COMMITTEE FOR ACADEMIC YEAR 2015-2016

S.No.	NAME	DESIGNATION
1.	Shri P.K. Tiwari	Member
2.	Prof. S.N. Gupta	Member
3.	Prof. Mukt Bihari	Member
4.	Prof. S.S. Shekhawat	Member
5.	Prof. S.N. Jhanwar	Member
6.	Prof. Govind Raj	Member
7.	Ms. Neha Gupta	Member
8.	Dr. Seema Joshi	Member
9.	Prof. U.K. Pareek	Member
10.	Dr. Anita Jain	Member
11.	OMBUDSMAN (Not Yet)	Member



GRIEVANCE REDRESSAL COMMITTEE FOR ACADEMIC YEAR 2014-2015

S.No.	NAME	DESIGNATION
1.	Shri P.K. Tiwari	Member
2.	Prof. S.N. Gupta	Member
3.	Prof. Mukt Bihari	Member
4.	Prof. S.S. Shekhawat	Member
5.	Prof. S.N. Jhanwar	Member
6.	Prof. Govind Raj	Member
7.	Ms. Neha Gupta	Member
8.	Dr. Seema Joshi	Member
9.	Prof. U.K. Pareek	Member
10.	Dr. Anita Jain	Member
11.	OMBUDSMAN (Not Yet)	Member

2017-2018

NWR1-35131119027170101028

Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-09/02/2018

Sr. No	Legal System Software	Legal Application Software	Internet Bandwidth in Mbps	Internet Contention Ratio	PCs/Laptop exclusively available to students	PCs/Laptop available in Administrative Office	No. of PCs/Laptop available in Library	No. of PCs/Laptop in language lab	PCs/Laptop available to Faculty Members	Printers available to student
1	8	28	105	1:1	708	14	12	56	80	55

Hostel Facility

Sr No	No. of rooms having Single bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms having Double/Two bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms having Triple/Three bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms having Four bed/room & Area	Building No.	Name of Building
1	Boys 0 & 0	0	0	79 & 16.72	BH-1	BH-1	72 & 27.32	BH-2	BH-2	Boys 0 & 0	0	0
2	Girls 3 & 9.5	GH-1	Girls Hostel	3 & 13.7	GH-1	Girls Hostel	35 & 21	0	Girls Hostel	Girls 21 & 32	GIRLS HOSTEL	GH-1

Operational Funds

Bank Name	Account No.	Bank Statement Date	Cash Balance
HDFC Bank Ltd.	50200006658098	30/01/2015	22353221

Financial Details(in Rs)

Funds/ Grants from Central Government	0	Funds/ Grants from UGC	0
Funds/ Grants from Student Fees	404675675	Funds/ Grants from Donations	0
Funds/ Grants from State Government	0	Funds/ Grants from Other Bodies	0
Funds/ Grants raised from Other Sources/ Internal Revenue	3995683	Salary to the Teaching Staff	91265645
Remuneration to Visiting/Guest Faculty	0	Salary to Non-teaching Staff:	45070840
Library (Investments)	195808	Equipment (Investments)	516424
Building Maintenance Expenses	5087369	Other Expenditure (if any)	197585407

Company/Industry Details

Are you a Company/Industry wishing to set up a new Institute?:		No	
Type of Company/Industry:	NA	Is the company having Minimum 100 Cr Turnover for the last 3 years? (Attach supporting documents):	NA
Company/Industry PAN No.:	NA	Company/Industry TAN No.:	NA
Company/Industry Registered Address:	NA	Company/Industry Year of Registration:	NA

Ombudsman/Grievance Details

Grievance Committee Appointment	Yes	OMBUDSMAN Appointment	Yes

Ombudsman Appointment/Grievance Committee Details

09-02-18
Date of Signature(dd/mm/yyyy)

Printed By : ae927181

Seal of Institute

Name & Signature of Director/Principal

Jaipur Engineering College & Research Centre
Tonk Road, Jaipur - 303 905

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NWR1-351311102717-010102 9

Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-09/02/2018

Sr. No.	Committee Type	Appointment Order Reference No.	Date of Appointment	Name of the Committee Member	Profession	Address	Associated With	Mobile No.	E-Mail Address	Fax No.
1	OMBUDSMAN	94	25/10/2017	Not Yet Appointed	Not	Not	Not	7442473105	rtu.dir.acad@gmail.com	2473857
2	Grievance Redressal	94	25/10/2017	Ms.RAJ PAREEK	EDUCATIONIST	JECRC,SHRI RAM KI NANGAL,VIA SITAPURA RIICO,OPP EPIP GATE TONK ROAD,JAIPUR	JECRC	9982682911	rajpareek@jecrc.ac.in	2770803
3	Grievance Redressal	94	25/10/2017	Mr. Ashok Sharma	warden	JECRC,SHRI RAM KI NANGAL VIA SITAPURA,RIICO,OPP EPIP GATE TONK ROAD,JAIPUR	JECRC	9982682914	ashok@jecrc.ac.in	2770803
4	Grievance Redressal	94	25/10/2017	MS. YOGITA PUNJABI	EDUCATIONIST	228-A/3 PARVATI NAGAR RAJA PARK JAIPUR	JECRC	9887015652	yogita234@gmail.com	277803
5	Grievance Redressal	94	25/10/2017	Dr. Vijay Singh Rathore	Educationist	s-5, bankers colony oanchyawala jaipur	JECRC	9783307390	vijaydiamond@gmail.com	277803
6	Grievance Redressal	94	25/10/2017	Sh. Anshul Mittal	EDUCATIONIST	11 CIMMCO STFF COLONY BHARATPUR RAJ 321001	JECRC	9772620462	anshul.o.mittal@gmail.com	277803
7	Grievance Redressal	94	25/10/2017	Dr. V.K.Chandna	Principal	A-104,ASHA DEEP,GREEN AVENUE NEAR GYAN VIHAR UNIVERSITY,JAGATPURA,JAIPUR	JECRC	9891406784	principal@jecrcmail.com	2770803
8	Grievance Redressal	94	25/10/2017	Shri P K Gupta	Chief Hostel Warden	170/190, Sector-17, Pratap Nagar, Jaipur	JECRC	9982682915	muktbihari.cse@jecrc.ac.in	2770803
9	Grievance Redressal	94	25/10/2017	Dr. Rajesh Sharma	Educationist	137, Pashim Vihar, Vaishali, Sirsi Road, Jaipur	JECRC	9024224830	shekhawat48@gmail.com	2770803
10	Grievance Redressal	94	25/10/2017	Dr. U.K.Pareek	educationist	Near CTS Bus Stand, Vyason Ka Mohalla, Sanganer, Jaipur (Raj)-2732271	JECRC	9785506667	ukpareek69@yahoo.co.in	2770803

Anti-Ragging Related Details Provided by the Institute

1	Constitution of Anti-Ragging Committee	Yes
2	Constitution of Anti-Ragging Squad	Yes
3	Undertaking obtained from all Students	Yes
4	Appointment of Counselors	Yes

Date of Signature(dd/mm/yyyy)

Printed By : ae027181

Seal of Institute

Name & Signature of Director/Principal

Jaipur Engineering College & Research Centre, Tonk Road, Jaipur - 303 905

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NWR1-3513111102717-0101030

Application Report - Part 1

Application Status: **Submitted**
Application Sub-Status: **Payment Received**

Report Generated on :-09/02/2018

5	Undertaking obtained from parents of all the students	Yes
6	Undertaking obtained from students staying in Hostel	Yes
7	Undertaking obtained from parents of students staying in Hostel	Yes

Anti-Ragging Committee/Squad Details

Sr. No.	Committee Type	Appointment Order reference No.	Date of Appointment	Name of the Committee Member	Profession	Address	Associated With	Mobile No.	E-Mail Address	Fax No.
1	Anti-Ragging Squad	95	25/10/2017	Dr. VINAY KUMAR CHANDNA	EDUCATIONIST	A/04, ASHA DEEP, GREEN AVENUE, NEAR GYAN VIHAR UNIVERSITY, JAGATPURA, JAIPUR	JECRC	98914 06784	principal@jecrcmail.com	
2	Anti-Ragging Committee	95	25/10/2017	Dr.U.K.Pareek	EDUCATIONIST	CTS Bus Stand Vyaso ka Mohalla Sanganer Jaipur 302029	JECRC	97855 00667	ukpareek69@yahoo.co.in	
3	Anti-Ragging Committee	95	25/10/2017	Mr. Anshul Mittal	EDUCATIONIST	A-11, Cimmco Staff Colony, Bharatpur (Raj)-321001	JECRC	97726 20462	ansul.o.mittal@gmail.com	
4	Anti-Ragging Committee	95	25/10/2017	Mr. Ravi Bhatnagar	Transport Incharge	193/313 Pratap Nagar Sanganer Jaipur 302033	JECRC	90241 49459	ravibhatnagar1982@gmail.com	
5	Anti-Ragging Committee	95	25/10/2017	SH. O P JAIN	RETD. REVENUE OFFICER	JECRC CAMPUS, SHRI RAM KI NANGAL, VIA SITAPURA RIICO, TONK ROAD, JAIPUR	JECRC	94133 35550	opjain@jecrc.ac.in	
6	Anti-Ragging Committee	95	25/10/2017	MS. SHRUTI KALRA	EDUCATIONIST	53-A SCHEME-3 PRATAP NAGAR,NEAR GLASS FACTORY TONK ROAD,JAIPUR	JECRC	94143 71413	shrutikalra.ece@jecrc.ac.in	
7	Anti-Ragging Committee	95	25/10/2017	SH. P K GUPTA	CHIEF HOSTEL WARDEN	447, SHANTI NAGAR, DURGAPURA, JAIPUR	JECRC	99826 82475	cao@jecrc.ac.in	
8	Anti-Ragging Committee	95	25/10/2017	Dr. M.P..Singh	EDUCATIONIST	467 SRI RAM VIHAR NEW MAHAL YOJANA JAGATPURA JAIPUR 302017	JECRC	94142 03639	mpsingh_76@yahoo.co.in	
9	Anti-Ragging Committee	95	25/10/2017	MS. RAJ PAREEK	HOSTEL WARDEN GIRLS	JECRC CAMPUS, SHRI RAM KI NANGAL, VIA SITAPURA RIICO, TONK ROAD, JAIPUR	JECRC	99826 82911	rajpareek@jecrc.ac.in	
10	Anti-Ragging Committee	95	25/10/2017	DR. ANITA JAIN	LIBRARIAN	D-268, SARVANAND MARG, MALVIYA	JECRC	98292 30353	anita.lib@jecrc.ac.in	

09-02-18
Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

PRINCIPAL
Jaipur Engineering College & Research Centre
Tonk Road, Jaipur - 302 905

Printed By : ae927181

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Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-09/02/2018

11	Anti-Ragging Committee	95	25/10/2017	Ms. Neelam Chaplot	EDUCATIONST	NAGAR, JAIPUR 52 GOVERDHAN COLONY NEW SANGANER ROAD JAIPUR 302012	JECRC	94143 96960	neelam.chaplot@gmail.com	

Renewable Energy Related Details/Conservation of Energy Details

Sr. No.	Particulars	Details Provided by Institute
1	Total land available (in Sqm.)	51204
2	No. of buildings with roof tops	9
3	Annual electricity consumption (No. of units) during previous financial year	740619
4	Electricity Bill-Average rate per unit paid during previous financial year (Rs. / unit) & No. of units used	9
5	Renewable Energy, if any, used at present	Yes
6	Land available for placing solar photovoltaic panels (in Sqm.)	8000
7	Total approximate roof- top area available for placing solar photovoltaic panel (in Sqm.)	10770
8	Whether a policy has been adopted to use only LED lamps ?	Yes
9	Remarks	LED LIGHTS ARE INSTALLED IN THE COMPUS AT APPROPREIED PLACES

Other Facilities

All Weather Approach (Motorized Road)	Yes	Backup Electric Supply	Yes
Barrier free Environment	Yes	CCTV Security	Yes
ERP Software	Yes	Electric Supply	Yes
General Insurance	Yes	Group Insurance	Yes
Institution Web Site	Yes	Insurance for Students	Yes
Medical & Counseling facilities	Yes	Notice Boards	Yes
Public Announcement System	Yes	Potable Water Supply	Yes
Post & Banking/ATM	Yes	Projectors in Classrooms	Yes
Sewage Disposal System	Yes	Staff Quarters	No
Telephone & FAX	Yes	Transport Facility	Yes
Vehicle Parking Facility	Yes	First Aid Facility	Yes
Rain Water Harvesting	Yes	Solar Power Systems	Yes
Appointment Of Student Counselor	Yes	Establishment Of Anti Ragging Committee	Yes
Establishment Of Committee For SC/ST	Yes	Provision to watch MOOCS Courses through Swayam	Yes
Implementation of Unnat Bharath Abhiyan	Yes	Institution-Industry Cell:	Yes

Stand Alone Language Laboratory (Minimum 25 PCs/Laptop up to total intake of 1000.Further additional 25 PCs/Laptop per intake of 1000):	Yes
Safety Provisions including fire and other calamities	Yes
Establishment of Internal Complaint Committee (ICC) Committee As per section 4 of Sexual Harassment of Women at Workplace(Prevention, Prohibition and Redressal) Act, 2013	Yes
Establishment of Grievance Redressal Committee in the Institute and Appointment of OMBUDSMAN by the University	Yes
Digital Payment for all Financial Transactions as per MHRD Directives	Yes
Compliance of the National Academic Depository(NAD) as per MHRD Directives	Yes
Display Board within the premises as well as in the Website of the Institution indicating the Feedback Facility of Students and Faculty Available in the AICTE Web Portal	Yes
Implementing Food Safety and Standard Act,2006 in the Institution	Yes
Implementation of Schemes Announced by MHRD	Yes
Offering of Skill Development Courses Approved by the Council	Yes
Participation in the National Institutional Ranking Framework(NIRF)	Yes
Fabrication Facility Laboratory(FABLAB) Tinkering Laboratory/Innovation Laboratory	Yes
Waste Management and Environment Improvement Measures to Ensure a Sustainable Green Campus	Yes
Copies of AICTE Approvals (LOA and EOA of subsequent years)obtained since inception of Institution till date shall be placed in the Website of the Institution	Yes
Applied for Membership of National Digital Library	Yes
Establishment of Online Grievance Redressal Mechanism	Yes
Whether the institution has implemented Safety and Security measures in the Campus?	Yes
Availability of quality sanitary napkins through sanitary napkin vending machines and ensuring safe and environment friendly disposal of used sanitary napkin through sanitary napkin incinerator	Yes

09-02-18
Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

Printed By : ac927161

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Jaipur Engineering College & Research Centre
Tonk Road, Jaipur - 303 905

2016-2017

Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-20/02/2017

Funds/ Grants from UGC	0
Funds/ Grants from Other Bodies	0
Funds/ Grants raised from Other Sources/ Internal Revenue	7261361
Salary to the Teaching Staff	67120428
Remuneration to Visiting/Guest Faculty	81287
Salary to Non-teaching Staff:	44746952
Library (Investments)	308332
Equipment (Investments)	2084357
Building Maintenance Expenses	3828578
Other Expenditure (if any)	253130122

Company/Industry Details

Are you a Company/Industry wishing to set up a new Institute?:	No
Type of Company/Industry:	Not Applicable
Is the company having Minimum 100 Cr Turnover for the last 3 years? (Attach supporting documents):	Not Applicable
Company/Industry PAN Number:	Not Applicable
Company/Industry TAN Number:	Not Applicable
Company/Industry Registered Address:	Not Applicable
Company/Industry Year of Registration:	Not Applicable

Funds/Grants Received Details

Data not entered by Institute

Funds/Grants Received Details (Contd.)

Data not entered by Institute

Ombudsman/Grievance Details

Grievance Committee Appointment	Yes
OMBUDSMAN Appointment	Yes

Ombudsman Appointment/Grievance Committee Details

Sr. No.	Committee Type (1)	Appointment Order reference Number(2)	Date of Appointment (3)	Name of the Committee Member (4)	Profession (5)	Address (6)	Associated With(7)	Mobile Number (8)	e Mail Address (9)	Fax No. (10)
1	OMBUDSMAN	92	22/07/2015	Not Yet Appointed	Not	Not	Not	7442473105	rtu.dir.acad@gmail.com	2473857
2	Grievance	92	10/10/2016	Dr. U.K.Paree	educationist	Near CTS	JECRC	9785506667	ukpareek69@yah	2770803

Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

Please submit the hard copy of this Report to Regional Officer only if Application status is "Submitted" and Application Substatus is "Payment Received" / "Payment Not Applicable"

***Note :- All the Dates in the Report are in dd/mm/yyyy format

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Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-20/02/2017

	Redressal			k		Bus Stand, Vyason Ka Mohalla , Sanganer, Jaipur (Raj)-273227 1			oo.co.in	
3	Grievance Redressal	92	10/10/2016	Ms. PARUL TYAGI	EDUCATIONIST	54/60, Mansarovar, Near Ryan Public School, Jaipur (Raj)	JECRC	9772970343	tyagi.parul82@gmail.com	2770803
4	Grievance Redressal	92	10/10/2016	Ms.RAJ PAREEK	EDUCATIONIST	JECRC, SHRI RAM KI NANGAL,VIA SITAPURA RIICO, OPP EPIP GATE TONK ROAD,JAIPUR	JECRC	9982682911	rajpareek@jecrc.ac.in	2770803
5	Grievance Redressal	92	10/10/2016	Mr. Ashok Sharma	warden	JECRC, SHRI RAM KI NANGAL VIA SITAPURA,RIICO,OPP EPIP GATE TONK ROAD,JAIPUR	JECRC	9982682914	ashok@jecrc.ac.in	2770803
6	Grievance Redressal	92	10/10/2016	Dr. V.K.Chandna	Principal	A-104,ASHA DEEP, GREEN AVENUE NEAR GYAN VIHAR UNIVERSITY,	JECRC	9891406784	principal@jecrcmail.com	2770803

Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

Please submit the hard copy of this Report to Regional Officer only if Application status is "Submitted" and Application Substatus is "Payment Received" / "Payment Not Applicable"

***Note :- All the Dates in the Report are in dd/mm/yyyy format

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Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-20/02/2017

						JAGAT PURA,JAIPUR				
7	Grievance Redressal	92	10/10/2016	Shri Manish Jain	Educationist	102, Anukampa Aptt., Trimurti Marg, Malviya Nagar, Jaipur	JECRC	9460124570	sngupta@jecrc.ac.in	2770803
8	Grievance Redressal	92	10/10/2016	Shri P K Gupta	Chief Hostel Warden	170/190, Sector-17, Pratap Nagar, Jaipur	JECRC	9982682915	muktbihari.cse@jecrc.ac.in	2770803
9	Grievance Redressal	92	10/10/2016	Dr. Rajesh Sharma	Educationist	137, Pashim Vihar, Vaishali, Sirsi Road, Jaipur	JECRC	9024224830	shekhawat48@gmail.com	2770803
10	Grievance Redressal	92	10/10/2016	Ms. NEELAM CHAPLOT	Educationist	"52, Goverdhan Colony, New Sanganer Road, Sodala, Jaipur (Raj)"	JECRC	9414396960	neelam.chaplot@gmail.com	2770803
11	Grievance Redressal	92	10/10/2016	Shri Anshul Mittal	Warden	1/1305, Malviya Nagar, Jaipur	JECRC	9829740762	govindraj@yahoo.co.in	2770803

Anti-Ragging Related Details Provided by the Institute

Constitution of Anti-Ragging Committee	Yes
Constitution of Anti-Ragging Squad	Yes
Undertaking obtained from all Students	Yes
Appointment of Counselors	Yes
Undertaking obtained from parents of all the students	Yes
Undertaking obtained from students staying in Hostel	Yes
Undertaking obtained from parents of students staying in Hostel	Yes

Anti-Ragging Committee/Squad Details

Sr.	Commi	Appointment	Date of	Name of	Professio	Address	Associated	Mobile	Fax	eMail Address

Signature(dd/mm/yyyy)

Please submit the hard copy of this Report to Regional Officer only if Application status is "Submitted" and Application Substatus is "Payment Received" / "Payment Not Applicable"

***Note :- All the Dates in the Report are in dd/mm/yyyy format

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Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-20/02/2017

No.	ttee Type (1)	Order reference Number(2)	Appointment (3)	the Committee Member (4)	n (5)	(6)	With(7)	Number (8)	No (9)	(10)
1	Anti-Ragging Squad	92	10/10/2016	Dr. VINAY KUMAR CHANDNA	EDUCATIONIST	A/04, ASHA DEEP, GREEN AVENUE, NEAR GYAN VIHAR UNIVERSITY, JAGATPURA, JAIPUR	JECRC	9891406784	2770803	principal@jecrcmail.com
2	Anti-Ragging Committee	92	10/10/2016	SH. MUKT BIHARI	EDUCATIONIST	170/190 SECTOR 17,PRTAP NAGAR JAIPUR	JECRC	9982682915	2770803	muktbihari@jecrc.ac.in
3	Anti-Ragging Committee	92	10/10/2016	Mr. Anshul Mittal	EDUCATIONIST	A-11, Cimmco Staff Colony, Bharatpur (Raj)-321001	JECRC	9772020462	2770803	ansul.o.mittal@gmail.com
4	Anti-Ragging Committee	92	10/10/2016	SH. O P JAIN	RETD. REVENUE OFFICER	JECRC CAMPUS, SHRI RAM KI NANGAL, VIA SITAPURA RIICO, TONK ROAD, JAIPUR	JECRC	9413335550	2770803	opjain@jecrc.ac.in
5	Anti-Ragging Committee	92	10/10/2016	MS. SHRUTI KALRA	EDUCATIONIST	53-A SCHEME E-3 PRATAP NAGAR, NEAR GLASS FACTORY TONK ROAD,JAIPUR	JECRC	9414371413	2770803	shrutikalra.ece@jecrc.ac.in
6	Anti-Ragging Committee	92	10/10/2016	SH. P K GUPTA	CHIEF HOSTEL WARDEN	447, SHANTI NAGAR, DURGAPURA, JAIPUR	JECRC	9982682475	2770803	cao@jecrc.ac.in

Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

Please submit the hard copy of this Report to Regional Officer only if Application status is "Submitted" and Application Substatus is "Payment Received" / "Payment Not Applicable"

***Note :- All the Dates in the Report are in dd/mm/yyyy format

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Application Report - Part 1

Application Status: Submitted
Application Sub-Status: Payment Received

Report Generated on :-20/02/2017

7	Anti-Ragging Committee	92	10/10/2016	SH. MANISH JAIN	EDUCATIONIST	13/22-A, MALVIYA NAGAR, JAIPUR	JECRC	9214699647	2770803	manish_jecrc@yahoo.com
8	Anti-Ragging Committee	92	10/10/2016	MS. RAJ PAREEK	HOSTEL WARDEN GIRLS	JECRC CAMPUS, SHRI RAM KI NANGAL, VIA SITAPURA RIICO, TONK ROAD, JAIPUR	JECRC	9982682911	2770803	rajpareek@jecrc.ac.in
9	Anti-Ragging Committee	92	10/10/2016	DR. ANITA JAIN	LIBRARIAN	D-268, SARVANAND MARG, MALVIYA NAGAR, JAIPUR	JECRC	9829230353	2770803	anita.lib@jecrc.ac.in
10	Anti-Ragging Committee	92	10/10/2016	SH. R. P. JAIN	OFFICE SUPRINTENDRNT	6/418, MALVIYA NAGAR, JAIPUR	JECRC	9636079550	2770803	rpjain@jecrc.ac.in

Renewable Energy Installation Details/Conservation of Energy

Total land available (in Sq. mts.)	51204
No. of buildings with roof tops	9
Annual electricity consumption (No. of units) during previous financial year	623237
Electricity Bill-Average rate per unit paid during previous financial year (Rs. / unit) & Number of units used	9
Renewable Energy, if any, used at present	Yes
Renewable Energy Type(solar/Wind/Tidal/etc)	Solar base water heating system is installed at roof top at the hostel. There are 9 such unit avaible in the premises.
Land available for placing solar photovoltaic panels (in sq. mts.)	5000
Total approximate roof- top area available for placing solar photovoltaic panel (in sq.mts.)	9577
Whether a policy has been adopted to use only LED lamps ?	Yes
Remarks	LED LIGHTS ARE INSTALLED IN THE COMPUS AT APPROPREIED PLACES

Date of Signature(dd/mm/yyyy)

Seal of Institute

Name & Signature of Director/Principal

Please submit the hard copy of this Report to Regional Officer only if Application status is "Submitted" and Application Substatus is "Payment Received" / "Payment Not Applicable"

***Note :- All the Dates in the Report are in dd/mm/yyyy format

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JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE,

(SHRI RAM KI NANGAL,VIA SITAPURA RIICO,OPP.EPIP GATE,TONK ROAD,JAIPUR-302022)

13.10.2015

OFFICE ORDER

Students' & Hostellers Grievance Redressal Committee

With a view to redressing the grievances of the students and the hostellers, Committee consisting of the undernoted members is constituted:

S.NO.	NAME	POST	MOBILE NO.
1	Sh. P.K. Tiwari, (Sr. Advisor)	Chairman	9829044224
2	Prof. Dr.V.K. Chandna	Co-Chairman	9891406784
3	Prof. Dr.U.K. Pareek	Secretary	9785506667
4	Prof. Dr.Jyoti Thanvi	Member	9772781250
5	Sh. Manish Jain	Member	9214699647
6	Sh. Mukesh Agarwal	Member	9214044474
7	Sh. Sunil Jangir	Member	9251039749
8	Ms.Jisha Vargise	Member	9784468656
9	Ms. Parul Tyagi	Member	9772970343
10	Sh. R.S.Agarwal	Member	9460117479
11	Ms.Raj Pareek	Member	9982682911
12	Dr. Rajesh Sharma	Member	7877546888
13	Sh. K.B.Pareek	Member	9982682909
14	One Invited member		

The committee will meet every second and forth Wednesday from 3:15 PM To 4:00 PM to hear the complaints of students and also look into the arrangements of hostels.

PRINCIPAL

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE,
(SHRI RAM KI NANGAL, VIA SITAPURA RIICO, OPP.EPIP GATE, TONK ROAD, JAIPUR-302022

2015-2016

Anti Raging Committee

An anti raging committee to prevent raging is the JECRC Campus has been constituted,following are the members of the anti raging committee.

S.NO.	NAME	POST	MOBILE NO.
1`	Sh. O.P.Jain	Chairman	9413335550
2	Sh.M.L.Sharma	Vice-Chairman	9414279663
3	Dr. V.K.Chandna	Principal	9891406784
4	Sh. P.K.Tiwari	Sr. Advisor	9772524494
5	All Programme-Co-Ordinators	All HOD's	-
6	Sh.R.S.Agarwal	Registrar	9460117479
7	Sh.P.K.Gupta	Chief Administrative Officer	9982682475
8	Dr. Jyoti Thanvi	Chief Co-Ordinator(Ist Year)	9772781250
9	Sh.R.P.Jain	Office Superintendent	9636079550
10	Sh.K.B.Pareek	Chief Warden	9982682909
11	Dr.Anita Jain	Chief Librarian	9829230353
13	Dr. U.K.Pareek	Member	9785506667
14	Sh.L.Senthil	Member	8952934577

Jaipur Engineering College and Research Centre

(Chairman)

OFFICE OF THE CENTRAL MONITORING COMMITTEE

JECRC Campus, Shri Ram Ki Nangal, Via-Sitapura, Near Sanganer Sadar Thana, Tonk Road, Jaipur-302022

8-8-18

MINUTES OF THE MEETING HELD ON 26/07/2018 TO CURB THE MENACE OF RAGGING

A) Meeting was held on 26th July 2018 in JECRC campus at 15 hours. The agenda of meeting was to curb the menace of ragging in College campus. The following were present: -

1. Shri M.L. Sharma, Vice-Chairman
2. Prof. S.N. Gupta, Senior Advisor
3. Shri R.S. Agarwal, Director ABD
4. Dr. Anurakt Williamson , Registrar
5. Dean – I Year
6. Dean – II Shift
7. Shri Anshul Mittal
8. Shri P.K. Gupta Chief Administrative Officers/Chief Warden and other Wardens
9. All Heads of the Departments
10. All Administrative Heads
11. Shri Malli Ram- Security Guard

B) **Agenda of the Meeting**: - The meeting was held specifically for the purpose of having discussion to curb the menace of ragging in our institutions and also to keep the campus ragging free as was being done in previous years

C) 1. Shri M.L. Sharma, Vice-Chairman of this committee first welcomed all the participants, thanked all the members for refrain the campus ragging free, as no case of ragging was reported to the Central Monitoring Committee. He also mentioned that today's news in News Paper that ragging cases were doubled in past all over the country.

2. In the Meeting, the discussions were made in details pertaining to features of the Regulations framed by the UGC and as directed by the Raghavan Committee constituted by the Hon'ble Supreme Court. The members discussed the following main points.

   a) Constitute of Anti Ragging & Anti Ragging squads, Monitoring Cell & Disciplinary Committee.

   b) Obtaining undertakings from Students & Parents.

OFFICE OF THE CENTRAL MONITORING COMMITTEE
JECRC Campus, Shri Ram Ki Nangal, Via-Sitapura, Near Sanganer Sadar Thana, Tonk Road, Jaipur-302022

c) Security in Campus & Busses.

d) Preparation and display of Posters in Campus, Mr. Anshul Mittal was asked to help in preparation of some effective display.

e) Duties & responsibilities of Hostel Wardens and coordinators particularly during the first quarter of the session.

f) Holding Meetings, Seminars, Joint sensitization programmes involving students, faculty, parents, guardians, District authorities.

g) Notices with telephone numbers of important persons to be used by students in case of ragging.

h) Identifying vulnerable places in the campus.

3. Dr. U.K. Pareek suggested that more alertness is required at recess period. Dr. Barkha Srivastava, Dr, Lokesh Bansal, Dr. Seema Joshi, Shri Atul Kulshreshtha, Shri Ashok Sharma-Warden, and Shri Malli Ram also gave suggestions to make the campus ragging free.

4. The Registrar informed the members that posters have already been displayed in the campus, committees have been formed, UGC's guidelines & Supreme Courts directions have been included in the prospectus & vulnerable places have been identified.

5. The Registrar also expressed his views to take precautions before misshaping with new-comers and stressed on the point that every staff member whether he/she included in Anti Ragging squad or not should take appropriate action if he/she finds any kind of harassment with junior students. Efforts should be made that not even a single case of ragging occurs in any circumstances. Vice Chairman Shri M.L. Sharma added that there should be in this context some extent of the balanced view approach should be adopted.

a) In hostels, the deputed faculties must render their duties especially in night shift sincerely and counsel both first year and senior class students.

OFFICE OF THE CENTRAL MONITORING COMMITTEE

JECRC Campus, Shri Ram Ki Nangal, Via-Sitapura, Near Sanganer Sadar Thana, Tonk Road, Jaipur-302022

b) At main gate, the security guard must maintain incoming and outgoing students register for new admitted students who avails hostel facility specially in the evening time.

6. All the discussions made in the meeting were taken as approved.

7. In the end Shri M.L.Sharma, Vice-Chairman, Anti-Ragging Committee thanked all the members for their active participation. In concluding remarks he stated that we have to be more vigilant particularly for the vulnerable positions, so identified, including Hostels and cafeteria. He further observed that for involvement of a student in ragging, we may punish him, but more important thing was to prevent such incidents.

8-8-18

Prof. (Dr.) A. Williamson
Registrar
Jaipur Engineering College and Research Centre

Copy to: -
1. Shri M.L. Sharma, Vice-Chairman
2. Shri Amit Agrawal, CMD,
3. Shri Arpit Agrawal, Director
4. Shri P.K. Tewari, Senior Advisor
5. Dr. V.K. Chandna, Principal
5. Registrar, JECRC, Jaipur
6. Shri P.K. Gupta, Chief Administrative Officer/Chief Warden

JECRC

Notice No-
Date – 27/07/2018

ANTI RAGGING ORGANISATION

Sh. O.P. Jain	**Chairman**
Sh. P.K. Tiwari	**Chief Mentor**
Prof. U. K. Pareek	**Chief Proctor**

A. Anti-ragging committee –

The team of staff members specified for a particular zone shall take regular rounds of zone and shall maintain complete vigilance for the prevention of ragging in the areas under their control. They will maintain regular report of their observations. Ragging incidents if any, shall be reported immediately to the under mentioned for further action at their following mobile numbers-

Prof. U.K. Pareek	Chief Proctor	9785506667
Sh. P.K. Gupta	C.A.O	9982682475
Prof. M. P. Singh	Proctor	9414203639

S. No.	Name	Phone No.	Zone	Control Area
1	**Sh. Gajendra Sharma (In-charge)** Sh. Amit Mithal Sh. Pradeep Sharma Sh. Vikas Sharma Sh. Veni Madhav Sharma Mr. Teekam Singh		A	Police station to college main gate Reporting time 8.00 AM
2	**Ms. Neelam Choudhary (In-charge)** Sh. Prahlad Sharma Ms. Geetika Gautam Sh. Ashish Ameria Sh. Arihant Jain		B	Main gate to cycle stand and porch
3	**Dr. Manish Srivastava (In-charge)** Sh. Kuldeep Sharma Sh. Rajendra Gupta Sh. Lalit Sharma Sh. Narendra Singh		C	Canteen, Café Block & D Block
4	**Sh. Ashok Sharma (In-charge)** Ms. Sanjay Devi Dr. Rajesh Sharma Ms. Yogita Panjabi		D	Hostel to Block-A
5	**Sh. S.S. Manaktala (In-charge)** Sh. Ram Singh Dr. Rajesh Sharma Sh. Honey Agarwal Sh. Sandeep K. Dotiya Sh. Ashish K. Kulshrestha		E	Hostels to B Block and Hostels to C Block
6	**Dr. Bhuvnesh Bhardwaj (In-charge)** Dr. Manish Srivastava Sh. Anil Jain Sh. Devendra Sharma Sh. Hemant Vashisth		F	Electrical & Electronics and Block B
7	**Ms. Manju Vyas (In-charge)** Ms. Shikha Maheshwari Ms. Richa Sharma Ms. Sarita Sh. Tovindra Kumar Sahu Sh. Sachin Gupta		G	Block -A

8	**Dr. Rajesh Bhatija (In-charge)** Sh. Ravi Kumar Jangir Sh. Aashish Nagpal Sh. Mangi Lal Ms. Ritu Vyas Sh. Hanuman Pd.		H	Playground & field, Canteen and around
9	**Ms. Sheela Soni (In-charge)** Ms. Neha Singh Ms. Sonali Chadha Ms. Parul Tyagi		I	Area near Girls Hostel
10	**Dr. Anita Jain (Incharge)** All other library staff		J	Library – 1
11	**Mr. Kamlesh Choudhary (In-charge)** Ms. Monika Sharma Mr. Amit Mittal Mr. Jitesh Kumar Jain All Library-3 staff (block C)		K	Block C - Basement Floor
12	**Dr. Rekha Mithal (In-charge)** Ms. Barkha Srivastava Ms. Sarita Poonia # Sh. Dilip Parjapta Sh. Jitendra Gupta		L	Block C – Ground Floor
13	**Dr. Seema Joshi (In-charge)** Dr. R.K. Mangal Dr. S. K. Dixit Dr. Tripti Gupta Dr. Poonam Gupta		M	Block C – First Floor
14	**Sh. Shiv Shankar Sharma (In-charge)** Dr. S. K. Singh Mr. Vishal Sagtani Ms. Rekha Vijay Sh. Piyush Gautam Dr. Sunil Srivastava		N	Block C – Second Floor
15	**Sh. Sunil Jangir (In-charge)** Ms. Kusum Yadav Mr. Naveen Kumar Kedia Sh. Manoj Pathak		O	Block C – Third Floor
16.	**Jitendra Sharma (In-charge)** Raj Kumar Jain Ashish Sharma Devesh Gupta	-	-	Near Shiv Temple, Tea Stall, outside the JECRC main gate.
17.	**Yogesh Dubey (In-charge)** Shrikant Bansal Abhay Bhatt Man Mohan	-	-	Block D

Notwithstanding the above, it is expected from all teaching faculty and other staff members that if they come across any incident of harassment of the new comers they shall intervene immediately and try to prevent RAGGING. The matter may also be brought to the notice of the above.

Notes:-

1. **Every faculty member should ensure proper handing over of the class to the next faculty member. He/ She should not leave the class without a proper supervision and presence of faculty member.**
2. **The nearest HOD of the area should ensure one of the faculty members of the area is always present in verandas to maintain discipline.**
3. **All institute staff should invariably wear their I-cards.**

The wardens of the hostels should ensure that all Ist semester students leave the hostels everyday by 8.25 AM positively and preferably in one group.

Anonymous random surveys have been planned in different zones. The proctors, mentors and others will also be meeting each section of Ist year classes at least once in a fortnight.

Anti-ragging Committee Session 2018-19

S.No	Name	Designation	Mobile No.
1.	Dr. U.K Pareek	Chief Protcter	09785506667
2.	Ms. Bhawana Sharma	Proctor	09214465405
3.	Mr. Anshul Mittal	Proctor	09772620462
4.	Ms. Shruti Kalra	Proctor	09414371413
5.	Dr. M.P Singh	Proctor	09414203639
6.	Dr. Anita Jain	Chief Librarian	09829230353
7.	Ms. Roopsi Singh	Warden Girls Hostel	08601436125
8.	Mr. Ravi Bhatnagar	Transport In charge	09024149459
9.	Sh. PK Gupta	Chief Warden/C.A.O	09982682475

Dr. A. Williamson, Registrar 08209270915

Principal

Copy to –

1. Vice Chairman, Director, All concerned
2. All HOD, Librarian A & C Block.
3. CAO/Chief Warden with a request to get the above notice circulated among all the staff members working under their control.

essage

ice Suptd. JECRC <os@jecrc.ac.in> Sat, Aug 18, 2018 at 3:49
hodcse <hod.cse@jecrc.ac.in>, HoD IT <hod.it@jecrc.ac.in>, hodme <hod.me@jecrc.ac.in>, Hodee
od.ee@jecrc.ac.in>, hodce <hod.ce@jecrc.ac.in>, hodchem <hod.chem@jecrc.ac.in>, hodmaths
d.maths@jecrc.ac.in>, hodeh <hod.eh@jecrc.ac.in>, hodphy <hod.phy@jecrc.ac.in>, hodece <hod.ece@jecrc.ac.i
"p.k. Gupta" <cao@jecrc.ac.in>, Registrar JECRC <registrar@jecrc.ac.in>, Principal JECRC
incipal@jecrcmail.com>, Librarian JECRC <librarian@jecrc.ac.in>, "U.K. Pareek" <ukpareek.math@jecrc.ac.in>

ear Sir/Madam,

lostel night duty from 21.08.2018 to 10.09.2018 is being enclosed for information and needful.

egards
mitabh Gupta

JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE

Circular No. 11
8.08.2018

-

-

CIRCULAR

ollowing faculty members will also perform the night duty from **8 PM to 9 AM** as per the date
entioned below. They will visit the hostel mess during this period and will take meal in th
espective hostel. They will report to Chief Hostel Warden -

Date	Day	Girl's Hostel	Boy's Hostel
21.08.2018	Tuesday	Ms. Shikha Maheshwari, CSE	Mr. Anoop Kumar Mehta, CSE Mr. Hetram Sharma, Civil
22.08.2018	Wednesday	Ms. Nida Khanam, Civil	Mr. Bhoopesh Kumawat, ECE Mr. Manish Pal,EE
23.08.2018	Thursday	Ms. Sonali Chadha, EE	Mr. Satyendra Kumar , ME Mr. Brijesh Kumar Singh, IT
24.08.2018	Friday	Ms. Ruchida Barman, E&H	Mr. Akhil Maheshwari, Civil Mr. Sachin Gupta, CSE
25.08.2018	Saturday	Ms. Deepika Bansal, IT	Mr. Shailendra Srivastava, EE Mr. Jitendra Kumar Sharma, ECE
26.08.2018	Sunday	Dr. Rekha Mithal, Chemistry	Mr. Ravi Yadav, ME Mr. Narendra Sipani, Civil
27.08.2018	Monday	Ms. Palak Jindal, ME	Mr. Pradeep Sharma, CSE Mr. Nikhil Jain, ME

mail.google.com/mail/u/0/?ui=2&ik=33998498f2&isver=TKereZPtSMY.en.&cbl=gmail_fe_180822.12_p2&view=pt&q=night%20duty&qs=tru...

28.08.2018	Tuesday	Ms. Geetika Gautam, CSE	Mr. Vikas Mishra, ECE Mr. Sunil Kumar Sharma, EE
29.08.2018	Wednesday	Dr. Vinita Mathur, ECE	Mr. Taj Bahadur Singh, ME Mr. Shashi Kant Singh, CSE
30.08.2018	Thursday	Dr. Sarita Poonia, Maths	Mr. Satya Prakash Saini, ME Mr. Prateek Kumar Sharma, Civil
31.08.2018	Friday	Ms. Yogita, ECE	Mr. Shailesh Arrawatia, CSE Mr. Ashish Boiradia, Civil
01.09.2018	Saturday	Ms. Richa Upadhyay, CSE	Mr. Pravin Kumar Sharma, CSE Dr. Sunil Kumar Srivastava, Maths
02.09.2018	Sunday	Ms. Rekha Vijay, Chemistry	Mr. Jitendra Gupta, ME Dr. Sanjay Gaur, CSE
03.09.2018	Monday	Ms. Shikha Srivastava, IT	Mr. Anil Jain, ECE Dr. Vishal Saxena, Maths
04.09.2018	Tuesday	Ms. Anima Sharma, CSE	Mr. Man Mohan Siddh, ME Mr. Sandeep Kumar Dotya, ECE
05.09.2018	Wednesday	Dr. Seema Joshi, Chemistry	Mr. Gajendra Sharma, CSE Mr. Tejendra Singh, ME
06.09.2018	Thursday	Ms. Parul Tyagi, ECE	Mr. Dayal Singh Rathore, ME Mr. Ashish Sharma, ECE
07.09.2018	Friday	Ms. Shweta Sharda, ECE	Dr. Mukul Kumar Sharma, E&H Mr. Nitin Chhabra,ME
08.09.2018	Saturday	Ms. Archana Vijayvergia, E&H	Mr. Shrikant Bansal, ME Mr. Honey Agarwal, ECE
09.09.2018	Sunday	Dr. Tripati Gupta, Maths	Mr. Ravi Kuamr Jangir, ME Mr. Veni Madhav Sharma, ECE
10.09.2018	Monday	Ms. Swati Vijay, IT	Mr. Yogesh Kumar Agarwal, Civil Mr. Devesh kumar, ME

All are required to submit their **report** in writing along with **Annexure A** to the Chief Hostel Warden next day. The CCL for the same shall be granted on the written recommendation of the CAO.

Principal

Copy to-

1. Vice –Chairman
2. Director
3. Chief Hostel Warden
4. All Programme Coordinator/HoD's – with a request to get the duty noted from all

ROLES & RESPONSIBILITIES CHART FOR NIGHT DUTY IN HOSTEL

S. NO.	FROM	TO	LOCATION OF DUTY	REPORTING TO	SIGNATURE OF WARDEN
1.	8 PM	9 PM	Presence in the Mess	Warden	-
2.	9 PM	10 PM	Presence in the Lawn by the Male faculty member & Quadrangles by the Female faculty member	Warden	-
3.	10 PM	11 PM	Hostel rooms visit	Warden	-
4.	11 PM	11.30 PM	Tea time		-
5.	11.30 PM	12.30 PM	Hostel rooms visit.	Warden	-
6.	12.30 AM		Rest	-	-
7.	3 AM	4 AM	Round of hostel and ground.	Warden	-
8.	8 AM	9 AM	Tea & Breakfast	-	-

Date: -

Signature of Faculty member

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
REPORT ON NIGHT DUTY

Dear Sir

Our night duty was scheduled on 3 August 2018 (Friday) to avoid ragging in (if any) Boys Hostel-I and Boys Hostel-II. We arrived at JECRC campus at 8 PM and reported to hostel warden Mr. Ashok Sharma. We stayed there overnight and visited both boys hostels BH-1 and BH-2 and nothing found suspicious. Also we talked to first year students, they don't have any issue till moment. They are enjoying their new phase of life. We instructed them to call/inform immediately to their respective hostel warden in case if they find anything uncomfortable.

Annexure -A

ROLES & RESPONSIBILITIES CHART FOR NIGHT DUTY IN HOSTEL

S. NO.	FROM	TO	LOCATION OF DUTY	REPORTING TO	SIGNATURE OF WARDEN
1.	8 PM	9 PM	Presence in the Mess	Warden	Ashwq
2.	9 PM	10 PM	Presence in the Lawn by the Male faculty member & Quadrangles by the Female faculty member	Warden	Ashwq
3.	10 PM	11 PM	Hostel rooms visit	Warden	Ashwq
4.	11 PM	11.30 PM	Tea time	—	—
5.	11.30 PM	12.30 PM	Hostel rooms visit.	Warden	Ashwq
6.	12.30 AM		Rest	—	—
7.	3 AM	4 AM	Round of hostel and ground.	Warden	Ashwq
8.	8 AM	9 AM	Tea & Breakfast	—	—

Date: - 3/8/18

Signature of Faculty member

1. Lalit Kumar Sharma
2. Piyush Gautam

8/8/2018 JECRC Mail - Fwd: Vigilance Duty of Faculty members in CSE Department

JECRC Mail

Anurakt Williamson Registrar <registrar@jecrc.ac.in>

Fwd: Vigilance Duty of Faculty members in CSE Department

1 message

Principal JECRC <principal@jecrc.ac.in> Wed, Aug 8, 2018 at 2:37 PM
To: Registrar JECRC <registrar@jecrc.ac.in>

---------- Forwarded message ----------
From: **HoD CS** <hod.cse@jecrc.ac.in>
Date: Wed, Aug 8, 2018 at 12:50 PM
Subject: Vigilance Duty of Faculty members in CSE Department
To: Geet Kalaniq <geetkalani.cse@jecrc.ac.in>, Amit Mithal <amitmithal.cse@jecrc.ac.in>, Pradeep Sharma <pradeepsharma.it@jecrc.ac.in>, "Dr.Sanjay Gaur" <sanjaygaur.cse@jecrc.ac.in>, Ashish Ameria <ashishameria.cse@jecrc.ac.in>, Gajendra Sharma <gajendrasharma.cse@jecrc.ac.in>
Cc: Manju Vyas <manjuvyas.cse@jecrc.ac.in>, Principal JECRC <principal@jecrc.ac.in>

Dear All,

Following faculty members are assigned vigilance duty around main gate and around the local shop areas. They must take round every day and ensure that no students are found sitting there.

1) Mr. Geet Kalani	Between 12::00-1:00 pm
2) Mr. Amit Mithal	Between 12::00-1:00 pm
3) Mr. Pradeep Sharma	Between 3:00-500 pm
4) Dr. Sanjay Gaur	Between 3:00-500 pm
5) Mr. Ashish ameria	Between 10- 11AM
6) Mr Gajendra Sharma	Between 9-10 AM

Any act of indiscipline found must be reported immediately.

Thanks and regards

Dr. Bhavna Sharma
Head, Department of Computer Science & Engineering
Jaipur Engineering College & Research Centre
Address: JECRC Campus, via Sitapura, Tonk Road, Jaipur-302022, Rajasthan, India

--
Warm Regards
Dr. Vinay Kumar Chandna,
B.E., M.E. Ph.D. (Electrical)
SM IEEE, LM ISTE, LMCSI
Principal,
Jaipur Engineering College and Research Centre (Jaipur),
Tonk Road, Jaipur
Past Treasurer PES Delhi Chapter,
Chair IEEE Education Society,
98914 06784 **(M)**

JECRC

Notice No-

Date – 31.07.2017

ANTI RAGGING ORGANISATION

Sh. O.P. Jain	**Chairman**
Sh. P.K. Tiwari	**Chief Mentor**
Prof. U. K. Pareek	**Chief Proctor**

A. Anti-ragging committee –

The team of staff members specified for a particular zone shall meet and devise an action plan to take regular rounds of zones and shall maintain complete vigilance for the prevention of ragging in the areas under heir control. They will maintain regular report of their observations. Ragging incidents if any, shall be reported immediately to the under mentioned for further action at their following mobile numbers-

Prof. U.K. Pareek	Chief Proctor	9785506667
Sh. P.K. Gupta	C.A.O	9982682475
Prof. M. P. Singh	Proctor	9414203639

S.No.	Name	Zone	Control Area
1	**Sh. Mukesh Agarwal** Sh. Amit Mithal Sh. Gajendra Sharma Sh. Udbhav Bhatnagar Sh. Pradeep Sharma Sh. Vikas Sharma	A	Police station to college main gate Reporting time 8.00 AM
2	**Ms. Neelam Chaplot** **Sh. Prahlad Sharma** Ms. Geetika Gautam Sh. Ashish Ameria Sh. Arihant Jain	B	Main gate to cycle stand and porch
3	**Dr. Manish Srivastava** **Sh. Kuldeep Sharma** Sh. Rajendra Gupta Sh. Lalit Sharma Sh. Narendra Singh	C	Canteen and Workshops (D and E Block)
4	**Sh. P.K. Gupta** **Sh. Ashok Sharma** **Ms. Raj Pareek** Dr. Rajesh Sharma	D	Hostel to Block-A

5	**Sh. S.S. Manaktala- Proctor** **Sh. Ram Singh** **Ms. Poonam Gupta** **Dr. Rajesh Sharma** Sh. Honey Agarwal Sh. Sandeep K. Dotiya Sh. Ashish K. Kulshrestha	E	Hostels to B Block and Hostels to C Block
6	**Sh. Shruti Kalra-Proctor** **Dr. Bhuvnesh Bhardwaj** **Dr. Manish Srivastava** ~~Ms. Shikha Gaur~~ Sh. Anil Jain Sh. Devendra Sharma Sh. Veni Madhav Sharma Sh. Hemant Vashisth Sh. Vishwas Verma	F	Electrical, Electronics and Mechanical .....
7	**Sh. R.S. Agarwal, Mentor** ~~**Sh. R.P. Jain**~~ **Dr. Anita Jain** Ms. Shikha Maheshwari Ms. Manju Vyas Ms. Richa Sharma Ms. Sarita Sh. Tovindra Kr. Sahu Sh. Aizaj Khan Sh. Sachin Gupta	G	Block -A
8	**Dr. Rajesh Sharma** **Dr. S.K. Dixit, Mentor** Sh. Ravi Kumar Jangir Sh. Aashish Nagpal Sh. Mangi Lal Ms. Ritu Vyas Sh. Hanuman Pd.	H	Play ground & field, Canteen and around
9	**Ms. Raj Pareek, Mentor** **Ms. Sheela Soni** ~~Ms. Suman Devi~~ Ms. Neha Singh Ms. Sonali Chadha Ms. Vinita Mathur Ms. Parul Tyagi	I	Area near Girls Hostel
10	**Dr. Anita Jain** All other library staff	J	Library – 1
11	**Mr. Kamlesh Choudhary** **Ms. Monika Sharma** **Mr. Amit Mittal** Mr. Jitesh Kumar Jain Mr. Rohit Singhal All Library-3 staff (block C)	K	Block C - Level – 1
12	**Dr. Rekha Mithal** **Prof. K.K. Agarwal** *Ms.* Barkha Srivastava Ms. Sarita Poonia Sh. Dilip Parjapta	L	Block C - Level – 2

	Sh. Jitendra Gupta		
13	**Dr. Seema Joshi- Proctor** **Dr. R.K. Mangal** **Dr. S. K. Dixit** **Dr. Tripti Gupta** **Dr. Poonam Gupta** **Ms. Yogita Panjabi**	M	Block C - Level – 3
14	**Sh. Shiv Shankar Sharma** **Sh. Manoj Pathak** Dr. S. K. Singh Mr. Vishal Sagtani Ms. Rekha Vijay Sh. Piyush Gautam Dr. Sunil Srivastava	N	Block C - Level – 4
15	**Sh. Sunil Jangir** Ms. Kusum Yadav Mr. Naveen Kumar Kedia Ms. Pallavi Singh	O	Block C - Level-5
16	**Sh. P.K. Gupta** **Sh. Manish Jain** **Sh. R.S. Agarwal & staff** **Sh. R.P. Jain & staff** **Dr. Umesh K. Pareek** Sh. Ashok Patni Sh. Ramesh Rawat	P	College & other areas, General assistance to the Principal
17.	**Rajesh Kumar Bathija** Raj Kumar Jain Ashish Sharma Devesh Gupta	-	Near Shiv Tample, Tea Stall, outside the JECRC main gate.
18.	**Atul Kulshrestha** Ashok Singh Chundawat Rahul Kumar Malee Shailendra Srivastava	-	Block D

* Names in bold letters are the incharges of their respective zones.

Notwithstanding the above, it is expected from all teaching faculty and other staff members that if they come across any incident of harassment of the new comers they shall intervene immediately and try to prevent RAGGING. The matter may also be brought to the notice of the above.

Notes:-

1. **Every faculty member should ensure proper handing over of the class to the next faculty member. He/She should not leave the class without a proper supervision and presence of faculty member.**
2. **The nearest HOD of the area should ensure one of the faculty members of the area is always present in varandas to maintain discipline.**
3. **All institute staff should invariably wear their I-cards.**

The wardens of the hostels should ensure that all the I semester students leave the hostels everyday by 8.25 AM positively and preferably in one group.

Anonymous random surveys have been planned where proctors and mentors and also other subject experts will be meeting each section of the I year classes atleast once in a fortnight. The random survey will be carried out in any of the randomly selected regular classes, so that the students are not aware of the forthcoming surveys.

B. Anti-ragging Committee Session 2017-18

S.No	Name	Designation	Mobile No.
1.	Dr. U.K Pareek	Chief Protcter	09785506667
2.	Ms. Neelam Chaplot	Proctor	09414396960
3.	Mr. Anshul Mittal	Proctor	09772620462
4.	Ms. Shruti Kalra	Proctor	09414371413
5.	Dr. M.P Singh	Proctor	09414203639
6.	Dr. Anita Jain	Chief Librarian	09829230353
7.	Ms. Raj Pareek	Warden Girls Hostel	09982682911
8.	Mr. Ravi Bhatnagar	Transport Incharge	09024149459
9.	Sh. PK Gupta	Chief Warden/C.A.O	09982682475

Sh. R.S. Agarwal, Registrar 09460117479

Principal July/17

Copy to –

1. Vice Chairman, Director, All concerned
2. All HoD,Librarian A & C Block.
3. CAO/Chief Warden with a request to get the above notice circulated among all the staff members working under their control.

Jaipur Engineering College and Research Centre

Anti Ragging Committee Session 2016-17

S.No	Name	Designation	Mobile No.
1.	Prof. Mukt Bihari	Chief Proctor	09982682915
2.	Aizaz Khan	Assistant Registrar	09982682906
3.	Dr. U.K Pareek	Dean 1st Year	09785506667
4.	S.S Manaktala	Proctor	09828089494
5.	Shiv Shankar Sharma	Proctor	09929860331
6.	Sh. Manish Jain	Proctor	09214699647
7.	Dr. Seema Joshi	Proctor	09251039861
8.	Ms. Shruti Kalra	Proctor	09414371413
9.	Dr. Anita Jain	Chief Librarian	09829230353
10.	Ms. Raj Pareek	Warden Girls Hostel	09982682911
11.	Sh. R.P. Jain	Office Supdt. & Transport Incharge	09636079550
12	Sh. PK Gupta	Chief Warden	09982682475

Please contact above members with regarding to above mentioned subject.

Registrar

Note: All Notice Board including Hostel Notice Board.

ANTI-RAGGING COMMITTEES FOR THE ACADEMIC YEAR 2016-2017

S.No.	Name of Member	Designation	Contact No.
1.	Prof. Mukt Bihari	Member	9982682915
2.	Shri O.P. Jain	Member	9413335550
3.	Ms. Shruti Kalra	Member	9414371413
4.	Shri P.K. Gupta	Member	9982682475
5.	Shri Manish Jain	Member	9214699647
6.	Ms. Raj Pareek	Member	9828118064
7.	Ms. Anita Jain	Member	9829230353
8.	Shri R.P. Jain	Member	9636079550

JECRC

Notice No. 11.....

Date. 28/07/16

ANTI RAGGING ORGANISATION

Sh. O.P. Jain	**Chairman**
Sh. P.K. Tiwari	**Chief Mentor**
Prof. Mukt Bihari	**Chief Proctor**

A. Anti-ragging committee –

The team of staff members specified for a particular zone shall meet and devise an action plan to take regular rounds of zones and shall maintain complete vigilance for the prevention of ragging in the areas under heir control. They will maintain regular report of their observations. Ragging incidents if any, shall be reported immediately to the under mentioned for further action at their following mobile numbers-

Prof. Mukt Bihari	Chief Proctor	9982682915
Sh. P.K. Gupta	C.A.O	9982682475
Prof. U.K. Pareek	Proctor	9785506667

S.No.	Name	Zone	Control Area
1	**Sh. Manish Jain – Proctor** **Sh. Mukesh Agarwal** Sh. Amit Mithal Sh. Gajendra Sharma Sh. Udbhav Bhatnagar Sh. Pradeep Sharma Sh. Vikas Sharma	A	Police station to college main gate Reporting time 8.00 AM
2	**Ms. Neelam Chaplot** **Sh. Prahlad Sharma** Ms. Geetika Gautam Sh. Anshul Mittal Sh. Arihant Jain	B	Main gate to cycle stand and porch
3	**Prof. Gobind Raj** **Sh. Kuldeep Sharma** Sh. Rajendra Gupta Sh. Lalit Sharma Sh. Narendra Singh	C	Canteen and Workshops (D and E Block)
4	**Sh. P.K. Gupta** **Sh. Ashok Sharma** **Ms. Raj Pareek** Dr. Rajesh Sharma	D	Hostel to Block-A

5	**Sh. S.S. Manaktala- Proctor** **Sh. Ram Singh** **Ms. Poonam Gupta** **Dr. Rajesh Sharma** Sh. Honey Agarwal Sh. Sandeep K. Dotiya Sh. Ashish K. Kulshrestha	E	Hostels to B Block and Hostels to C Block
6	**Sh. Shruti Kalra-Proctor** **Prof. R. Gobind Raj** **Prof. R.O. Rustagi** Ms. Shikha Gaur Sh. Anil Jain Sh. Devendra Sharma Sh. Veni Madhav Sharma Sh. Hemant Vashisth Sh. Vishwas Verma	F	Electrical, Electronics and Mechanical .....
7	**Sh. R.S. Agarwal, Mentor** **Sh. R.P. Jain** **Dr. Anita Jain** Ms. Shikha Maheshwari Ms. Manju Vyas Ms. Richa Sharma Ms. Anima Sharma Sh. Tovindra Kr. Sahu Sh. Aizaj Khan Sh. Sachin Gupta Sh. ABL Mathur	G	Block -A
8	**Dr. Rajesh Sharma** **Dr. S.K. Dixit, Mentor** Sh. Ravi Kumar Jangir Sh. Aashish Nagpal Sh. Mangi Lal Ms. Ritu Vyas Sh. Hanuman Pd.	H	Play ground & field, Canteen and around
9	**Ms. Raj Pareek, Mentor** **Ms. Sheela Soni** Ms. Suman Devi Ms. Neha Singh Ms. Sonali Chadha Ms. Vinita Mathur Ms. Parul Tyagi	I	Area near Girls Hostel
10	**Dr. Anita Jain** All other library staff	J	Library – 1
11	**Ms. Anjana Poonia** **Prof. S.K. Sur** **Prof. S.K. Saxena** Sh. Kartik Chawala Sh. Sumit Saini All Library-3 staff (block C)	K	Block C - Level – 1
12	**Dr. Rekha Mithal** **Prof. M.L. Rawat** **Prof. K.K. Agarwal** *Ms.* Barkha Srivastava	L	Block C - Level – 2

	Ms. Sarita Poonia Sh. Rajendra Sen Sh. Dilip Parjapta Sh. Jitendra Gupta Sh. Mount Malik		
13	**Dr. Seema Joshi- Proctor** **Dr. R.K. Mangal** **Dr. Urmila Gupta** **Ms. Priyanka Verma** **Dr. Poonam Hariyani** **Sh.Shivani Agrawal**	M	Block C - Level – 3
14	**Sh. Shiv Shankar Sharma** **Sh. Manoj Pathak** Dr. Ankush Dr. Savita Sangwan Ms. Rekha Vijay Sh. Piyush Gautam Sh. Kanishk Jain Sh. Neha Jain	N	Block C - Level – 4
15	**Sh. Sunil Jangir** Ms. Kusum Yadav Sh. Swati Vijay Ms. Neha Jain	O	Block C - Level-5
16	**Sh. P.K. Gupta** **Sh. Manish Jain** **Sh. R.S. Agarwal & staff** **Sh. R.P. Jain & staff** **Dr. Umesh K. Pareek** Sh. Ashok Patni Sh. Ramesh Rawat	P	College & other areas, General assistance to the Principal
17.	**Rajesh Kumar Bathiya** Raj Kumar Jain Ashish Sharma Devesh Gupta	-	Near Shiv Tample, outside the JECRC main gate.
18.	**Atul Kulshrestha** Ashok Singh Chundawat Rahul Kumar Malee Shailendra Srivastava	-	Block D

* Names in bold letters are the incharges of their respective zones.

ction to be taken to curb ragging during the session 2015-16

Inbox x

2:31 PM (37 minutes ago)

Principal JECRC

to vc, Arpit, opjain, pktiwari, cao, hod.cse, hodece, HoD, Hodee, hodme, hodce, suchintyasur.ce, ranjeetpandey.., jyotithanvi.ma., hodmaths, hodeh, hodchem, hodphy, ruchimathur.ma., rekhamithal.ch., Saritapoonia.m., rajendrasen.ch., me, librarian, jyotithanvi_28

Jaipur Engineering College & Research Centre

From : Principal Office	To : All Programme Coordinators

Noting Reference No. JECRC/01/2015-16/09 22/07/2015

Sub.: Action to be taken to curb ragging during the session 2015-16

As you are aware that II,III and IV year classes are already started and the I year classes are commencing from August 6, 2015. Therefore you along with your colleagues are requested to make it convenient to attend the meeting in the auditorium on Wednesday the 29th of July, 2015 at 3:15 PM. You are also requested to come prepare with the following agenda items –

ACTION TO BE TAKEN TO CURB RAGGING SESSION 2015-2016

1. Notice explaining as to what constitutes ragging are to be put up on the Notice Board.
2. Notice for prohibition & prevention of ragging is to be displayed.
3. Declarations from student & parents are to be obtained.
4. Meetings with Hostel Wardens, student representatives, parents/guardian, faculty & district administration are to be held.
5. Multi color posters of big size for promotion of law and nature of punishment for involvement in ragging is to be displayed at conspicuous places.
6. Vulnerable position in the campus are to be identified.

7. Induction programme is to be planned.
8. Printed leaflet to be handed over to the students containing contact Nos of persons to be informed in case of ragging takes place and also informing about the calendar of events, including induction.
9. List of contact nos to be displayed inside each bus.
10. Joint sensitization programme of freshers and seniors to be planned and organized.
11. Letters to the parents of first year completing students are to be sent informing about the law regarding ragging and punishments.
12. Monitoring cell is to be formed.
13. Individual meeting with the freshers for psychological counseling is to be planned/held.
14. Anonymous random survey across 1st year batch freshers every fortnightly is to be planned for the first 3 months of the session.
15. Meeting with faculty and non-teaching staff to be held to apprise them of about their responsibility towards curbing the menace of ragging.
16. Anti ragging committee and Anti ragging squad, to be formed and information about their constitution to be given to the Central Monitoring Committee.
17. An appropriate committee to monitor, promote and regulate healthy interaction between freshers and senior students, to be formed institution wise.
18. Posters informing that the burden of proof shall be on the preparator of ragging and not on the victim to be displayed.
19. Posters acknowledging non-involvement of seniors in the past to be displayed.
20. Seminar/Meeting with district authorities to promote the feeling of ragging free campus to be planned and held.
21. Admission brochure to contain the directions of Hon'ble Supreme Court and the UGC.
22. Hostel Wardens to obtain declarations from the students and their parents duly signed & verified.
23. Websites of the institutions to contain the directions of the Supreme Court and UGC regarding ragging.
24. Tight security in the campus to be planned and executed.
25. Advertisement for admission to clearly mention that ragging is totally banned in the Institution.
26. The school leaving certificate/TC/MC and character certificate shall contain, report about the behavioural pattern of the students.
27. Hostel wardens to have mobile phones to be accessible at all hours.
28. For the initial period of 3 months, from the date of start of the college, hostellers should not be allowed to move out from the hostel between 8.30 pm to 5.00 am.
29. Disciplinary committees to be formed.
30. Audio-visual aids, counseling session, workshops, Painting, design competitions may be organized.
31. Services of Shri P.K. Tiwari, Senior Advisor and retired Director General Police should be utilized to make the students understand the repercussions of their involvement in

ragging. For this purpose, class wise programmes may be chalked out in consultation with Shri P.K. Tiwari, Senior Advisor, and thereafter, action may be taken accordingly.

32. Each & Every HOD to hold meetings with their Department and impress upon the faculty and staff that, curbing the menace of ragging, was the duty of each Individual being a member of the Institute.

PRINCIPAL

Copy to –

1. Vice Chairman
2. Director
3. Sr. Advisors
4. All Programme Coordinators
5. Chief Hostel Warden, CAO, Librarian
6. Registrar, OS – As discussed, submit the report on Monday i.e. on July 27, 2015

JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Dear Students,

1. We welcome and congratulate you for seeking admission in this college. It is a fact that in this transitional phase you have left your school life and probably homely environment and would be entering into a new phase. Therefore, we would be more than willing to help you solving problems/difficulties, if any faced by you as a fresher and would extend all the necessary help.

2. To overcome the menace of ragging, college, administration has already made plans for FRESHERS' inducationa and orientation, which promote efficient and effective means of integrating. These planse will be communicated to you by the office shortly.

3. Besides, we all would ensure that ugly scar of ragging is obliterated from the face of all educational institutions. Here, we would like to inform you that you may turn up to the following persons in case of any help/guidance in the most unlikely event of the so-called ragging.

S.No.	Name	Designation	Mobile Number
1.	Dr. UK Pareek	Chief Proctor	9785506667
2.	Ms. Ruchi Mathur	Proctor	9828159024
3.	Mr. Anshul Mittal	Proctor	9772620462
4.	Ms. Shruti Kalra	Proctor	9414371413
5.	Dr. M. P. Singh	Proctor	9414203639
6.	Dr. Anita Jain	Chief Librarian	9829230353
7.	Ms. Sanjay Raghav	Warden Girls Hostel	9982603534
8.	Mr. Ravi Bhatnagar	Transport Incharge	9024149459
9.	Sh. PK Gupta	Chief Warden/CAO	9982682475
10.	Sh. Ashok Sharma	Warden Boys Hostel	9982682914

4. You are instructed that you should desist form doing anything against your will even if required by the seniors and should not have any fear, as the institution cares for you and shall not tolerate any mischief against any student.

5. You are requested not to hesitate in seeking any help and guidance and to report any incidents of harassment, teasing etc., either as victim or even as a witness.

May I add that your college has always been ragging-free.

Wishing you a bright future in the college.

July 2015

Principal

WOMEN CELL

2015-2016

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE,
(SHRI RAM KI NANGAL, VIA SITAPURA RIICO, OPP.EPIP GATE, TONK ROAD, JAIPUR-302022

Women Cell

In accordance with the directives from AICTE New Delhi and RTU Kota, the existing Women cell for safe and secure working environments for girls and Women at JECRC Campus is hereby re-constituted as follows with immediate effect.

S.NO.	NAME	POST	MOBILE NO.
1`	Dr. Seema Joshi	Chairperson	9413689436
2	Dr. Anita Jain	Secretary	9829230353
3	Ms.Neelam Chaplot	Member	9414396960
4	Dr.Urmila Gupta	Member	9772524494
5	Dr.Umesh Pareek	Member	9785506667
6	Smt. Raj Pareek	Member	9982682911
7	Ms. Ritu Vyas	Member	9462213444

The Chairperson is requested to convene frequent meetings with Women staff and girl students and communicate any complaints and action taken thereon to the Vice-Chairman, the Director, The Principal and also the Registrar for onward transmission to the RTU, if necessary.

The Chairperson may also communicate the essence of any meetings held with the Government agencies, NGOs etc.

Principal

10.1.4. Delegation of financial powers

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPMENT, JAIPUR.

10-10-2015

Delegation of powers to the various authorities

The Chairman, JECRC Foundation, and the National Society for Engineering Research and Development, has directed me to convey the delegation of powers to the various authorities working in the NSERD promoted institutions. Our Esteemed Chairman is of the view that the College Principal and the Registrar should have adequate powers so that they are in a position to comply with the requirements of the regulatory and supervising bodies, and conduct day-to-day affairs in a positive and peaceful manner, under their own authority and signatures.

With a view to ensuring smooth and unambiguous functioning of the colleges, viz., Jaipur Engineering College And Research Centre, as also JECRC UDML College of Engineering, the delegated powers / authority are detailed hereunder:

Designated Authority	Powers delegated
a) Principal	i) As Head of the Institution, he shall exercise his authority for institution building. He will act as Competent Authority for all Faculty Members and Officer staff and be responsible for overall human resource management, their appointment, utilization, retrenchment, termination, disciplinary action, etc. He will exercise signing powers as Competent Authority. ii) He will act as superintendent and guide for all items of work related to AICTE, RTU (Affiliating University), UGC, MHRD, Technical Education Department GOR, State Level Fees Determination Committee, and other regulatory or higher bodies. iii) Establish a climate in which faculty members and the students can develop self-discipline, and promote research. iv) To formulate the Budget and assess the infrastructural and other requirements well in advance and get the same approved from the Secretary, NSERD before execution. v) Impress amount of Rs. 1,00,000/- (Rs. One Lakh Only) is also delegated for routine exercise.
b) Registrar	a) He shall act Competent Authority for all office and sub-staff, and exercise signing powers as competent authority for their appointment, utilization, retrenchment, termination, disciplinary action, etc. b) He shall act as **Compliance Officer** to fulfill the regulatory guidelines etc. of AICTE, RTU (Affiliating University), UGC, MHRD, Technical Education Department GOR, State Level Fees Determination Committee, and other regulatory or higher bodies. He shall act as

Chairman: Overall Incharge of the College

Principal: responsible for faculty development and research activities; smooth functioning of the institute.

Program Coordinators / HODs: Are responsible for administration and academic activities of their program / departments.

Dean I Year: is responsible for administration and academic activities related to I year.

Dean II Shift: is responsible for administration and academic activities related to II shift.

Maintenance Incharge: is responsible for maintenance related issues in the campus.

T & P Officer: is responsible for Training and placement related activities in the Campus.

Registrar: Deals with admissions, registration and results of students and all other issues related to students and the Rajasthan Technical University.

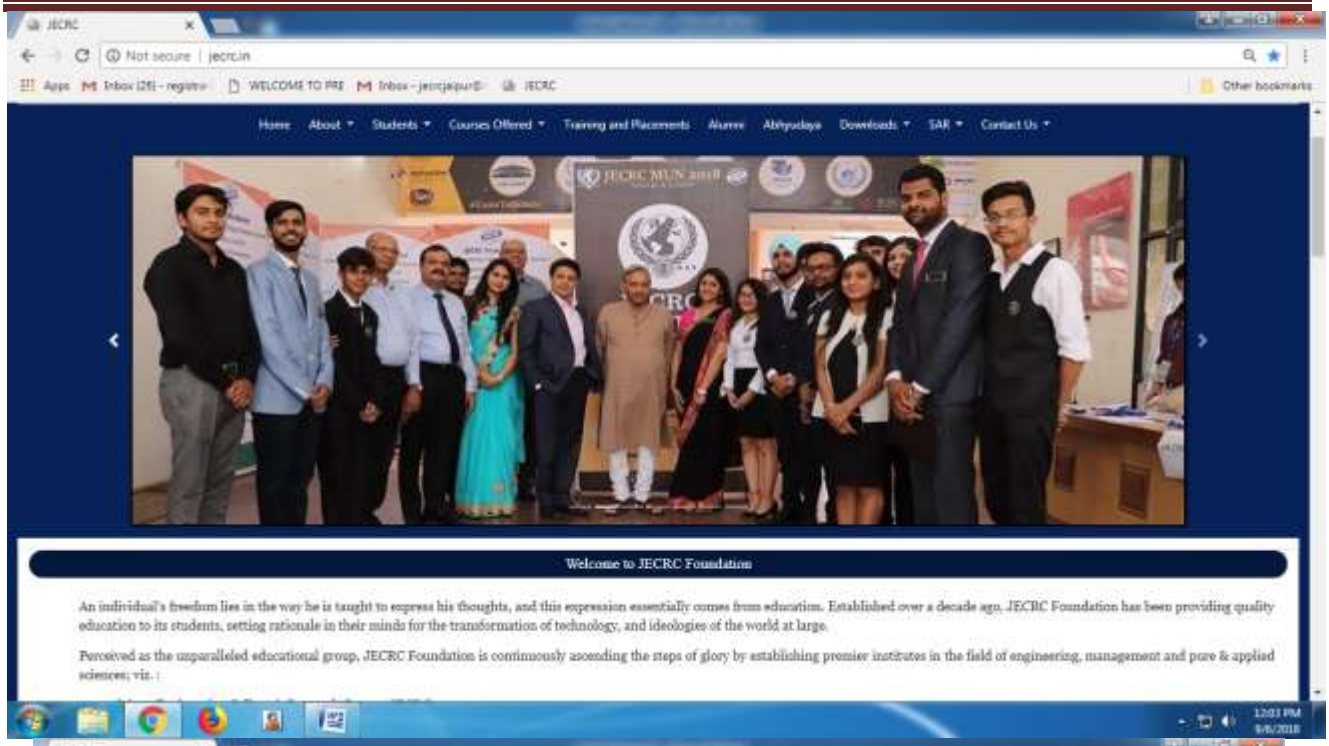
Accounts: All issues related to student fees, budget and payment.

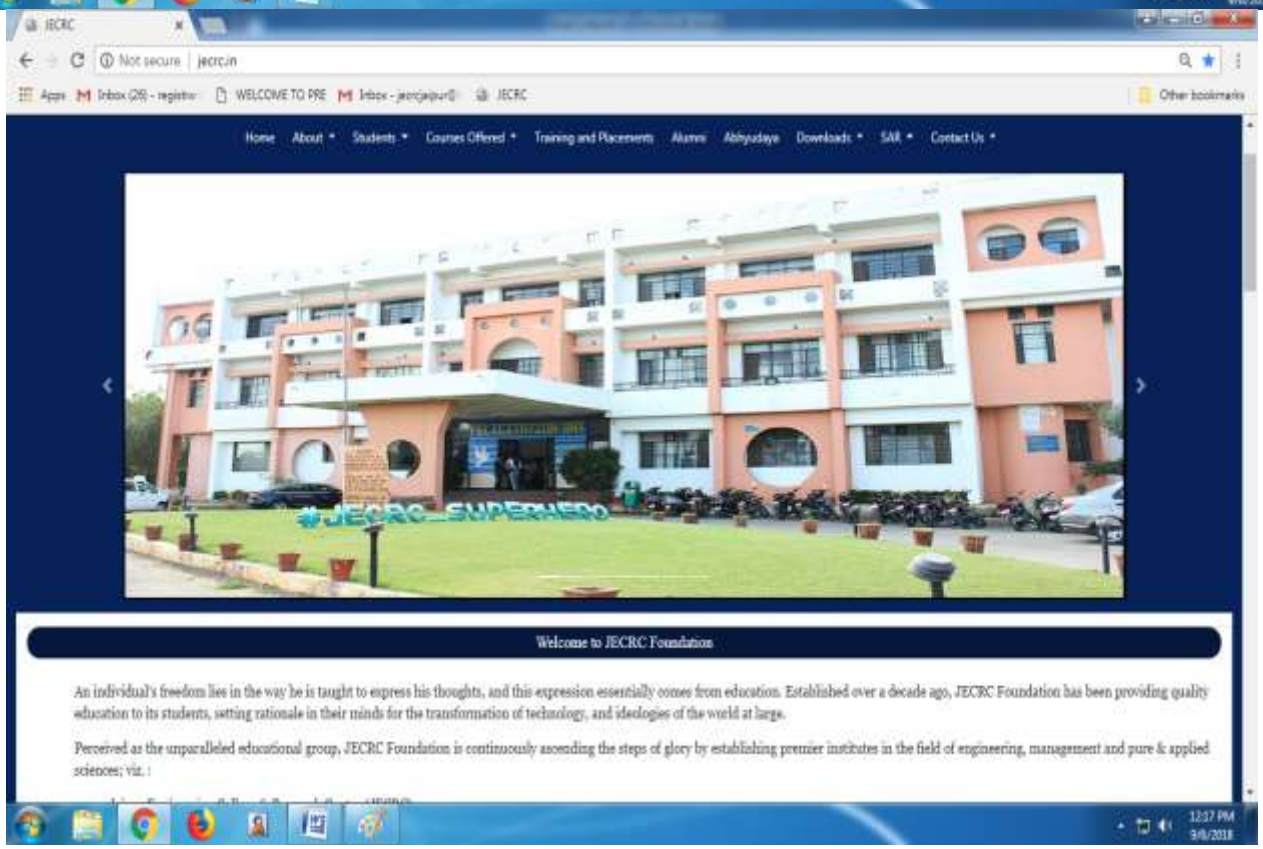
Establishment: Deals with all issues related to staff recruitment, increements, promotions, provident fund, gratuity and salary bills etc.

Financial Power Deligation to the Program Coordinators/HODs – impress amount of Rs. 10,000/- is sanctioned to the all Program Coordinators/HODs and on submission of accout further amount is dispursed.

10.1.5. Transparency and availability of correct/unambiguous information in public Domain
All Information's are available at College Website, Students Broachers, and Liberty etc.

Jaipur Engineering Colle
JECRC-Brochure-2018.pd
(2,287 unread) - dr_awil
Not secure | jecrcfoundation.com/pdf/JECRC-Brochure-2018.pdf
Apps
dr_awilliam@yahoo
Prof.(Dr.) Anurakt Wi
Recently Liked Quot
| Read Collection | Re
Prof (Dr) Anurakt Wi
PoemHunter.com Po
Other bookmarks
Principal's Message
Jaipur Engineering College and Research Centre (JECRC) Jaipur is recognized as one of the best technical institute in the Rajasthan, and is adopting the process of change that demands quality outcome based education. The vision of the institute is to become an institute of excellence in imparting outcome based education, providing facilities to the students to get placement in reputed companies, providing a platform to the students for overall self-development that includes ethics and moral values, while developing research aptitude through project based learning.
In the process of implementing Outcome Based Education (OBE), the faculty members are measuring the progress and competencies of students as they go through a course in each semester and are being assessed against pre-defined targets.
Engineers are the wealth of the nation and excellence in all disciplines is the present requirement of the country, for sustained economic growth to compete globally. Nearly seventeen years ago, the founders of JECRC embarked on a journey to educate and nurture the finest engineers. It gives me immense pleasure to share that JECRC is contributing to the growth of the nation by providing outcome based education to their students and nurturing them to compete at a global level.
The faculty and technical staff members are committed to cater professional as well as research driven project based learning to the students, and accordingly the teaching/learning process is tuned so as to fulfill their career growth in the prevalent emerging technology. Different programmes have resulted in overall growth and penetration of students in varied dimensions, be it research, innovation, entrepreneurs, educationists or even as sports person and bureaucrats etc.
With the support of qualified, dedicated and hardworking faculty, the institute has achieved enviable ranking in a short span. There is no doubts that with this pace, the institute will relentlessly march ahead of other eminent institutes of the national level. Let's give our best and make this institute a modern temple of outcome based learning through our diligence, devotion and dedication.
All the credit goes to the outstanding reputation and dedication of the institute for all these years, under the able guidance of visionary Shri Amit Agrawal and Shri Arpit Agrawal, Directors of the JECRC Foundation.
Wishing you all the best!
Dr. Vinay Kumar Chandna, Principal
B.E., M.E., Ph.D. (D.C.E.)
Sr. Member IEEE, URSTE
MIEEE Education Society
Vision
To become a renowned centre of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.
Mission
Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.
Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide a platform to gain knowledge and solutions.
Offer opportunities for interaction between academia and the industry.
Develop human potential to its full potential so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.
JECRC FOUNDATION
22:44
02-09-2018


Not secure | jecrc.in
Home About Students Courses Offered Training and Placements Alumni Abhyudaya Downloads SAR Contact Us
Welcome to JECRC Foundation
An individual's freedom lies in the way he is taught to express his thoughts, and this expression essentially comes from education. Established over a decade ago, JECRC Foundation has been providing quality education to its students, setting rationale in their minds for the transformation of technology, and ideologies of the world at large.
Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :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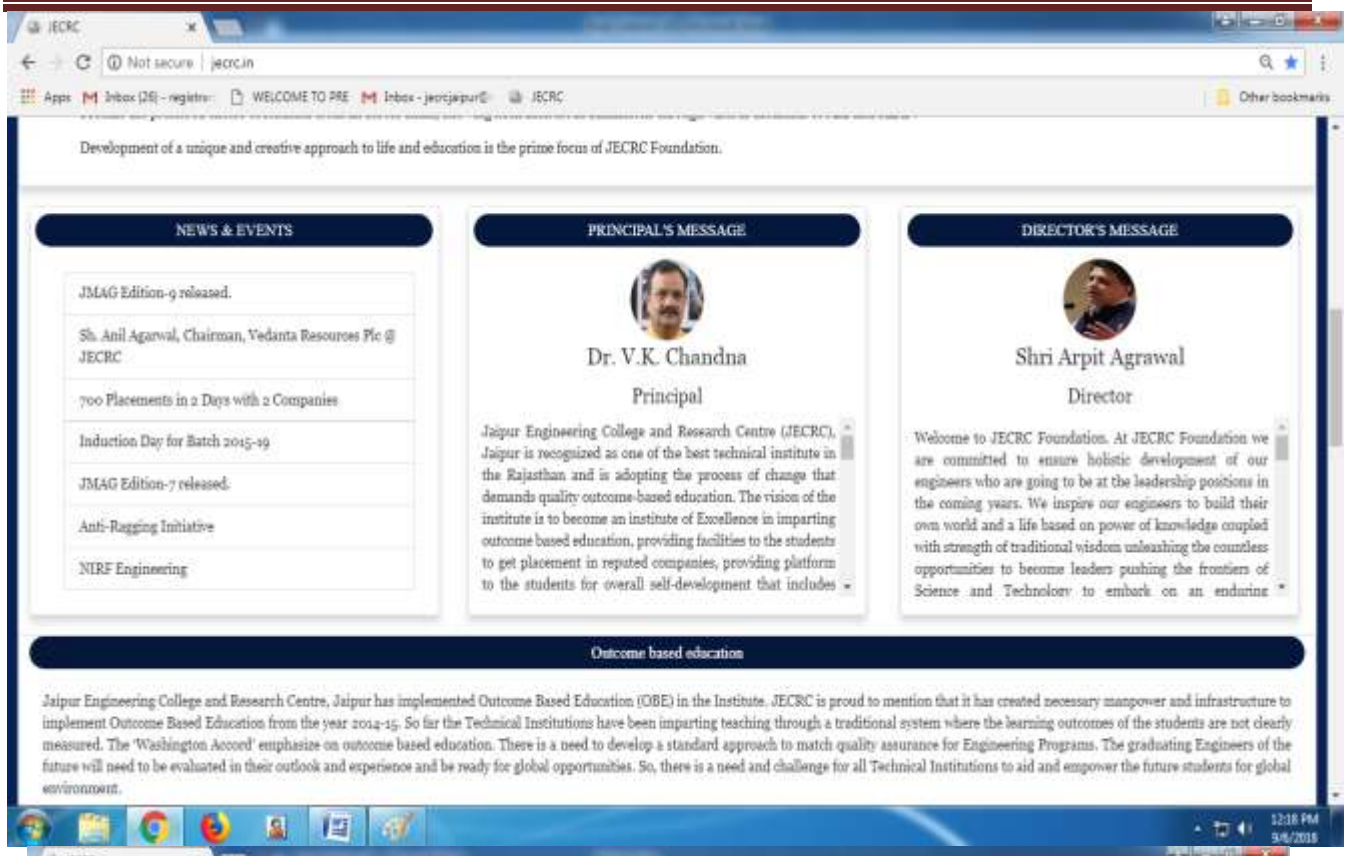
Home About Students Courses Offered Training and Placements Alumni Abhyudaya Downloads SAR Contact Us
#JECRC_SUPERHERO
Welcome to JECRC Foundation
An individual's freedom lies in the way he is taught to express his thoughts, and this expression essentially comes from education. Established over a decade ago, JECRC Foundation has been providing quality education to its students, setting rationale in their minds for the transformation of technology, and ideologies of the world at large.
Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :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jecrc.in
Development of a unique and creative approach to life and education is the prime focus of JECRC Foundation.
NEWS & EVENTS
JMAG Edition-9 released.
Sh. Anil Agarwal, Chairman, Vedanta Resources Plc @ JECRC
700 Placements in 2 Days with 2 Companies
Induction Day for Batch 2015-19
JMAG Edition-7 released.
Anti-Ragging Initiative
NIRF Engineering
PRINCIPAL'S MESSAGE
Dr. V.K. Chandna
Principal
Jaipur Engineering College and Research Centre (JECRC), Jaipur is recognized as one of the best technical institute in the Rajasthan and is adopting the process of change that demands quality outcome-based education. The vision of the institute is to become an institute of Excellence in imparting outcome based education, providing facilities to the students to get placement in reputed companies, providing platform to the students for overall self-development that includes
DIRECTOR'S MESSAGE
Shri Arpit Agrawal
Director
Welcome to JECRC Foundation. At JECRC Foundation we are committed to ensure holistic development of our engineers who are going to be at the leadership positions in the coming years. We inspire our engineers to build their own world and a life based on power of knowledge coupled with strength of traditional wisdom unleashing the countless opportunities to become leaders pushing the frontiers of Science and Technology to embark on an enduring
Outcome based education
Jaipur Engineering College and Research Centre, Jaipur has implemented Outcome Based Education (OBE) in the Institute. JECRC is proud to mention that it has created necessary manpower and infrastructure to implement Outcome Based Education from the year 2014-15. So far the Technical Institutions have been imparting teaching through a traditional system where the learning outcomes of the students are not clearly measured. The 'Washington Accord' emphasize on outcome based education. There is a need to develop a standard approach to match quality assurance for Engineering Programs. The graduating Engineers of the future will need to be evaluated in their outlook and experience and be ready for global opportunities. So, there is a need and challenge for all Technical Institutions to aid and empower the future students for global environment.

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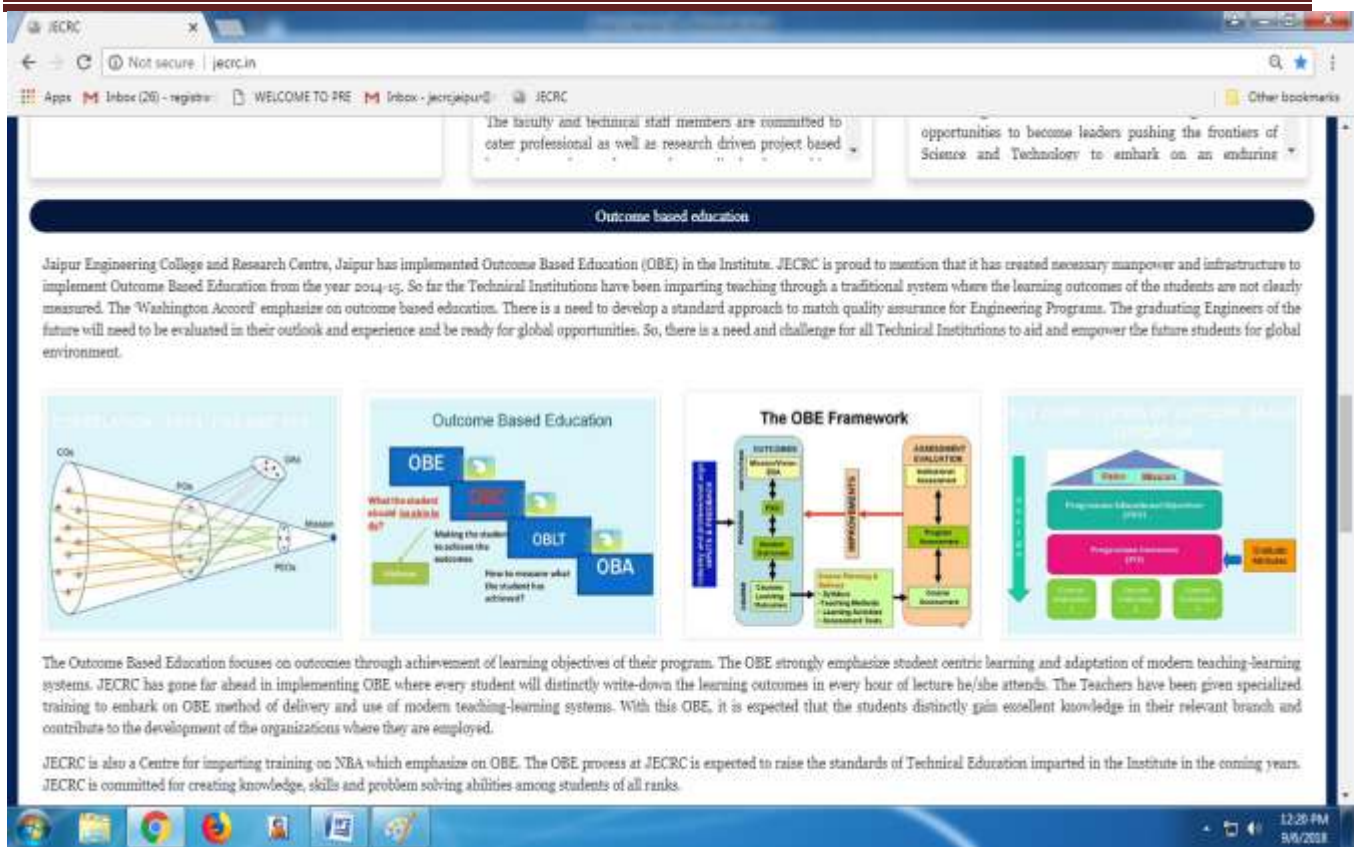
Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :
Jaipur Engineering College & Research Centre (JECRC)
JECRC University
Every year, more than 5000 students entrust JECRC Foundation with the responsibility of shaping their minds for a better future. Commanding the priority list of best engineering colleges in Jaipur, it has become the preferred choice of students from all across India, showing keen interest in admissions through various mediums of JEE and REAP.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Apps
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The faculty and technical staff members are committed to cater professional as well as research driven project based
opportunities to become leaders pushing the frontiers of Science and Technology to embark on an enduring
Outcome based education
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Outcome Based Education
OBE
OBLT
OBA
The OBE Framework
The Outcome Based Education focuses on outcomes through achievement of learning objectives of their program. The OBE strongly emphasize student centric learning and adaptation of modern teaching-learning systems. JECRC has gone far ahead in implementing OBE where every student will distinctly write-down the learning outcomes in every hour of lecture he/she attends. The Teachers have been given specialized training to embark on OBE method of delivery and use of modern teaching-learning systems. With this OBE, it is expected that the students distinctly gain excellent knowledge in their relevant branch and contribute to the development of the organizations where they are employed.
JECRC is also a Centre for imparting training on NBA which emphasize on OBE. The OBE process at JECRC is expected to raise the standards of Technical Education imparted in the Institute in the coming years. JECRC is committed for creating knowledge, skills and problem solving abilities among students of all ranks.

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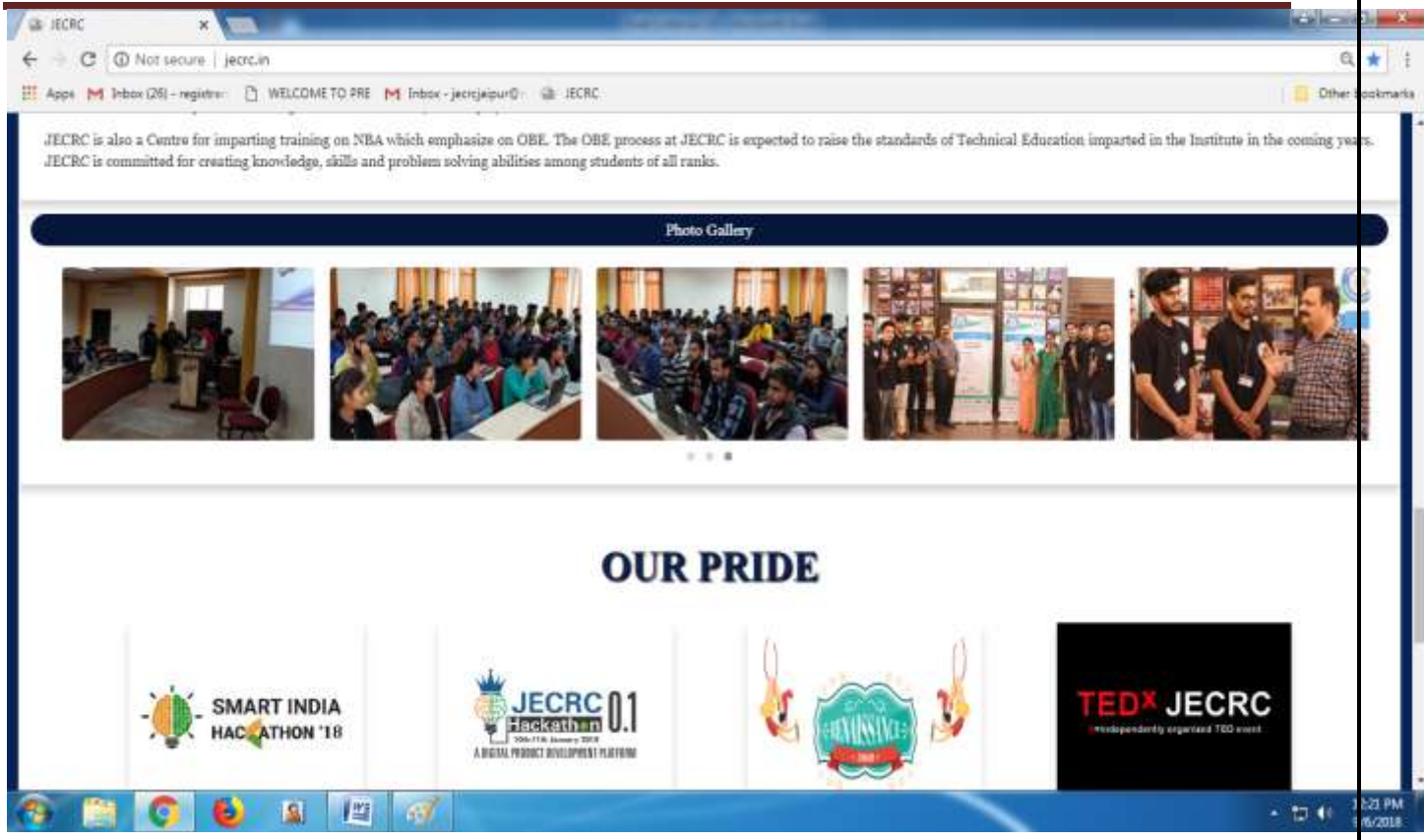
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Photo Gallery
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SMART INDIA HACKATHON '18
JECRC Hackathon 0.1
TEDx JECRC

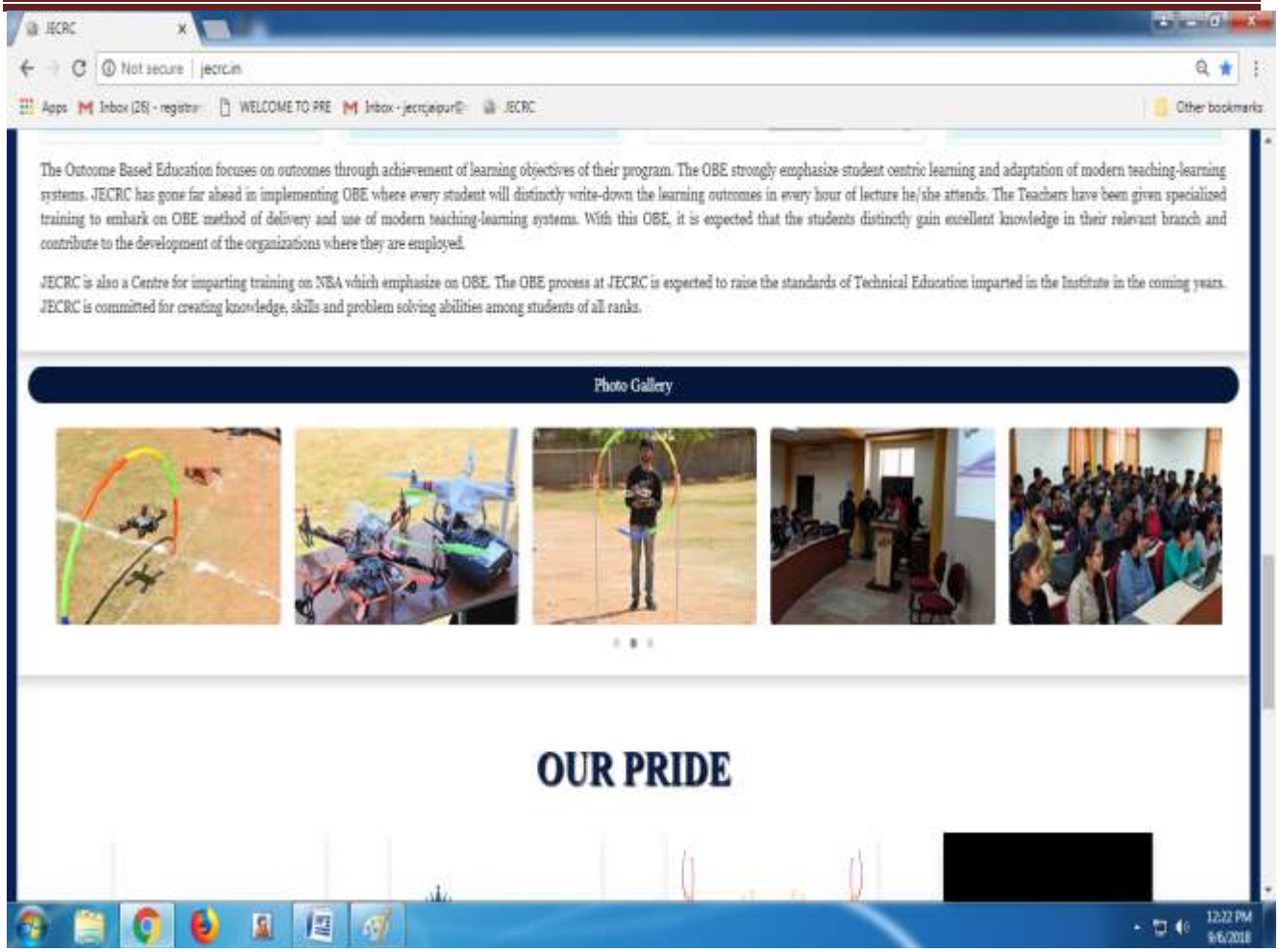
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Photo Gallery
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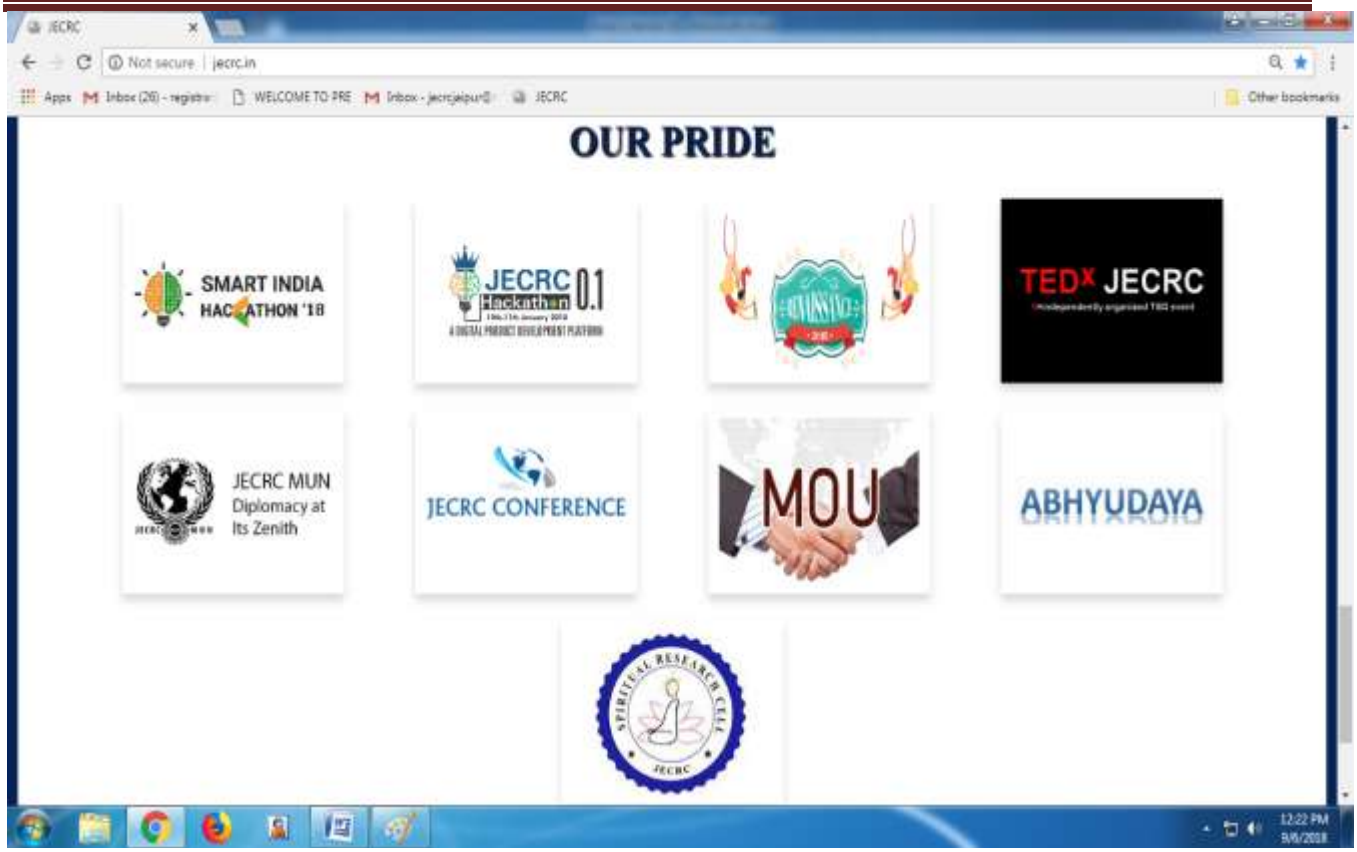
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JECRC MUN
Diplomacy at Its Zenith
JECRC CONFERENCE
MOU
ABHYUDAYA
SPIRITUAL RESEARCH CELL
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Jaipur Engineering College And Research Centre
Approved by AICTE & Affiliated to Rajasthan Technical University, Kota (REAP CODE: 020)
Shri Ram ki Nangal, via Sitapura RIICO, Tonk Road, Sukhpuria, Bambala, Jaipur, Rajasthan 302022
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Courses Offered
Training and Placements
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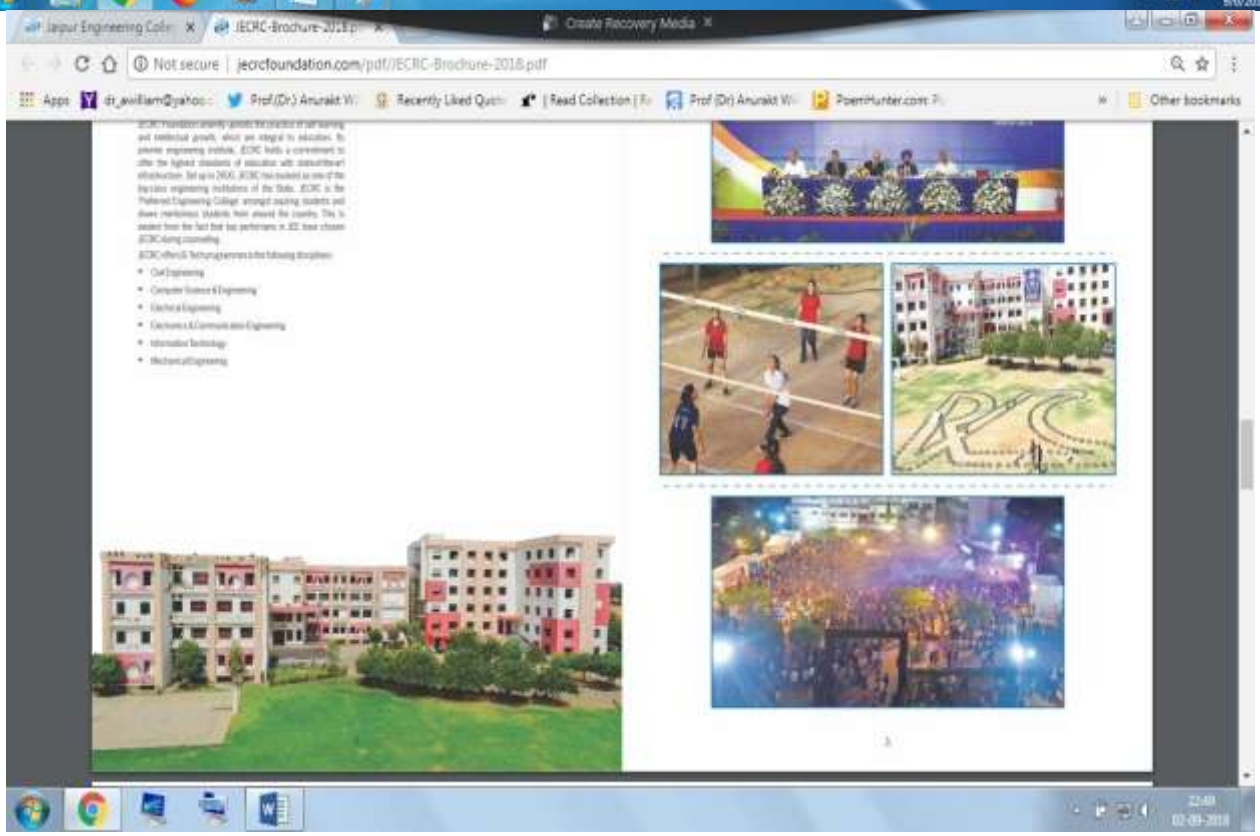
Bonafide Form
Welcome to JECRC Foundation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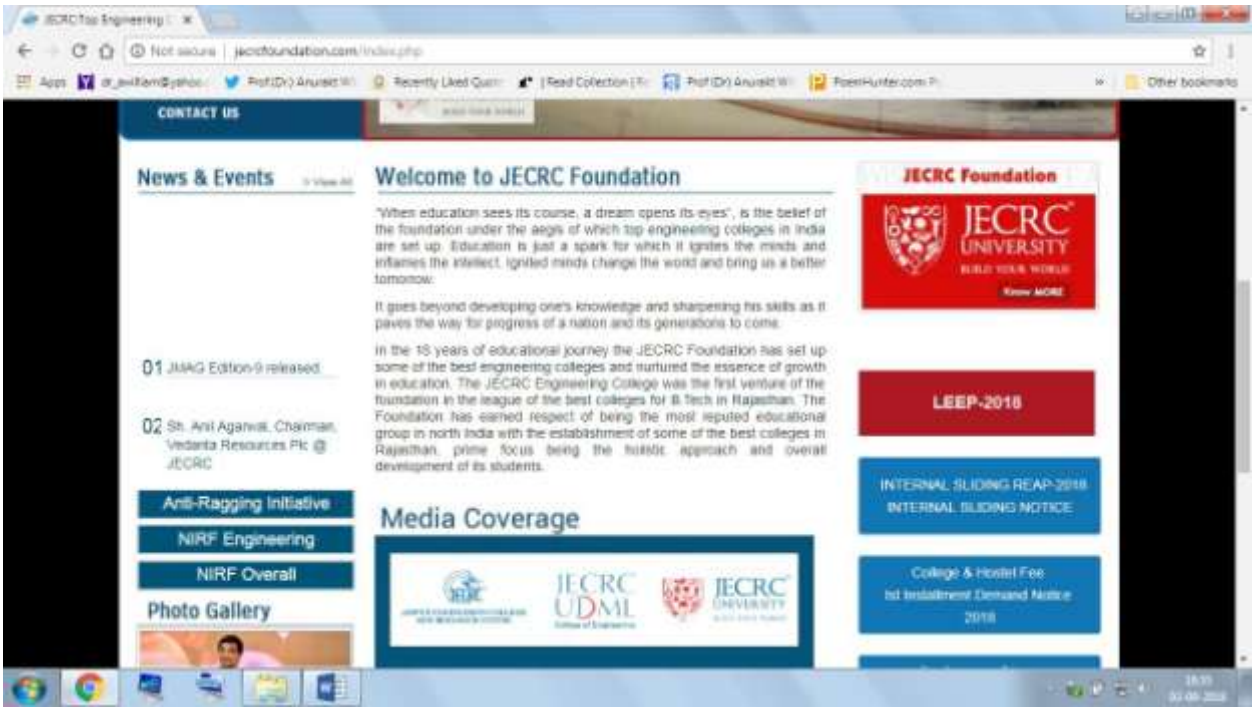
CONTACT US
News & Events
Welcome to JECRC Foundation
"When education sees its course, a dream opens its eyes", is the belief of the foundation under the aegis of which top engineering colleges in India are set up. Education is just a spark for which it ignites the minds and inflames the intellect. Ignited minds change the world and bring us a better tomorrow.
It goes beyond developing one's knowledge and sharpening his skills as it paves the way for progress of a nation and its generations to come.
In the 16 years of educational journey the JECRC Foundation has set up some of the best engineering colleges and nurtured the essence of growth in education. The JECRC Engineering College was the first venture of the foundation in the league of the best colleges for B.Tech in Rajasthan. The Foundation has earned respect of being the most reputed educational group in north India with the establishment of some of the best colleges in Rajasthan, prime focus being the holistic approach and overall development of its students.
01 JMAG Edition-9 released
02 Sh. Anil Agarwal, Chairman, Vedanta Resources Plc @ JECRC
Anti-Ragging Initiative
NIRF Engineering
NIRF Overall
Photo Gallery
Media Coverage
JECRC Foundation
JECRC UNIVERSITY
LEEP-2018
INTERNAL SLIDING REAP-2018
INTERNAL SLIDING NOTICE
College & Hostel Fee
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2018

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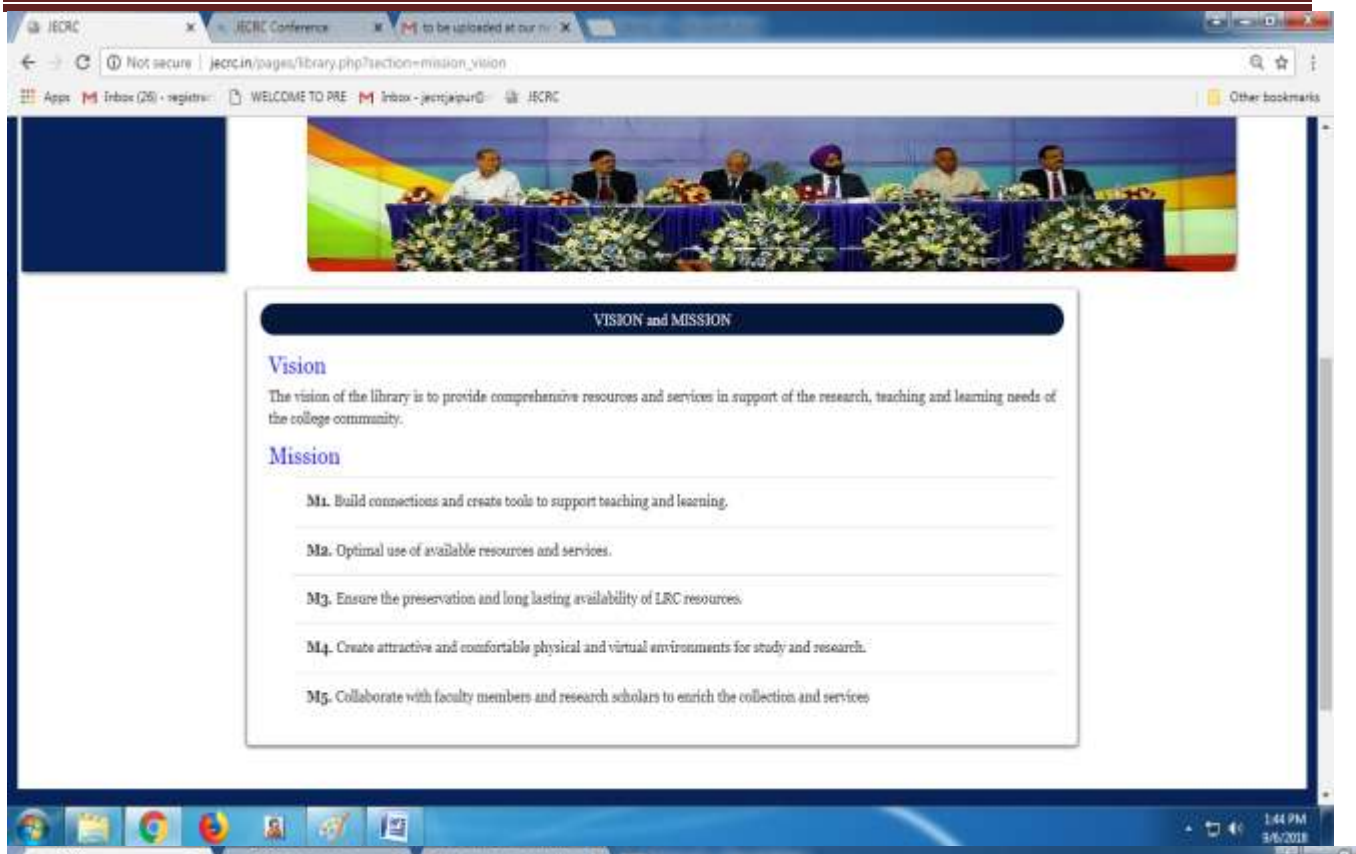
DIGNITARIES AT CAMPUS
INDUSTRIAL LIAISONS
PLACEMENTS
RECRUITMENT
CENTRE FOR DEEP LEARNING
CONTACT US
Anti-ragging Initiatives
As per guidelines issued by the Hon'ble Supreme Court of India, an 'Anti-ragging Committee' has been formed at JECRC Foundation. The High-powered committee is functioning under the Chairmanship of Mr M.L. Sharma. The committee has been established to check the menace of ragging in the premises of the institute.
Any student found guilty of ragging can face severe punishment, which may include debarring from lectures & examinations, expulsion, rustication or fine. Any complaint of ragging will also be lodged with police. However, with collective efforts of the faculty, management's direction and support of our students no incidence of ragging.
» UGC Regulation
» Supreme Court Directives
» Anti Ragging Affidavit from Parents
» Anti Ragging Affidavit from Students
» Anti-Ragging Committee
18:47
02-09-2018

Anti-Ragging Committee

S.No.	Name	Designation	Mobile Number
1.	Dr. UK Pareek	Chief Proctor	9785506667
2.	Ms. Ruchi Mathur	Proctor	9828159024
3.	Mr. Anshul Mittal	Proctor	9772620462
4.	Ms. Shruti Kalra	Proctor	9414371413
5.	Dr. M.P. Singh	Proctor	9414203639
6.	Dr. Anita Jain	Chief Librarian	9829230353
7.	Ms. Sanjay Raghav	Warden Girls Hostel	9982603534
8.	Mr. Ravi Bhatnagar	Warden Girls Hostel	9982603534
9.	Sh. PK Gupta	Chief Warden/CAO	9982682475
10.	Sh. Ashok Sharma	Warden Boys Hostel	9982682914

Library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jecrc.in/pages/library.php?section=mission_vision
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VISION and MISSION
Vision
The vision of the library is to provide comprehensive resources and services in support of the research, teaching and learning needs of the college community.
Mission
M1. Build connections and create tools to support teaching and learning.
M2. Optimal use of available resources and services.
M3. Ensure the preservation and long lasting availability of LRC resources.
M4. Create attractive and comfortable physical and virtual environments for study and research.
M5. Collaborate with faculty members and research scholars to enrich the collection and services

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Spiritual Research Lab
Events @ Spiritual Research Lab
Mindfulness Survey at College
Yoga Day at JECRC University
Joy of Giving& First Anniversary of Spiritual Research Cell
Self-Empowerment through Meditation

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Self Empowerment through Meditation
AICTE Health Survey
Self Empowerment through Meditation -II
Research Presentation at London International Conference
Yoga Class during Smart India Hackathon

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Other bookmarks
ABOUT US
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Jaipur Engineering College & Research Centre
JECRC
Admission Enquiry
Brochure
Faculty List
The JECRC Foundation ardently upholds the practice of self learning and intellectual growth, which are integral to education. Its premier college for B.Tech in Rajasthan, JECRC holds a commitment to offer the highest standards of education with state-of-the-art infrastructure.
Set up in the year 2000, The JECRC has a well-qualified and experienced faculty; excellent management and infrastructure, that ensure academic
excellence and overall development of its students. The JECRC is the most preferred choice amongst the aspiring students for B.Tech. programmes. This is evident from the recent trends witnessed during the RPET and AIEEE/JEE counselling.
Bachelor of Technology | B.Tech. Programs and Intake

Bachelor of Technology | B.Tech. Programe and Intake
JECRC offers 4-year Bachelor of Technology (B.Tech.) degree programmes, which are approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to the Rajasthan Technical University, Kota, Rajasthan.
Programmes
Intake
Electronics & Communication Engineering 240
Electrical Engineering 120
Computer Science & Engineering 180
Information Technology 90
Mechanical Engineering 120
Civil Engineering 120
Lateral Entry (in 2nd year) 20% of 1st year intake
Kashmiri Migrants 44
TFWS 50
Second Shift
Mechanical Engineering 60
Computer Science & Engineering 60
The JECRC Advantage
Cultural Fest-Renaissance
The national level techno cultural fest of JECRC, Renaissance has made a niche for itself among all colleges in the

Jaipur Engineering College And Research Centre
Trainings and Placements
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Vision and Mission
Center for Deep
Learning
Industrial Liaisons
Companies List
Statistics
Placements at a Glance

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Industrial Liaisons
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Statistics
Sectors of Mass Recruiter
Infosys
accenture
IBM
• Power Energy Resources & Utilities
• Manufacturing
• Life Science
• Media Technology
• Banking & Financial
• Public Services
• Aerospace and Defense
• Airlines
• Automotive
• Industrial Manufacturing
• Oil & Gas
• Banking & Financial
• Automotive & Industries
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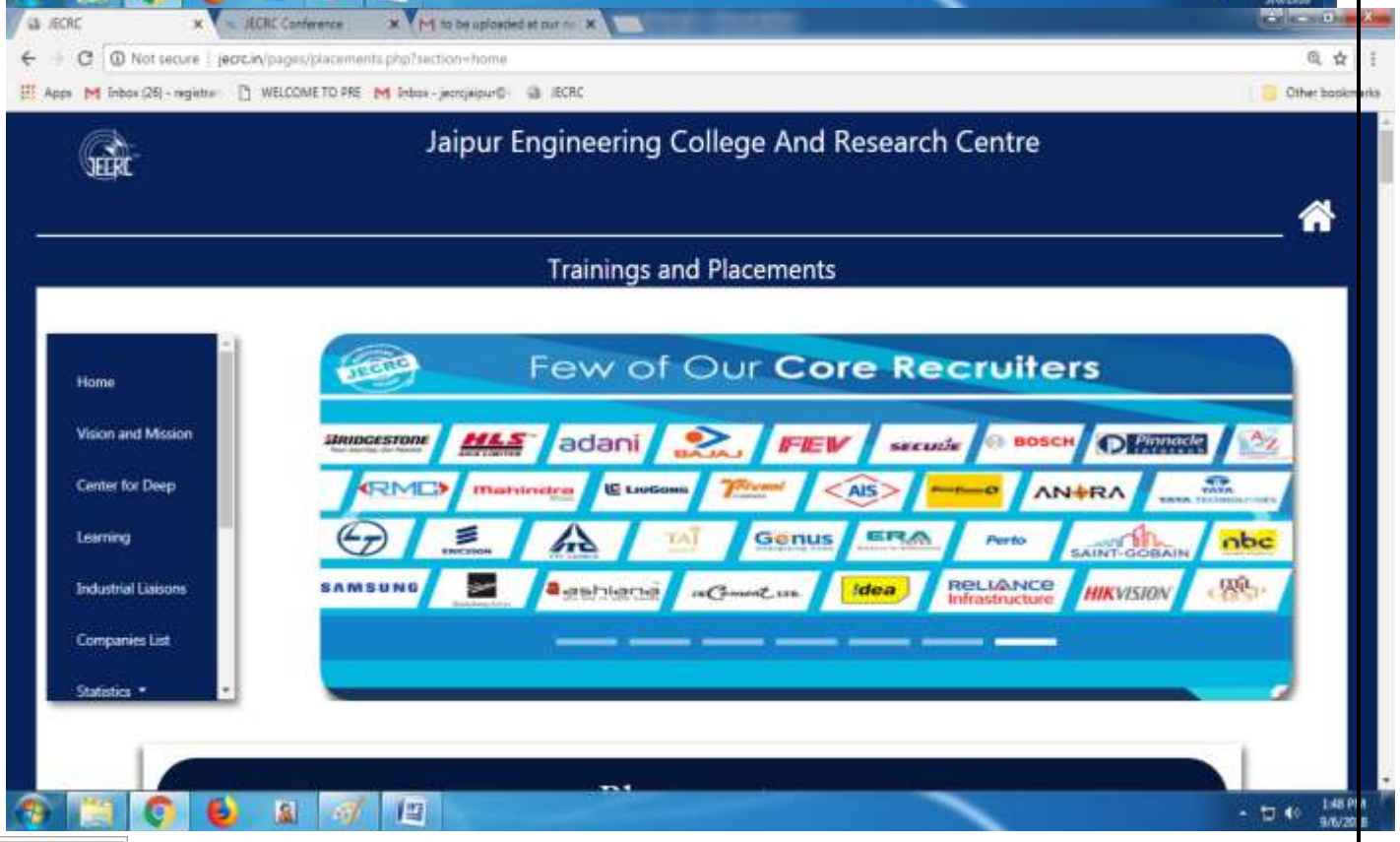
• Chemicals
• High Tech
• Consumer Goods & Services
• Capital Market
• Artificial Intelligence
• Mobile Technologies
• Life Science
• Telecommunication
• Banking & Financial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Industrial Liaisons
Companies List
Statistics
Few of Our Core Recruiters
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BOSCH
Mahindra
AIS
ANDRA
Genus
Perto
SAINT-GOBAIN
nbc
SAMSUNG
Idea
RELIANCE Infrastructure
HIKVISION

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Few of Our Recruiters
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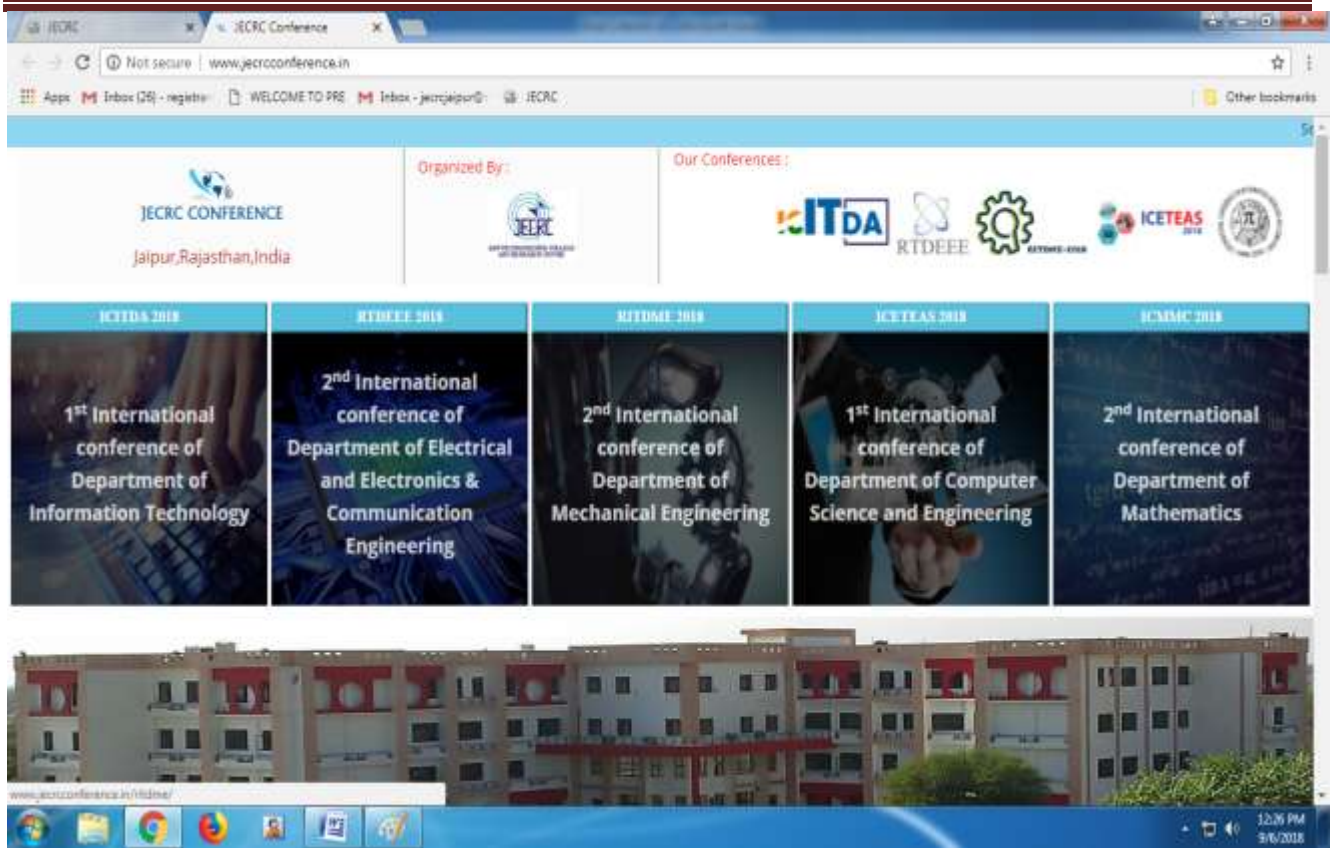
IBM
Direct!
Deloitte
HSBC
BYJU'S
toppr
EY
metacube
MATRIX
Hexaview
Mindtree
Futures First
VOYLLA
ZYCUS
oppo
INTIMETEC
ATCS
sopra steria
Capgemini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Jaipur,Rajasthan,India
Organized By :
Our Conferences :
ICETEAS
1st International conference of Department of Information Technology
2nd International conference of Department of Electrical and Electronics & Communication Engineering
2nd International conference of Department of Mechanical Engineering
1st International conference of Department of Computer Science and Engineering
2nd International conference of Department of Mathematics

JECRC Conference
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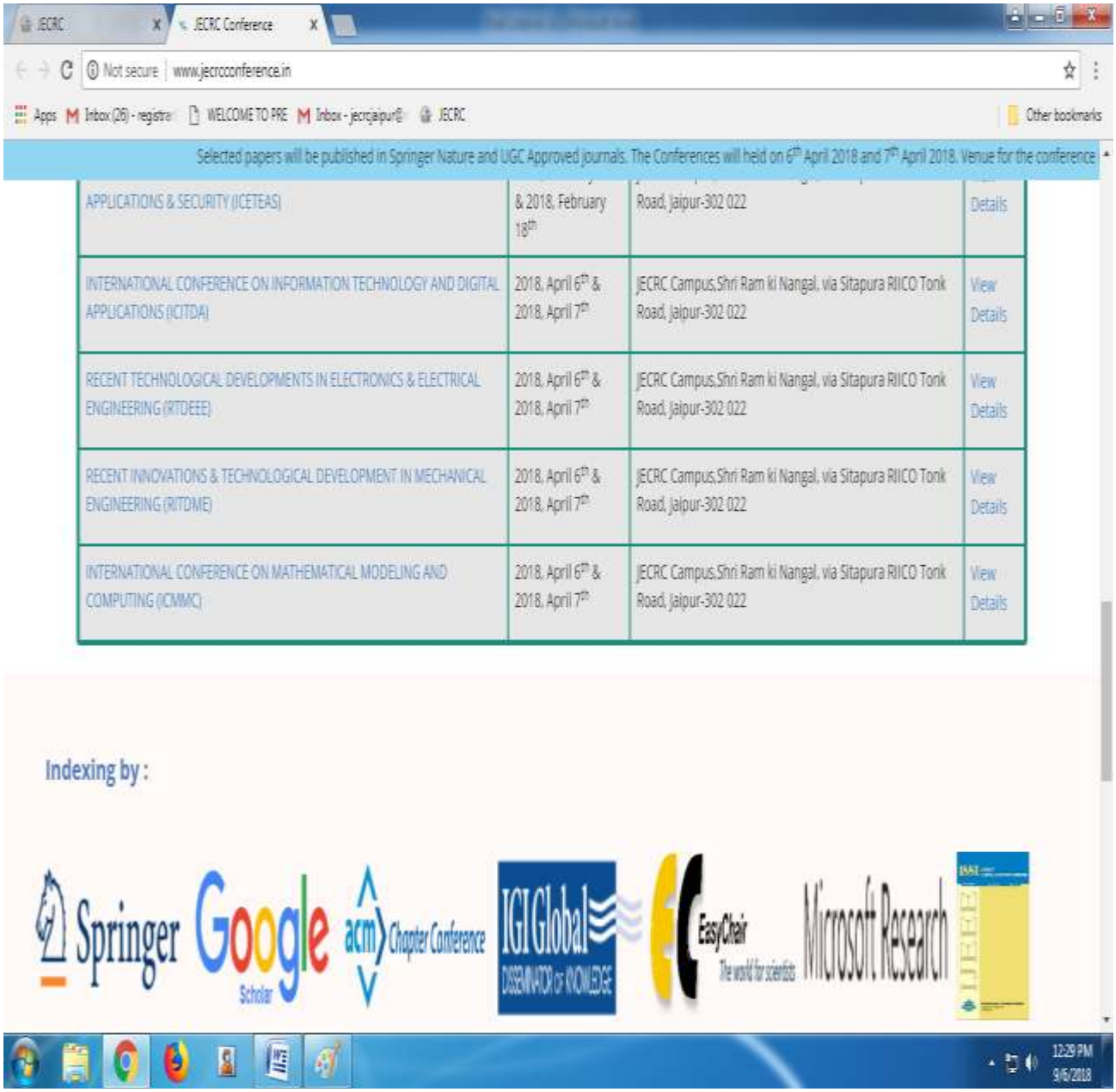
April 2018 and 7th April 2018. Venue for the conference is JECRC Foundation.
About JECRC
Education is the foundation upon which a progressive nation stands and its citizens, made responsible by that education, are the building blocks of that foundation. JECRC Foundation, since its inception over a decade ago, has taken over the mission of nurturing students with the establishment of engineering colleges in Jaipur.
JECRC Foundation is ascribed as one of the leading educational groups in North India strengthening the engineering culture with setting up of top engineering colleges in India. The Foundation is a leading education group, with institutes for engineering, management and pure & applied sciences. These are:
Jaipur Engineering College & Research Centre (JECRC)
JECRC UDML College of Engineering (JECRC UDML)
JECRC University
The institutions of JECRC Foundation are amongst the top engineering colleges in Jaipur and currently have over 10000 students enrolled across various disciplines. Today, JECRC has earned respect as one of the most preferred engineering colleges in India as clearly represented by the RPET and AIEEE admission trends, year after year.
JECRC Foundation is a institute whose highly qualified & experienced faculty, advanced infrastructural set-up and full-fledged hostels offers a comprehensive learning environment for its students.
The Foundation encourages all-round personality development through extra-curricular activities and competitive events. Students have also benefited from the Foundation's strong industry linkages and secured training & career opportunities with leading organisations.



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Selected papers will be published in Springer Nature and UGC Approved journals. The Conferences will held on 6th April 2018 and 7th April 2018. Venue for the conference

APPLICATIONS & SECURITY (ICETEAS)	& 2018, February 18th	Road, Jaipur-302 022	Details
INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY AND DIGITAL APPLICATIONS (ICITDA)	2018, April 6th & 2018, April 7th	JECRC Campus,Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022	View Details
RECENT TECHNOLOGICAL DEVELOPMENTS IN ELECTRONICS & ELECTRICAL ENGINEERING (RTDEEE)	2018, April 6th & 2018, April 7th	JECRC Campus,Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022	View Details
RECENT INNOVATIONS & TECHNOLOGICAL DEVELOPMENT IN MECHANICAL ENGINEERING (RITDME)	2018, April 6th & 2018, April 7th	JECRC Campus,Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022	View Details
INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELING AND COMPUTING (ICMMC)	2018, April 6th & 2018, April 7th	JECRC Campus,Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022	View Details

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Springer | Google Scholar | acm Chapter Conference | IGI Global DISSEMINATOR OF KNOWLEDGE | EasyChair The world for scientists | Microsoft Research | IEEE

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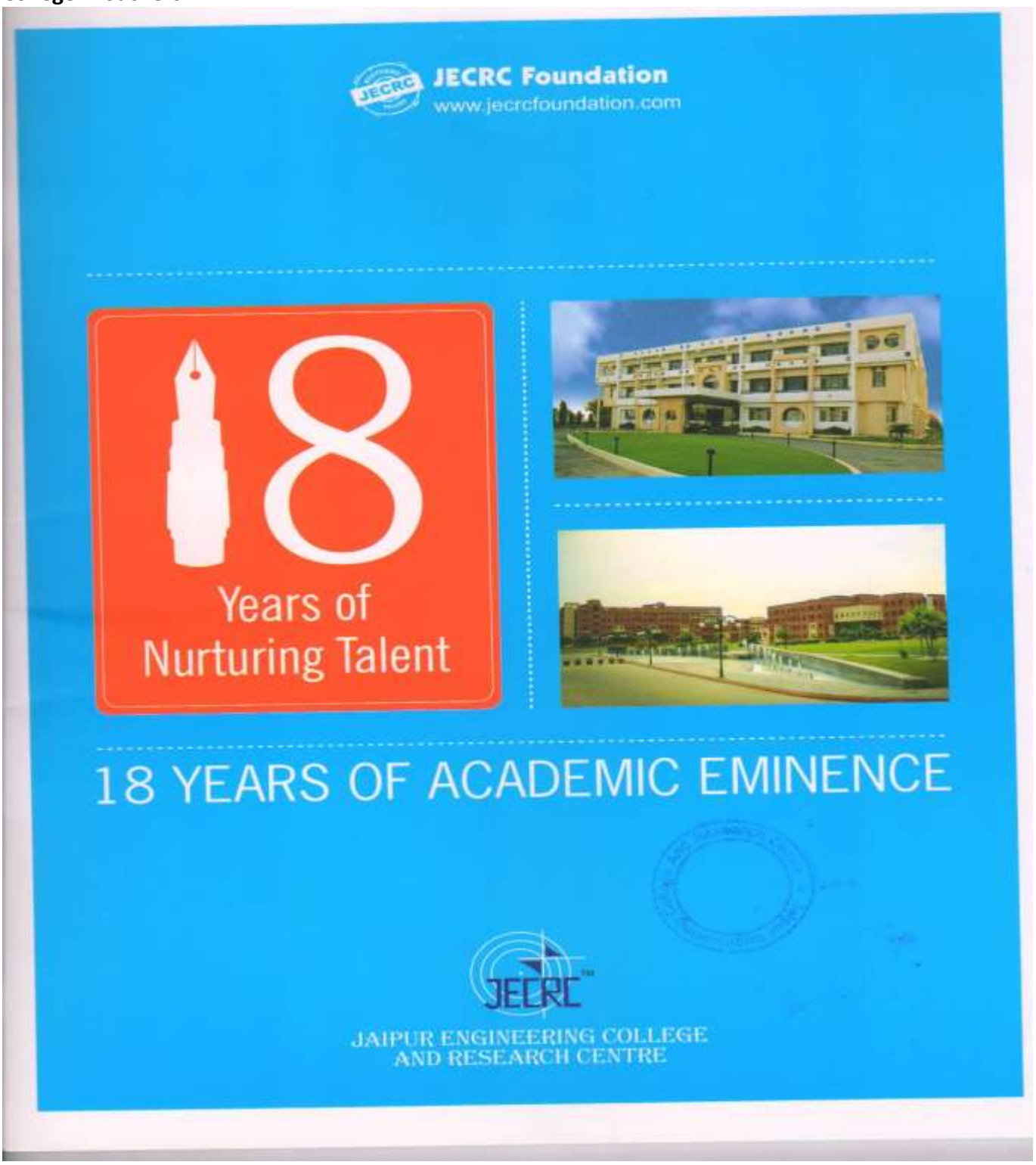
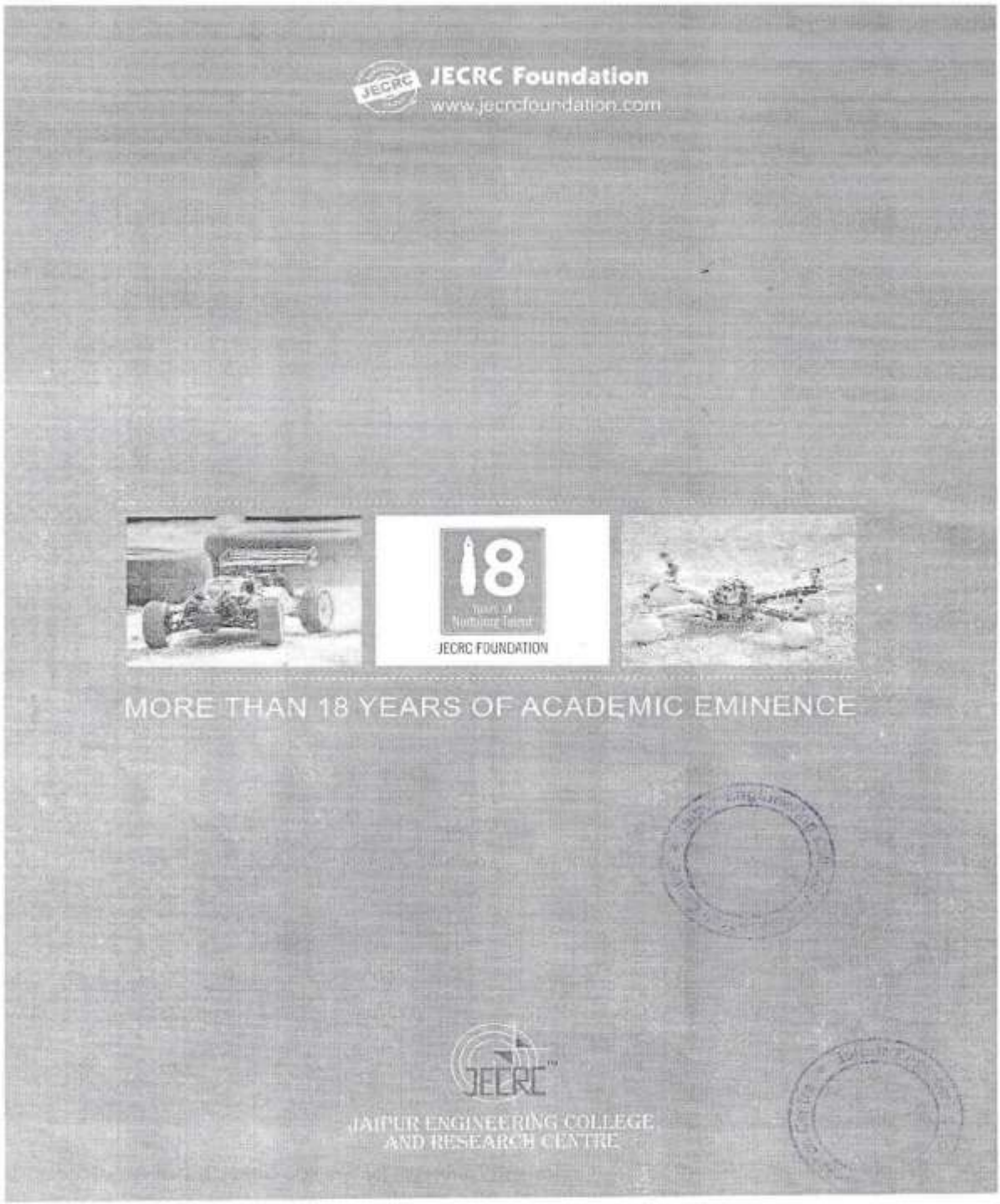
College Broachers

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18
JECRC FOUNDATION
MORE THAN 18 YEARS OF ACADEMIC EMINENCE
JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

INFORMATION FOR THE NEW ENTRANTS

Vision of the Institute

To become a renowned centre of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

Mission of the Institute

- Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.
- Identify, based on informed perception of Indian, regional and global needs, the areas of focus and provide platform to gain knowledge and solutions.
- Offer opportunities for interaction between academia and industry.
- Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders may emerge.

JECRC is a dream Institute for many aspirants where the ambiance is different from that of your school and provides platform to nurture overall development in education and extra-curricular activities. The management, faculty members, staff members and the students in the higher classes may expect you to behave like a grown-up and responsible citizen. During the tenure of your degree course, you have to take your own responsibility regarding required attendance in the college and participation in Co-curricular and Extra-curricular activities. If you are sincere towards studies and attend the theory, practical and tutorial classes regularly (the attendance should not be less than 75%) and take all the tests and examinations as per the requirement of the affiliating University, then not only your learning attribute will improve but also your performance to get your in the direction of higher studies/placements.

JECRC Institute promotes varied experiences and the outcome based teaching-learning provides the information about your learning outcomes. The information of different activities (academic and / or otherwise) is provided through the notices on the Notice Boards and also you have to be in constant touch with your mentor as assigned to you.

Further, your efforts of getting more than 60% marks in aggregate without any back paper throughout will help you to access the platform to get placement in a reputed organization with higher salary package through campus interview selection process.

The institute will provide you the platform to groom yourself in various activities at leadership positions, also provide you the opportunity in the direction of lifelong learning, ethics, innovation, project management etc. along with technical knowledge.

To adapt yourself to the changed environment, you may consider the below mentioned points :

1. Inculcate the habit of coming to the college well-in-time and attend the all the classes regularly.
2. Wearing slippers are not allowed on the campus.
3. Wearing college identity card on the campus is compulsory
4. If you are commuting to the campus through two wheelers, wearing good quality helmet is compulsory even for pillion.
5. You may approach your mentor/proctor/HOD for any queries/concerns.
6. You should maintain the originality of your own personality and should not be unduly impressed or swayed by your friends in the College. You must know what is right/wrong for you.

I am sure, with these points of advice, you will smoothly sail through the transition period and emerge as an excellent professional.

PRINCIPAL

JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

CONDUCT RULES AND GUIDELINES FOR STUDENTS

A. **Discipline and wisdom** are essential traits of a professional. Students of JECRC are expected to observe the highest standards of discipline.

B. **The following acts by a student shall be construed as indiscipline:**

1. **Misbheavior** with teachers, employees of the college, colleagues, girls students, juniors, wardens, proctors and visitors and acting against decorum in college premises-classrooms, laboratories, playgrounds, any type of transportation and hostels.
2. **Ragging** New Students.
3. Using **insulting, abusive and indecent language** in general and in the college premises and hostel, in particular.
4. **Damaging college property** including apparatus, books, fixtures and fittings, building, vehicles, fauna and flora in the college.
5. **Not attending class** and not participating in curricular activities as per the University ordinances.
6. **Not appearing in class tests and examinations.**
7. **Not paying attention to mentor** advice and warning notices.
8. **Wearing poor, indecent** and **Provocative dresses.**
9. **Coming late** to the college and leaving early.
10. **Leaving college premises** or hostel **without permission** of the Principal, Teacher, mentor, warden etc. as the case may be.
11. **Not paying dues and fee in time.**
12. **Not following the college calendar** and timing for co-curricular and extracurricular activities such as games and sports, cultural activities etc.
13. Forming clubs, association, society, forum or groups without the permission of appropriate authority such as Principal, Mentor, warden, proctor or other college authority.
14. **Spreading unfounded rumors** or canards, which may disrupt the college activities and disturb the college discipline.
15. **Using unfair means** in test and examinations.
16. **Causing injury to any person** or participating in acts of hooliganism within and outside the college campus and in public places such as roads, bus stand, cinema halls, railway station, airport, factories, restaurants, dhabas , hotels etc.
17. Indulge in any act, which may on investigation be confirmed as an act of indiscipline by the college or by Law.

C. **Reporting of Acts of Indiscipline**

The following will observe and report acts of indiscipline by the students to the Apex Disciplinary Committee consisting of the Senior Advisor, Principal, director HRD, one or more HODs and a member of the society or its nominee.

1. **Class/Subject teacher :** Late coming, shortage of attendance, indiscipline, ragging and lack of attentiveness or concentration in classes, indecent clothing, poor performance in test and examinations and laboratory activities and workshops.
2. **Mentor :** General behaviour of student with teachers, colleagues, employees etc.
3. **Warden :** Behaviour in hostels and default in paying dues.
4. **Librarian :** Behaviour in library, damages to books, theft of books etc.
5. **Proctor :** Late coming / early going, general behaviour in the campus with colleagues, teachers, employees etc. Discipline in the public place.
6. **Any employee :** Affected by an act of indiscipline.
7. **Any Student :** Affected by act of indiscipline.

D. Anti-Ragging Measures

a) All students shall follow the UGC/AICTE Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009, State Government/RTU/College Authorities Guidelines etc. on the subject.

b) Any violation of the guidelines would result in expulsion from the college besides the penal action as may be decided by the authorities in this regard.

E. Penalty for acts of Indiscipline

When an act of indiscipline has been reported to the Apex Discipline Committee (ADC) a sub-committee formed by ADC shall investigate the reported act of indiscipline thoroughly and submiit a detailed report on the incident.

The ADC will then examine the report and take suitable action against the incumbent depending on the serverity of the act of indiscipline.

The following penalty may be imposed on a student.

1. Warning and Reprimand
2. Fine
3. Warning and Fine
4. Deduction of marks in DECA marks
5. Withholding permission to participate in an activity or examination
6. Rustication from the College for a certain period
7. Reporting to police if the act falls under penal law
8. Removal from hostel

F. Some Specific Penalties

S. No.	Area of Indiscipline	PUNISHMENT (one or more)
1.	Class attendance less than 75%	Not allowed to appear in examinations
2.	Coming late to college	1. Warning 2. Deduction of discipline marks
3.	Damage to items and property	1. Recovery of cost 2. Appropriate fine
4.	Damage / Theft of Books	1. Warning 2. Recovery of double the cost of Book 3. Fine of Rs. 250/-
5.	Misbehavior	1. Warning 2. Fine of Rs. 1000/- to 2000/-
6.	Indiscipline in Hostel	1. Warning 2. Fine of Rs. 1000/- to 2000/- 3. Rustication from Hostel
7.	Unfair means in examinations	1. Action as per university rules including Police case
8.	Hooliganism / Ragging	1. Warning 2. Deduction of discipline marks 3. Police case 4. Fine that can go to even Rs. One Lakh 5. Rustication from the college

Principal

JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

HOSTEL RULES AND REGULATIONS

1. **General**
   a) The hostel facility includes boarding and lodging and is meant for those students of JECRC Foundation who are not residents of Jaipur and are serious about their studies, can maintain proper discipline and decorum.
   b) Hostel facility may be provided to the students, who are of Jaipur only if spare capacity is available at the direction of administration.
   c) The rooms are double and triple seated with facilities such as cot, study table, chair and wardrobe. The students will have to bring their own mattress and pillow with linen.
   d) All residents of the hostel shall follow the hostel rules & regulations.
   e) Hostel room is allotted for the academic session i.e. beginning of session to 3 days after the last date of RTU exams.

2. **Hostel Charges**
   a) The annual hostel charges such as rent and boarding and other miscellaneous charges are decided by the College administration. Such charges are payable by the resident in two instalments. The first instalment is payable at the beginning of the session along with Rs. 5000/- as security deposit. The second instalment is payable as decided by the administration.
   b) If the dues are not paid timely, the membership for the hostel shall cease automatically and the student shall have to apply afresh for renewal /readmission.
   c) No refund shall be made by the college if a resident leaves the hostel before the expiry of the session, and the balance outstanding fee if any will be recoverable from the student.

3. **Vacating the Hostel**
   a) If a resident wishes to leave the hostel he/she will have to give one month's notice and will be allowed to leave only when the Principal and the Chief Warden/CAO give their permission. However, no claim for any refund of charges will be entertained.
   b) Further, if a resident is found or held guilty of indiscipline, ragging or any other such activity which is against the rules, norms and instructions of the institute, he/she shall be directed to leave the hostel by the Chief Warden/CAO. In such cases also there shall be no refund of any charges.
   c) Security charges of Rs. 5000/- will however be refunded after getting a no dues certificate from the Chief Warden/Warden.
   d) If a resident is found involved in ragging, his admission to the hostel and in the college will be cancelled and in view of Supreme Court's directives a case will be registered in the Police Station against him / her.

4. **Mess Rules**
   a) Residents shall take all their meals in the hostel mess. This includes breakfast, lunch, tea and dinner. Non-vegetarian meals or snacks including eggs shall neither be served nor be permitted.
   b) Residents will be served meals only during the prescribed timings as indicated below :

S.No.	Activites	Summer
1.	Breakfast	7.30 to 8.25 a.m.
2	Lunch	11.45 a.m. to 1.15 p.m.
3	Tea	5.30 to 6.00 p.m.
4	Dinner	8.00 to 9.00 p.m.

c) All residents shall be provided common menu.
d) Residents shall not carry their meals wholly or in part, outside the mess. They shall not carry any utensil or other property of the mess outside the dining hall. In case of non-compliance, a fine of Rs. 50/- will be charged from the defaulters.
e) Residents shall not interfere with cooking or other services and shall not handle mess equipment any time.
f) Sick residents may be allowed to eat their meals in their rooms with the written permission of the warden.
g) No outsider shall take breakfast, lunch, tea or dinner without prior written permission of the warden. If permitted, the host resident shall pay the charges in advance to the college through coupons available at college counter.
h) Resident shall coperate with the mess employees and deal with them in a polite and courteous manner.
i) Residents shall pay thier mess dues regularly as prescribed.
j) Lodging and board facility may be made available during vacation provided atleast 60 of the residents stay in the hostel. No boarding charges will be refunded at any time once paid.
k) Dress code - All residents will enter the hostel dining hall in proper presentable dress at all times. Students shall not be allowed to enter in bathroom slippers, shorts and sleeping suits.

5. Entry in / Out of Hostel

a) The following timing shall be observed for maintenance of discipline in Hostel and Institute Campus.
   a. Opening of Hostel Gate - 06.00 a.m.
   b. Closing of Hostel Gate (Boys) - 09.30 p.m.
   c. Closing of Hostel Gate (Girls) - 07.30 p.m. (Summer), 6.00 p.m. (Winter)
b) Residents shall not go outside their rooms between 10:00 and 6:00 a.m. without permission of the Chief Warden/Warden I/C except for attending institute's functions or authorised academic work in the institute. Attendance may be taken during these hours.
c) Residents shall not leave station without obtaining prior written permission of the warden. They shall report to the warden immediately on return.
d) Residents shall not invite any unauthorised person in their hostel. They shall deal only with the authorized vendors, washermen, cobblers etc. during the prescribed hours any pay them at prescribed rates.
e) Visit of outside person (including parents) to residents of hostel will be restricted up to the "Visitors room" only. No hosteller shall take his/her guest to his room in any circumstances. In exceptional circumstances, parents may be allowed to stay for a day in the guest room, on prior approval of Principal/CAO/Chief Warden, on payment of the prescribed charges which are presently Rs. 250/- per bed per day. In no case shall the parent stay in the hosteller's room.
f) No visitors or parents are allowed to enter the hostel rooms in any case.
g) No resident shall stay in the hostel during college hours without a valid reason which must be informed to warden. It is clarified that illness or health reason will be taken as a valid reason, Free period, visitors from outside etc. will not be taken as a valid reason.
h) No day-scholar is permitted to enter the hostel during college hours. Suitable action and fine will be imposed upon him/her if reported by the Chief Warden/CAO.
i) No resident shall leave the college campus without making necessary entries in the register kept with the guard at the college gate/hostel gate. After return he/she enter the time of return in the register.

6. Use & Facilities

a) A student who has opted for hostel shall reside only in the hostel and the room allotted to him/her.
b) Residents shall be reponsible for all furniture, electrical and other fixtures in the their rooms. They shall not

disfigure or paint of stick photos, posters etc on walls, doors and windows or otherwise damage them. Failing Which Damage Charges Shall be levied per room. Residents are expected to maintain perfect discipline and proper atmosphere.

c) Proper use of water and electricity shall be ensured and lights shall be switched off and taps closed when not in use. Defaulters shall be punished @ Rs 100/- per day

d) Proper permission (at least 1 day in advance) shall be taken in writing from warden for going to LG or home.

e) Girls hostellers shall obtain a gate pass from the warden for going out of hostel/campus which shall be limited to 06 nos per month. First year girl hostellers are not allowed any outing in the first six months. However, to cater for any of their urgent legitimate requirements, a warden shall accompany/take them outside the campus once a fortnight, on Sunday for 3-4 hours.

f) At the end of academic year or while leaving the institute, each resident shall handover the charge of his room with all furniture and fixture to hostel warden and pay the cost of all damages and shortage is detected in his her room. In case of non compliance a fine Rs. 250/- will be charged.

g) Residents shall not use heaters or any other power appliance in their rooms.

h) Use of alcoholic drinks or narcotic materials or gambling in any from is strictly prohibited in the hostel and institute premises. Defaulters shall be expelled from the hostel.

i) Residents shall maintain decorum and dignity and shall not create any nuisance or disturbance for the neighbouring residents.

j) Residents shall not organize any party assembly or activity in the hostel without the permission of the Principal.

k) Residents shall not invite any speaker to address a hostel meeting without the permission of the Chief Warden/CAO/Principal.

l) Residents shall not remove newspaper, magazine, furniture, radio, TV or games-material from the common rooms or mishandle or damage them.

m) Residents shall cooperate with the Warden and fellow hostellers and obey warden's instructions on all matters concerning hostel/mess.

7. **Problem Solving Committee**

The residents would form a committee of three residents who would discuss the problems related to hostel every fortnight with the Chief Warden /CAO / Principal with facts and possible suggestions so that reasonable solutions could be found to their problems.

8. **Rights of College Administration**

a) On matters not coverned by these rules, the discretion of Warden / Administration shall be final and binding.

b) The college administration has full right to deny accommodation to any or all students at anytime in the overall interest of the college.

c) The college administration reserves the right to change the rules and regulation in the overall interest of the college.

I have read & Understood the above

(Signature of Student) (Signature of Parents)

Chief Warden / CAO

LIBRARY RULES

A. MEMBERSHIP

1. All the students of JECRC are members of the library.
2. Books will be issued only on presentation of the IDENTITY CARD.

B. WORKING HOURS

1. The library will remain open from 8.15 to 8.00 pm. till further notice.
2. Issue and return services will be available between 8.30 am and 5.00 pm.

C. PROCEDURE

1. Always-bring your "IDENTITY CARD" while you are in the library.
2. Keep you bags, file, books and other materials outside the library in the space provided.
3. Silence should be maintained while you are in the library. Please don't distrub the arrangement at your will.
4. Books will be issued for 14 days. The book should be returned to the library by the DUE DATE otherwise a sum of Rs. 1/- (Rupee one) per day per book will be charged as DUE OVER CHARGE.
5. Once issued the book will not be re-issued on the same day. If there is a demand from any other student, the same book will be retained and will be issued to that student.
6. Members can ask for a title not available in the library but required for academics work.
7. To recall any books before the due date.
8. REFERENCE BOOK'S DICTIONARIES, DIRECTORIES, PERIODICALS are not issuable. Members are expected to refer to the same in the library only.
9. Any damage done to the BOOK AND PERIODICAL replacement, the double cost will be charged along with a fine. Any kind of MARKING, WRITING OF NAME, FOLDING OF PAGES" will be treated as CAUSING DAMAGE".
10. The "RESERVE TEXT BOOK, REFERENCE BOOK" will be issued for reading room only on your identity care. If there is no reserve book please contact Librarian/Asstt. Librarian for help.
11. At the end of the session, every student should return the library cards before proceeding, failing which no new cards will be issued and a fine will be charged.
12. Students have to put their signature in the register available at the entrance of the library and show identity card. Without identity card, no entry will be allowed in the library.
13. Any student found not obeying the library rules and disturbing the library will be deprived of the library facility
14. Reader should observe strict silence inside the library.
15. User of mobile phone are not permitted in the library block.

CHIEF LIBRARIAN

TRANSPORT RULES & REGULATIONS

1. Transport Fee for the entire session will be paid in advance at the beginning of the session.
2. Boarding in the bus will not be allowed without valid Identity card / Fee receipt for the current session.
3. Pickup time from every point is fixed and the bus will not wait at any pickup point.
4. Pickup point and bus route would be decide by the college administration. Every one is required to board the bus from a designated point only.
5. Bus facility is not available on Sunday/Holidays/during Vacation.
6. The college administration is not liable to provide alternative transport arrangement :-
   (i) If a student is required to attend college during Sunday/Holiday/Vacation. Student will have to make his/her own arrangement to reach the college.
   (ii) If a student misses the bus for any reason.
   (iii) If the student is required to go to any other college for examination / other work.
7. The college management is not responsible for theft/loss of property during travel in bus.
8. In case of breakdown of the college bus, no charges towards alternative conveyance would be paid.
9. No one would be compensated for the distance covered by him/her for boarding the bus from designated point.
10. Ragging is strictly prohibited by law. Any student who is travelling in the college bus found indulging himself/hereself directly/ indirectly in disciplinary activities like theft case/ ragging / fighting / quarrelling/ use of abusive language/ misbehave with fellow students, juniors/seniors and also with staff members, disciplinary action shall be initiated against him/her as deemed necessary or may be handed over to police for legal proceedings according to nature of offence for which entire responsibility will lie with the concerned student.
11. Every one is expected to maintain a proper discipline during the journey. Any loss or damage to college bus due to indisciplinary activities by a student during the journey will attract penalty as per rules.
12. The boarding is entirely at risk of the student availing transport faculty. The college administration does not own any type of responsibility towards compensation of any nature whatsoever.
13. Anit-Ragging Measures
    a) all students using the bus facility shall follow the UGC/AICTE regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009, state Government/RTU/College Authorities Guidelines etc. on the subject. The bus facility user student and his/her parent will have to submit separate undertakings in the form of affidavits, before making use of the bus facility.
    b) Any violation of the gridlines would result in expulsion from the bus facility and/or college besides the penal action as may be decided by the authorities in this regard.
14. In case of any emergency, contact transport incharge.

Date .....

Signature of Parent/Guardian **Signature of Student**

JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Dear Students,

1. We welcome and congratulate you for seeking admission in this college. It is a fact that in this transitional phase you have left your school life and probably homely environment and would be entering into a new phase. Therefore, we would be more than willing to help you solving problems/difficulties, if any faced by you as a fresher and would extend all the necessary help.
2. To overcome the menace of ragging, college, administration has already made plans for FRESHERS' inducationa and orientation, which promote efficient and effective means of integrating. These planse will be communicated to you by the office shortly.
3. Besides, we all would ensure that ugly scar of ragging is obliterated from the face of all educational institutions. Here, we would like to inform you that you may turn up to the following persons in case of any help/guidance in the most unlikely event of the so-called ragging.

S.No.	Name	Designation	Mobile Number
1.	Dr. UK Pareek	Chief Proctor	9785506667
2.	Ms. Ruchi Mathur	Proctor	98281590XX
3.	Mr. Anshul Mittal	Proctor	9772620462
4.	Ms. Shruti Kalra	Proctor	9414371413
5.	Dr. M. P. Singh	Proctor	9414203639
6.	Dr. Anita Jain	Chief Librarian	9829230353
7.	Ms. Sanjay Raghav	Warden Girls Hostel	9982603534
8.	Mr. Ravi Bhatnagar	Transport Incharge	9024149459
9.	Sh. PK Gupta	Chief Warden/CAO	9982682475
10.	Sh. Ashok Sharma	Warden Boys Hostel	9982682914

4. You are instructed that you should desist form doing anything against your will even if required by the seniors and should not have any fear, as the institution cares for you and shall not tolerate any mischief against any student.
5. You are requested not to hesitate in seeking any help and guidance and to report any incidents of harassment, teasing etc., either as victim or even as a witness.

May I add that your college has always been ragging-free.

Wishing you a bright future in the college.

Principal

10.2. Budget Allocation, Utilization, and Public Accounting at Institute level Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years.

BUDGET AND EXPENDITURE

Other then R&D

(in INR)

S.No.	Year	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	2016-17	96,48,900	80,47,282	50,65,769	30,94,911
2	2017-18	1,70,65,541	1,53,70,784	81,79,279	73,91,115
3	2018-19 (Proposed)	2,05,05,170			

Training & Placement Budget for students : As per audited statement from accounts.

R&D Budget of institute for students

(in INR)

S.No.	Year	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	2015-16	2,50,000	2,50,000	2,50,000	0
2	2016-17	5,00,000	4,97,600	4,97,600	0
3	2017-18	10,00,000	10,03,100	10,03,100	0
3	2018-19 (Proposed)	20,00,000			

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Non Recurring Budget of the institute

(in INR)

S.No.	Year	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	2016-17	79,00,000	73,88,210	73,88,210	0
2	2017-18	81,00,000	68,92,020	68,92,020	0
3	2018-19 (Proposed)	85,00,000			

Budget and Expenditure (year wise summary)

Year 2016-17

(In INR)

S.No.	Branch/Section	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Computer Science & Engineering	2148200	1570026	1233095	336931
2	Electrical Engineering	121500	55386	25734	29652
3	Civil Engineering	24000	23813	13813	10000
4	Electronics & Communication Engineering	813200	481715	156698	360950
5	InformationTechnology	119000	105027	1711	104450
6	Mechanical Engineering	407300	308069	105500	278900
7	First Year	537100	545024	43439	501585
8	Alumni Annual budget	352500	337478	337478	0
9	JECRC MUN	411000	372331	95000	277331
10	Soch	87000	86000	33000	53000
11	Zarurat	350000	317500	215000	102500
12	Aashayein	125000	105116	95736	9380
13	Suhasini	18000	15350	3900	11450
14	Library	700000	477100	477100	0
15	Sports	150000	125263	77063	48200
16	Student Development Cell	557100	523114	523114	0
17	Other Activities at College level	2728000	2598970	1628388	970582
Total		**96,48,900**	**80,47,282**	**50,65,769**	**30,94,911**

Difference of Total Expenditure: Expenditure by the institute and Fund generated from other sources is the seed money for the upcoming events.

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Year 2017-18

(In INR)

S.No.	Branch/Section	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Computer Science & Engineering	3469800	3052595	2187173	865422
2	Electrical Engineering	343725	241134	42585	198549
3	Civil Engineering	1548000	1503364	15408	1487956
4	Electronics & Communication Engineering	2952900	2654761	1644598	1103670
5	Information Technology	645700	450022	133924	361500
6	Mechanical Engineering	1502770	1338669	828870	570500
7	First Year	404860	264987	47987	217000
8	Alumni Annual Budget	143500	147006	147006	0
9	JECRC MUN	403786	375144	101813	273331
10	Soch	60500	59000	13500	45500
11	Zarurat	332500	286300	168050	118250
12	Aashayein	189500	180900	180900	0
13	Suhasini	24000	21500	9000	12500
14	Library	700000	634300	634300	0
15	Sports	150000	130659	75659	55000
16	Student Development Cell	619000	578315	578315	0
16	Other Activities at College level	3575000	3452128	1370191	2081937
Total		**1,70,65,541**	**1,53,70,784**	**81,79,279**	**73,91,115**

Difference of Total Expenditure: Expenditure by the institute and Fund generated from other sources is the seed money for the upcoming events.

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Proposed Year 2018-19

(In INR)

S.No.	Branch/Section	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Computer Science & Engineering	7550000			
2	Electrical Engineering	692950			
3	Civil Engineering	177720			
4	Electronics & Communication Engineering	1965000			
5	Information Technology	950000			
6	Mechanical Engineering	1372000			
7	First Year	424000			
8	Alumni Annual Budget	200000			
9	JECRC MUN	421000			
10	Soch	70000			
11	Zarurat	350000			
12	Aashayein	145000			
13	Suhasini	42500			
14	Library	1000000			
15	Sports	180000			
16	Student Development Cell	675000			
17	Other Activities at College level	4290000			
Total		**2,05,05,170**			

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10.3. Program Specific Budget Allocation, Utilization

Computer Science & Engineering

Year 2016-17

(In INR)

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	84400	80129	6100	74029
2	Co-Curricular Activity	288800	267902	5000	262902
3	Consumable Items	1275000	842943	842943	0
4	Non Consumable Items	500000	379052	379052	0
Total		**21,48,200**	**15,70,026**	**12,33,095**	**3,36,931**

Year 2017-18

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	1401800	1135742	270800	864942
2	Co-Curricular Activity	18000	17355	16875	480
3	Consumable Items	1500000	1351209	1351209	0
4	Non Consumable Items	550000	548289	548289	0
Total		**34,69,800**	**30,52,595**	**21,87,173**	**8,65,422**

Proposed for Year 2018-19

S.No.	Activity	Proposed Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	2300000			
2	Co-Curricular Activity	200000			
3	Consumable Items	1550000			
4	Non Consumable Items	3500000			
Total		**75,50,000**			

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Information Technology

Year 2016-17

(In INR)

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	19000	14210	1711	13550
2	Co-Curricular Activity	100000	90817	0	90900
Total		**1,19,000**	**1,05,027**	**1,711**	**1,04,450**

Year 2017-18

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	605700	418937	133924	330500
2	Co-Curricular Activity	40000	31085	0	31000
Total		**6,45,700**	**4,50,022**	**1,33,924**	**3,61,500**

Proposed Year 2018-19

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	950000			
2	Co-Curricular Activity	0			
Total		**9,50,000**			

Consumable and non consumable items are taken care with the Computer Science & Engineering budget.

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Electrical Engineering

Year 2016-17

(In INR)

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	56500	50452	20800	29652
2	Co-Curricular Activity	0	0	0	0
3	Consumable Items	15000	4934	4934	0
4	Non Consumable Items	50000	0	0	0
Total		**1,21,500**	**55,386**	**25,734**	**29,652**

Year 2017-18

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	276525	238094	41745	196349
2	Co-Curricular Activity	2200	2200	0	2200
3	Consumable Items	15000	840	840	0
4	Non Consumable Items	50000	0	0	0
Total		**3,43,725**	**2,41,134**	**42,585**	**1,98,549**

Proposed Year 2018-19

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	685000			
2	Co-Curricular Activity	0			
3	Consumable Items	7950			
4	Non Consumable Items	0			
Total		**6,92,950**			

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Tonk Road, Jaipur - 303 905

Mechanical Engineering

Year 2016-17

(In INR)

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	218500	131500	3500	202000
2	Co-Curricular Activity	78800	74569	0	76900
3	Consumable Items	110000	102000	102000	0
4	Non consumable items				
Total		**4,07,300**	**3,08,069**	**1,05,500**	**2,78,900**

Year 2017-18

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	583500	450000	4000	495000
2	Co-Curricular Activity	71000	63799	0	75500
3	Consumable Items	123270	93270	93270	0
4	Non consumable Items	725000	731600	731600	0
Total		**15,02,770**	**13,38,669**	**8,28,870**	**5,70,500**

Proposed Year 2018-19

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	315000			
2	Co-Curricular Activity	120000			
3	Consumable Items	187000			
4	Non Consumable items	750000			
Total		**13,72,000**			

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Civil Engineering

Year 2016-17

(In INR)

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	15000	15000	5000	10000
2	Co-Curricular Activity	0	0	0	0
3	Consumable Items	9000	8813	8813	0
4	Non Consumable Items	0	0	0	0
Total		**24,000**	**23,813**	**13,813**	**10,000**

Year 2017-18

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	82000	81081	0	81081
2	Co-Curricular Activity	0	0	0	0
3	Consumable Items	16000	15408	15408	0
4	Non Consumable	1450000	1406875	0	1406875
Total		**15,48,000**	**15,03,364**	**15,408**	**14,87,956**

Proposed Year 2018-19

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	100000			
2	Co-Curricular Activity	0			
3	Consumable Items	77720			
4	Non Consumable Items	0			
Total		**1,77,720**			

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Electronics & Communication Engineering

Year 2016-17

(In INR)

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	303200	325017	0	360950
2	Co-Curricular Activity	0	0	0	0
3	Consumable Items	10000	2463	2463	0
4	Non consumable Items	500000	154235	154235	0
Total		**8,13,200**	**4,81,715**	**1,56,698**	**3,60,950**

Year 2017-18

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	1327900	1010163	0	1103670
2	Co-Curricular Activity	0	0	0	0
3	Consumable Items	25000	11648	11648	0
4	Non consumable Items	1600000	1632950	1632950	0
Total		**29,52,900**	**26,54,761**	**16,44,598**	**11,03,670**

Proposed Year 2018-19

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	1340000			
2	Co-Curricular Activity	0			
3	Consumable Items	25000			
4	Non consumable Items	600000			
Total		**19,65,000**			

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I Year

Year 2016-17

(In INR)

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	286000	303800	0	303800
2	Co-Curricular Activity	26100	25873	2323	23550
3	Consumable Items	141000	139689	28349	111340
4	Non Consumable Items	84000	75662	12767	62895
Total		**5,37,100**	**5,45,024**	**43,439**	**5,01,585**

Year 2017-18

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	288660	173750	0	173750
2	Co-Curricular Activity	40400	44800	1550	43250
3	Consumable Items	73000	45547	45547	0
4	Non Consumable Items	2800	890	890	0
Total		404860	264987	47987	217000

Proposed Year 2018-19

S.No.	Activity	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Curricular Activity	323000			
2	Co-Curricular Activity	10000			
3	Consumable Items	81000			
4	Non Consumable Items	10000			
Total		**4,24,000**			

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Utilization of allocated funds

Budget and Expenditure - Non Recurring

Year 2016-17

(In INR)

S.No.	Branch/Section	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Deepawali Gifts to the staff members	1000000	917520	917520	0
2	Tent and others	200000	200000	200000	0
3	Printing (Banner, Posters, Brochures etc.)	1200000	1183321	1183321	0
4	Civil Maintenance	5500000	5087369	5087369	0
Total		**79,00,000**	**73,88,210**	**73,88,210**	**0**

Year 2017-18

S.No.	Branch/Section	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Deepawali Gifts to the staff members	1000000	1000000	1000000	0
2	Tent and others	1000000	940000	940000	0
3	Printing (Banner, Posters, Brochures etc.)	1100000	1147973	1147973	0
4	Civil Maintenance	5000000	3804047	3804047	0
Total		**81,00,000**	**68,92,020**	**68,92,020**	**0**

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Tonk Road, Jaipur - 302 005

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Proposed 2018-19

(In INR)

S.No.	Branch/Section	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources
1	Deepawali Gifts to the staff members	1000000			
2	Tent and others	1000000			
3	Printing (Banner, Posters, Brochures etc.)	1500000			
4	Civil Maintenance	5000000			
Total		**85,00,000**			

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CONTENT BEYOND SYLLABUS

(1) By the Industries

S. No.	Training	SPOC	Starting date	Last date	No. of Students	Fee collected (Rs.)
1	Linux - Red Hat-I	ECE/CS	17.01.18	26.01.18	173 (CS-119, IT-21, EE-4, ECE-29)	34600
2	Linux - Red Hat-II	ECE/CS	19.02.2018	28.02.2018	62 (40-CS, 8-EC,14-IT)	12400
3	Customer Relationship Management - Sales force	IT	17.01.18	22.3.2018	111 (CS-74, IT-33, EE-01, ECE- 03)	444000
4	Apps & Ideas	ECE,ME	07.09.17	15.02.18	17 (EC-6, CS-8, IT-1. ME-2)	51000
5	Robotics - SakRobotics	ECE	19.01.18	22.01.18	66 (EC-11, I yr -55)	99000
6	Embedded System-Techienest-Slot 1	ECE	22.01.18	15.3.2018	35- EC	175000
7	Embedded System-Techienest- Slot 2	ECE	8.2.2018	5.4.2018	21-EC	105000
8	AutoCAD	CE	12.3.2018	16.4.2018	16-CE	56000
9	AutoCAD, Solidworks and Ansys Software-CADD centre	ME	29.1.2018	21.4.2018	38-ME	296000
10	Machine learning and IOT-Forsk	CS	01.02.18	22.3.2018	27 (CS-9,IT-9,EC-8, EE-1)	132300
11	Core JAVA and Android	EE	9.2.2018	21.4.2018	42-EE	126000
12	Expert Lectures - Engineers Academy	Expert Lectures in each branch, January-March 2018				Free
					Total Rs.	15,31,800

(2) By the Faculty Members

S. No.	Training	SPOC	Starting date	Last date	No. of Students	Fee collected
1	Python	IT	17.01.18	15.02.18	33-IT	Free
2	Organization of student developer (OSD)	IT	18.01.18	20.03.18	11-IT	Free
3	C, C++	CSE	22.01.18	--	22- CS	Free

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RESEARCH GRANTS

S.No.	Topic	Agency	Amount (Rs.)	Remarks
1	Rural Technology Business Incubation (RTBI)	DST Rajasthan	30,00,000	F.No. 15(2)DST/ EDP-SDP/2016-17/Part 1/3432 dt 25.01.18
2	Validation and scientific basis of meditation and omnics and their role as therapeutic targets	DST CSRI	42,56,400	File No. SR/CSRI/131/2012

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PROPOSED FDP/WORKSHOP/SEMINAR 2018-19

1. By the RTU Kota

S. No.	Topic	Agency	Amount (Rs.)	Remarks
1	Mathematical Modelling and optimization of industrial problems	TEQIP III – RTU (ATU)	2,00,000	No. RTU/TEQIP-III/F(56)/2017-18/114-22 dt 23.02.18
2	Smart India Hackathon and Innovation & Startup competition	TEQIP III – RTU (ATU)	Budget yet to finalize by the RTU. Our request for Rs. 10 Lacs send to RTU	No. RTU/TEQIP-III/F (56)/2017-18/1272-81 dt 25.04.18
3	MOOCs and Digital Content Development	TEQIP III – RTU (ATU)	2,00,000	RTU/TEQUIP-III/F(56)/2017-18/284-292 dt 30.04.18
4	Business Entrepreneurship Development (BED Lab)	TEQIP III – RTU (ATU)	4,77,500	Activity during 18-22 Dec. 18
5	Art of Innovative & Impactful Teaching	TEQIP III – RTU (ATU)	4,77,500	Activity during 25-29 Sep 18
6	Emerging trends in optical fiber and photonics for future communication systems	TEQIP III – RTU (ATU)	4,77,500	Activity during Aug 28 – 1 Sep 18
7	Renewable Energy Management and techniques for a sustainable future	TEQIP III – RTU (ATU)	4,77,500	Activity during 12-16 Nov 18

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PROPOSAL SENT TO THE GOVERNMENT AGENCIES FOR DIFFERENT ACTIVITIES

S. No.	Date of submission	Funding agency	Project	Funding amount (Rs.)	Remarks
1	22/12/2016	NSTMIS, Deptt. of Sci. & Tech., New Delhi	Quantitative and Qualitative Assessment of Drivers and Barriers to Green Manufacturing in the state of Rajasthan	46,38,700	Not approved
2	10/01/2018	RTU Kota	Third International Congress on Information and Communication Technology (ICICT)-2018 at UK London	12,10,000	
3	29/11/2017	AICTE, New Delhi	Grant for conference ICETEAS-2018	5,00,000	
4	30/11/2017	AICTE, New Delhi	TA grant for ICICT-2018 UK London – Dr. V.K. Chandna	2,20,000	
5	30/11/2017	AICTE, New Delhi	TA grant for ICICT-2018 UK London – Dr. V.S. Rathore	2,20,000	

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CONSULTANCY

	2014-15	2015-16	2016-17
Total number of consultancy projects	18	10	22
Total number of client organizations	02	02	15
Amount	3,90,750.00	2,62,630.00	2,30,401.00

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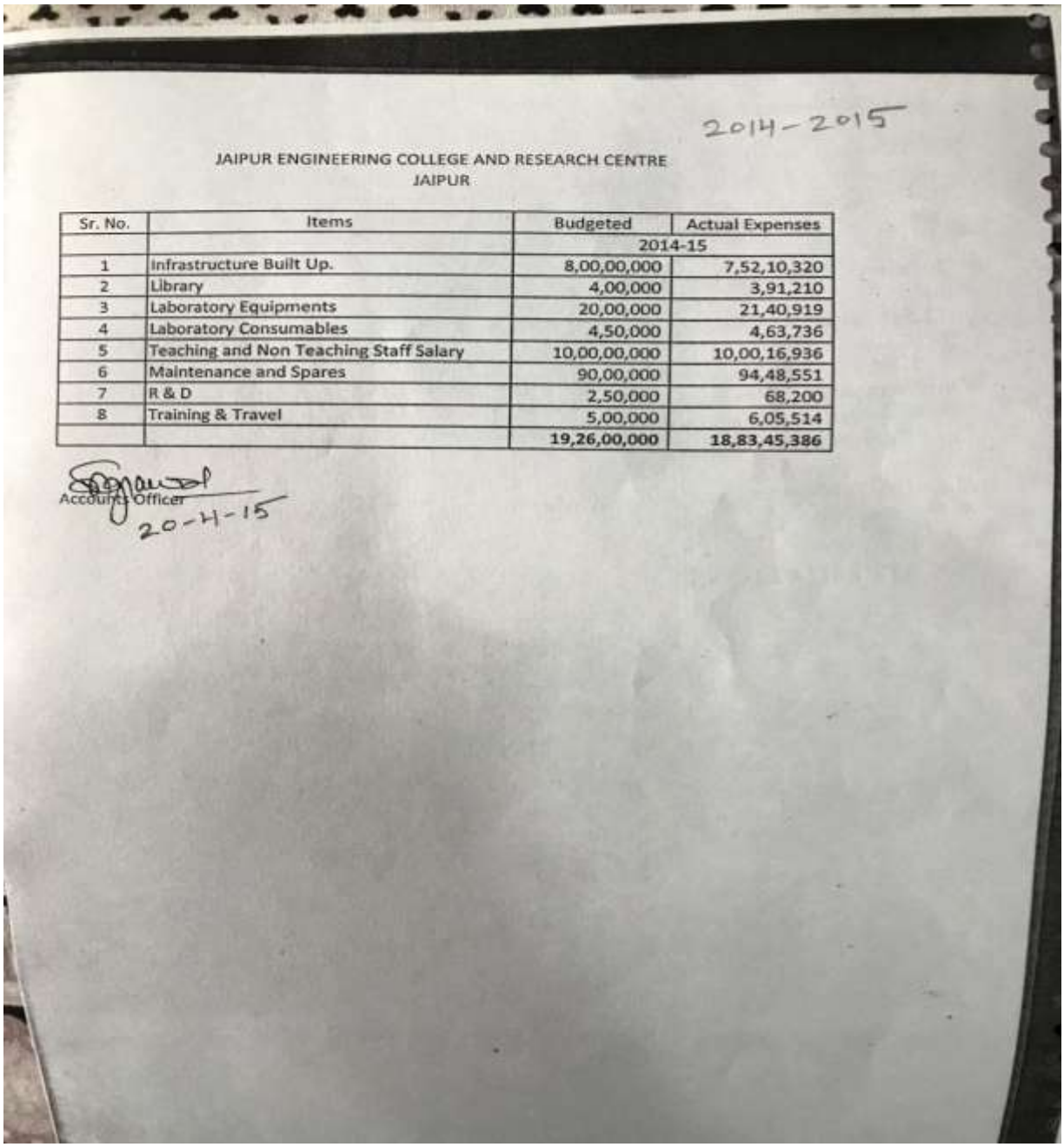
ii. **TEQIP Activities by RTU Kota**

S.No.	Activity	Date	Budget Amount	Reference No.
1	Smart India Hackathon and Innovation & Startup competition	Dec. 2018	Yet to finalize by the RTU Committee	No. RTU/TEQIP-III/F (56)/2017-18/1272-81 dt 25.04.18
2	MOOCs and Digital Content Development	20-21 Dec 2019	Rs. 2,00,000	RTU/TEQUIP-III/F(56)/2017-18/284-292 dt 30.04.18

The audited statements

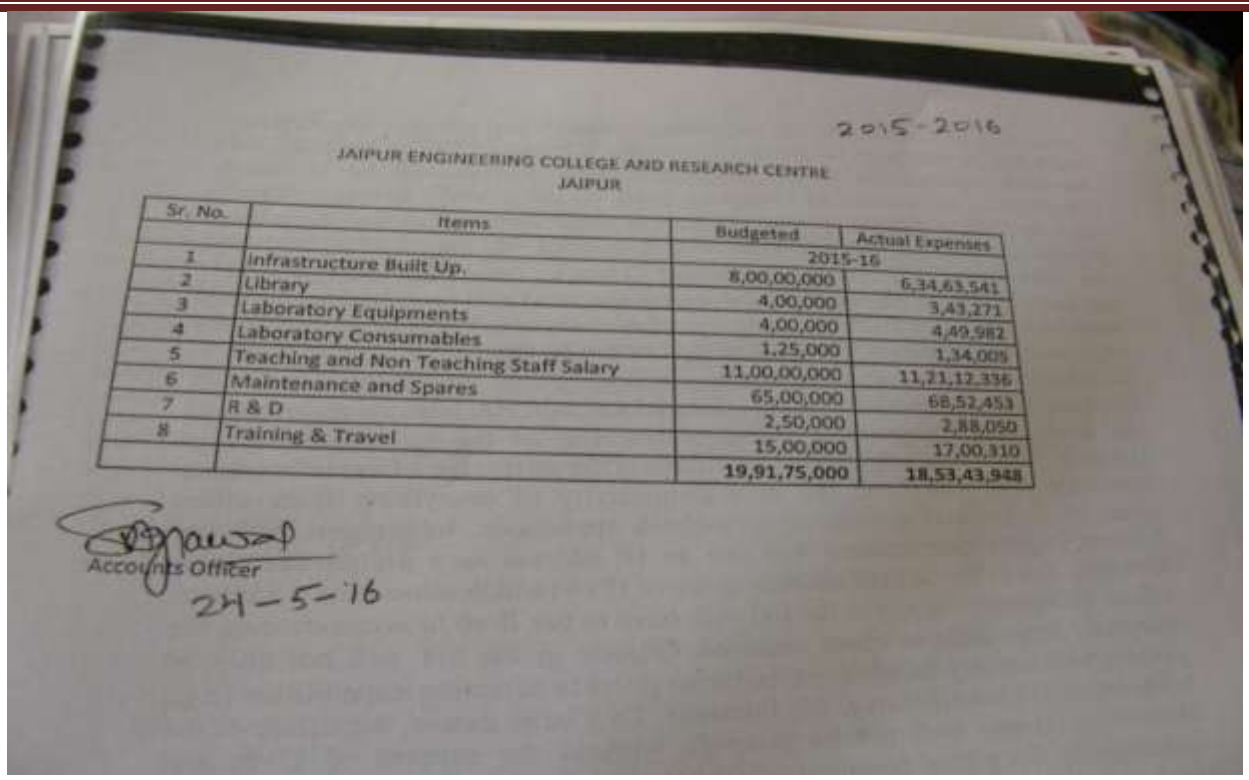


2014-2015

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
JAIPUR

Sr. No.	Items	Budgeted	Actual Expenses
		2014-15	
1	Infrastructure Built Up.	8,00,00,000	7,52,10,320
2	Library	4,00,000	3,91,210
3	Laboratory Equipments	20,00,000	21,40,919
4	Laboratory Consumables	4,50,000	4,63,736
5	Teaching and Non Teaching Staff Salary	10,00,00,000	10,00,16,936
6	Maintenance and Spares	90,00,000	94,48,551
7	R & D	2,50,000	68,200
8	Training & Travel	5,00,000	6,05,514
		19,26,00,000	**18,83,45,386**

Accounts Officer
20-4-15



2015-2016

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
JAIPUR

Sr. No.	Items	Budgeted	Actual Expenses
		2015-16	
1	Infrastructure Built Up.	8,00,00,000	6,34,63,541
2	Library	4,00,000	3,43,271
3	Laboratory Equipments	4,00,000	4,49,982
4	Laboratory Consumables	1,25,000	1,34,005
5	Teaching and Non Teaching Staff Salary	11,00,00,000	11,21,12,336
6	Maintenance and Spares	65,00,000	68,52,453
7	R & D	2,50,000	2,88,050
8	Training & Travel	15,00,000	17,00,310
		19,91,75,000	18,53,43,948

Accounts Officer
24-5-16

Audited statement from Accounts

Sr. No.	Items	Budgeted	Actual Expenses
		2016-2017	
1	Infrastructure Built Up	10,00,00,000.00	9,67,79,760.00
2	Library	2,00,000.00	1,95,808.00
3	Laboratory Equipments	0.00	0.00
4	Laboratory Consumables	1,50,000.00	1,54,970.00
5	Teaching & Non Teaching Staff Salary	13,00,00,000.00	13,37,26,913.00
6	Maintenance & Spares	50,00,000.00	50,87,369.00
7	R & D	0.00	0.00
8	Training & Travel	15,00,000.00	14,97,872.00
	Total	23,68,50,000.00	23,74,42,692.00

Accounts Officer 26/5/18

Audited statement of Accounts

Sr. No.	Items	Budgeted	Actual Expenses
		2017-2018	
1	Infrastructure Built Up	12,00,00,000.00	11,85,85,024.00
2	Library	2,00,000.00	3,51,024.00
3	Laboratory Equipments	0.00	0.00
4	Laboratory Consumables	1,50,000.00	4,16,767.00
5	Teaching & Non Teaching Staff Salary	13,00,00,000.00	13,87,01,705.00
6	Maintenance & Spares	50,00,000.00	38,04,047.00
7	R & D	0.00	0.00
8	Training & Travel	15,00,000.00	23,26,635.09
	Total	**25,68,50,000.00**	**26,41,85,202.09**

Accounts Officer 26/5/18

10.4. Library and Internet

Application Deficiency Report

Application Status: Submitted
Application Sub-Status: Payment Received

Type	Available	Required	Deficiency
Internet Bandwidth	100	46	No
Printers	52	29	No
A1 size Color Printers	1	0	No
Legal Application S/W	28	20	No
Legal System S/W	6	3	No
PCs to Student ratio	808	580	No

Library Facilities

Type	Available	Required	Deficiency
Volumes	25694	24600	No
Titles	4830	4550	No
National Journals	37	36	No
Library Management Software	1	1	No
Reading Room Capacity	165	150	No
MultiMediaPC	15	10	No

Instructional Area-Common Facilities

Type	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
Computer Center	161	150	No
Library & Reading Room	509	400	No

Land Area Details

Type	Actual Room Area (Acres)	Expected Room Area (Acres)	Deficiency
Total Area of Land	10.54	2.5	No
Maximum number of Pieces	1	2	No
Minimum per Piece of Area	10.54	2.5	No

ENGINEERING AND TECHNOLOGY / Existing Programme

Type	Level	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
Class Room-Tutorial Room	UNDER GRADUATE	4434	3360	No
Additional Workshop/Labs	UG/PG	800	800	No
Workshops	UG/PG	188	200	No
Drawing Halls	UG/PG	140	132	No
Seminar Hall	UG/PG	544	396	No
Laboratories-All	UG/PG	4525	3168	No

XX- No Rooms Available
DNA- Data Not Available / Insufficient Data
Blank Field-Data Not Entered
* Laboratories required and Actual Number includes Total Number of Laboratories, Research Laboratories, and Additional WS/Labs for UG and PG courses, as applicable

Date of Signature (dd/mm/yyyy)

Seal of Institute

Name & signature of Director /Principal

***Note - All the Dates in the Report are in dd/mm/yyyy format

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Type	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
Boys Common Room	98	75	No
Girls Common Room	89	75	No
Cafeteria	180	150	No
Stationery Store	15	10	No
First aid cum Sick Room	15	10	No

Computational Facilities

Type	Available	Required	Deficiency
Internet Bandwidth	65	45	No
Printers	61	56	No
A1 size Color Printers	1	0	No
Legal Application S/W	25	20	No
Legal System S/W	9	9	No
PCs to Student ratio	590	560	No

Library Facilities

Type	Available	Required	Deficiency
Volumes	23568	23000	No
Titles	4572	4490	No
National Journals	40	36	No
Library Management Software	1	1	No
Reading Room Capacity	165	150	No
MultiMediaPC	15	10	No

Instructional Area-Common Facilities

Type	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
Computer Center	181	150	No
Library & Reading Room	509	400	No

Land Area Details

Type	Actual Room Area (Acres)	Expected Room Area (Acres)	Deficiency
Total Area of Land	10.54	2.5	No
Maximum number of Pieces	1	2	No
Minimum per Piece of Area	10.54	2.5	No

ENGINEERING AND TECHNOLOGY / Existing Programme

Type	Level	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
Class Room-Tutorial Room	UNDER GRADUATE	5121	3267	No
Workshops	UG/PG	487	200	No
Drawing Halls	UG/PG	140	132	No
Seminar Hall	UG/PG	412	396	No
Laboratories-All	UG/PG	4525	3960	No

XX- No Rooms Available
DNA- Data Not Available / Insufficient Data
Blank Field-Data Not Entered
* Laboratories required and Actual Number includes Total Number of Laboratories, Research Laboratories, and Additional WS/Labs for UG and PG courses, as applicable
^ Actual Number of Tutorial Rooms for Under Graduate includes the Number of Tutorial Rooms Available for PG, if applicable
** Actual Number of Guest Rooms for Under Graduate includes the Actual Number of Guest Rooms Available for PG, if applicable
*** Actual Number of Kitchen for Under Graduate includes the Actual Number of Kitchen Available for PG, if applicable

सहायक लेखाधिकारी

The Principal
JECRC, Jaipur

Sub: Budget proposal for the year 2018-2019

Dear Sir,

It is stated that the following expenditure is proposed to be made with regards to purchases of library books for the session 2018-2019

	Amount
Library Books	5,00,000
Journals / E-resources	2,50,000
News Papers & Periodicals	1,00,000
Computer (05) for Multimedia Library	1,50,000
Total	**10,00,000**

Principal

Librarian 4/5/18

Jaipur Engineering College And Research Center
LIBRARY
Jaipur

The Principal
JECRC, Jaipur

Sub: Budget proposal for the year 2017-2018

Dear Sir,

It is stated that the following expenditure is proposed to be made with regards to purchases of library books for the session 2017-2018

	Amount
Library Books	3,50,000
Journals / E-resources	2,50,000
News Papers & Periodicals	1,00,000
Total	**7,00,000**

Amita Jain 14/5/18
Librarian

Jaipur Engineering College And Research Center
LIBRARY
Jaipur

Principal

The Principal
JECRC, Jaipur

Sub: Budget proposal for the year 2016-2017

Dear Sir,

It is stated that the following expenditure is proposed to be made with regards to purchases of library books for the session 2016-2017

	Amount
Library Books	4,50,000
Journals / E-resources	1,50,000
News Papers & Periodicals	1,00,000
Total	**7,00,000**

Amit Jain 7/6/17
Librarian

Jaipur Engineering College And Research Centre LIBRARY Jaipur

V. Pl
Principal

The Principal
JECRC, Jaipur

Sub: Budget proposal for the year 2015-2016

Dear Sir,

It is stated that the following expenditure is proposed to be made with regards to purchases of library books for the session 2015-2016

	Amount
Library Books	4,50,000
Journals / E-resources	1,50,000
News Papers & Periodicals	1,00,000
Total	**7,00,000**

Anita Jain 9/7/15
Librarian

Jaipur Engineering College And Research Center • Jaipur • LIBRARY

Principal

JECRC CENTRAL LIBRARY

LIST OF JOURNALS (JAN. 2018 TO DEC. 2018)

S.No	Journals	Period	Cheques/DD in Favour of	Subscribed Rate	Periodicity
1	Indian Jour. Of Computer Scicence & Information Technology	1 Yr.	Global Research Pub. New Delhi-	3500/-	Half Yearly
2	Indian Jour. Of Control Science & Engineering	1 Yr.	Global Research Pub. New Delhi-	3500/-	Half Yearly
3	Indian Jour. Of Civil Mechanical Engineering	1 Yr.	Global Research Pub. New Delhi-	3500/-	Half Yearly
4	Indian Jour. Of Engg. & Manufacturing Science	1 Yr.	Global Research Pub. New Delhi-	3500/-	Half Yearly
5	IEEMA Journals	3 Yr.	IEEMA Journals, Mumbai	2400/-	Monthly
6	University News	2 Yr.	Association of India Uiversity New Delhi	1700/-	Weekly
7	Digit	1 Yr.	Nine Dot, Nine interactive Pvt. Ltd. Mumbai.	1899/-	Monthly
8	Electronics for You	2 Yr.	Efy Enterprises Pvt. Ltd. New Delhi	1150/-	Monthly
9	Linux for You	2 Yr.	Efy Enterprises Pvt. Ltd. New Delhi	2300/-	Monthly
10	Electronics Bazar	2 Yr.	Efy Enterprises Pvt. Ltd. New Delhi	1900/-	Monthly
11	Corporate India	2 Yr.	Corporate India Pub. Pvt. Ltd. Mumbai	2160/-	Fort-Nightly
12	Emerging Global Technology and Trends	1 Yr.	DELNET New Delhi	3540/-	Half Yearly
13	Indian Jour. Of Engg & Material Science	1 Yr.	NISCAIR, New Delhi	1600/-	Bio-Monthly
14	Indian Jour. Of Chemical Technology	I Yr.	NISCAIR, New Delhi	1600/-	Bio-Monthly
15	Indian Jour. Of Bio - Chemistry & Bio-Physics	I Yr.	NISCAIR, New Delhi	1900/-	Bio-Monthly
16	Indian Jour. Of Science and Industrial Research	I Yr.	NISCAIR, New Delhi	3600/-	Monthly
17	Indian Jour. Chemistry Sec-A	I Yr.	NISCAIR, New Delhi	4600/-	Monthly
18	Indian Jour. Of Pure & Applied Physics	I Yr.	NISCAIR, New Delhi	3200/-	Monthly
19	Annual of Library & Information Science Studies	I Yr.	NISCAIR, New Delhi	1200/-	Quarterly

JECRC LIBRARY
NAME OF JOURNALS (10.10.2015)

S. N	Name of Journals	Period	Cheque/D.D. in Favour of.	Subscribed Rate	Periodicity
1	Indian jour. Of Engg. & Material Science	1 Year	NISCAIR, New Delhi	1600/-	Bio-Monthly
2	Indian Jour. Of Chemical Technology	1 Year	NISCAIR New Delhi	1600/-	Bio-Monthly
3	Indian Jour. Of Bio Chemistry & Bio Physics	1 Year	NISCAIR New Delhi	1900/-	Bio-Monthly
4	Indian Jour. Of Scientific and Industrial Research	1 Year	NISCAIR New Delhi	3600/-	Monthly
5	Indian Jour. Of Chemistry Sec-A	1 Year	NISCAIR New Delhi	4600/-	Monthly
6	Indian Jour. Of Pure & Applied Physics	1 Year	NISCAIR New Delhi	3200/-	Monthly
7	Annual of Library & Information Studies	1 Yr.	NISCAIR New Delhi	1200/-	Quarterly
8	Jour. On Electrical Engg.	1 Year	Subscription Centre, Ahmadabad	2200/-	Quarterly
9	Jour. On Electronics Engg.	1 Year	Subscription Centre, Ahmadabad	2200/	Quarterly
10	Jour. On Mechanical Engg.	1 Year	Subscription Centre, Ahmadabad	2200/	Quarterly
11	Jour. On Civil Engg.	1 Year	Subscription Centre, Ahmadabad	2200/	Quarterly
12	Jour. On Wireless Communication Networks	1 Year	Subscription Centre, Ahmadabad	2200/	Quarterly
13	Jour. Of Cloud Computing	1 Year	Subscription Centre, Ahmadabad	2200/	Quarterly
14	Power Engineer Journals	1 Year	Indian Journals.com New Delhi	900/-	Half Yearly
15	Indian Jour. Of Computer Science & Information Technology	1 Year	Global Research Pub. New Delhi	3500/	Half Yearly
16	Indian Jour. Of Control Science & Engineering	1 Year	Global Research Pub. New Delhi	3500/	Half Yearly
17	Indian Jour. Of Civil Mechanical Engg.	1 Year	Global Research Pub. New Delhi	3500/	Half Yearly
18	Indian Jour. of Adv. Of Fuzzy System	1 Year	Global Research Pub. New Delhi	3500/	Half Yearly
19	Indian Jour. Of Engg & Manufacturing Science	1 Year	Global Research Pub. New Delhi	3500/	Half Yearly
20	Int. Jour. Of Computer Science & Engg. Technology	1 Year	Subscription Centre, Ahmadabad	3500/-	Half Yearly
21	Int. Jour. Of Advance in Software Engg.	1 Year	Subscription Centre, Ahmadabad	3500/-	Half Yearly
22	Int. Jour. Of Electrical Engg. & Electronics System Research	1 Year	Subscription Centre, Ahmadabad	3500/-	Half Yearly
23	Int. Jour. Of Mechanical Automobile Engg. & Research	1 Year	Subscription Centre, Ahmadabad	3500/-	Half Yearly
24	Int. Jour. Of VLSI Design	1 Year	Subscription Centre, Ahmadabad	3000/-	Half Yearly
25	Int. Jour. Of Civil & Building Engineering	1 Year	Subscription Centre, Ahmadabad	3500/-	Half Yearly
26	Digit	1 Yr.	Nine Dot nine Interactive Pvt. Ltd. Mumbai	1699/-	Monthly
27	Granthalaya Vigyan	1Yr.	Sampadak Granthalaya Vigayan Jaipur	375/-	Monthly

10.4.1. Quality of learning resources
Relevance of available learning resources including e-resources
Accessibility to students
Support to students for self-learning activities

CENTRAL LIBRARY
BOOKS ISSUE DETAILS
Books Circulation (Issue) Details-2017-2018

Month	"A" Block Library Issue	"C" Block Library Issue
July-2017	1578	113
August-2017	2892	1042
September-2017	3071	1163
October-2017	1845	603
November-2017	2693	966
December-2017	1431	600
January-2018	1635	507
February-2018	1863	579
March-2018	838	223
April-2018	1745	585
May-2018	1026	478
June-2018	---	---
Total	**20617**	**6859**
Average Per Month Books Issued	**1718**	**571**

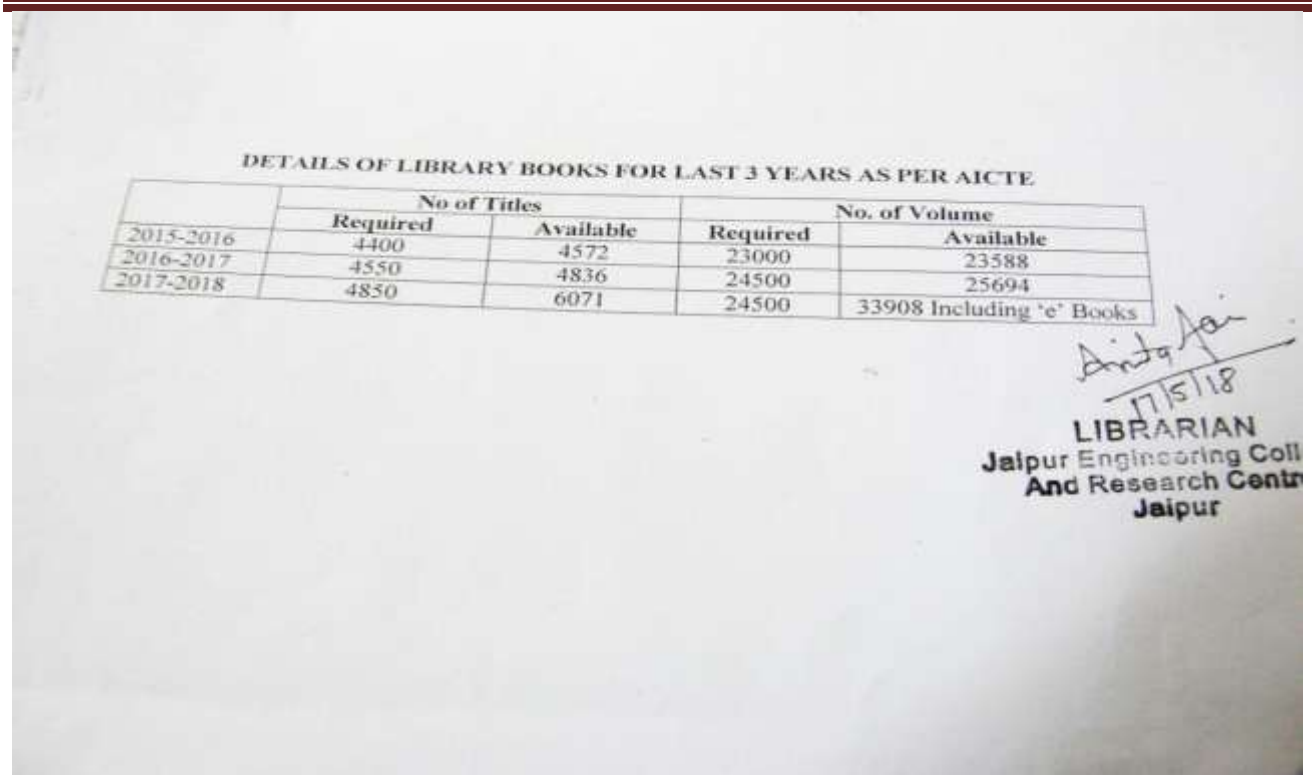
Jaipur Engineering College And Research Centre
LIBRARY
Jaipur

CENTRAL LIBRARY
BOOKS ISSUE DETAILS
Books Circulation (Issue) Details-2016-2017

Month	"A" Block Library Issue	"C" Block Library Issue
July-2016	840	72
August-2016	2571	98
September-2016	1806	458
October-2016	1738	469
November-2016	1822	669
December-2016	893	340
January-2017	2547	987
February-2017	2022	630
March-2017	937	237
April-2017	1389	401
May-2017	814	290
June-2017	10	--
Total	**17389**	**4651**
Average Per Month Books Issued	**1449**	**387**

CENTRAL LIBRARY
BOOKS ISSUE DETAILS
Books Circulation (Issue) Details-2015-2016

Month	"A" Block Library Issue	"C" Block Library Issue
July-2015	1438	57
August-2015	2916	145
September-2015	2713	1005
October-2015	2269	650
November-2015	2063	493
December-2015	2041	952
January-2016	2054	568
February-2016	2679	1062
March-2016	1784	595
April-2016	1553	384
May-2016	1634	597
June-2016	762	322
Total	**23906**	**6830**
Average Per Month Books Issued	**1992**	**569**



DETAILS OF LIBRARY BOOKS FOR LAST 3 YEARS AS PER AICTE

	No of Titles		No. of Volume	
	Required	Available	Required	Available
2015-2016	4400	4572	23000	23588
2016-2017	4550	4836	24500	25694
2017-2018	4850	6071	24500	33908 Including 'e' Books

17/5/18

LIBRARIAN
Jaipur Engineering Coll
And Research Centr
Jaipur

E-Books Detail Inbox x

Tovindra Kumar Sahu <tovindra@jecrc.ac.in>
to principal, Bhavna, Bhuvnesh, CS, dhrd, Vijay, Dr.Manish, EE, HoD, HoD, HoD, HoD, HoD, HoD, HoD, HoD, Kamlesh, k May 17

English Esperanto Translate message Turn off for: English

Dear Sir/Madam,

Please find ebooks detail in JECRC:

E Books

S.No.	Department	No. Of Ebooks
1	CSE	2851
2.	IT	1677
3.	ECE	1419
4.	Civil	635
5.	ME	469
6.	EE	554
7.	Phy	500
	Total	8105

Login Detail:

ftp://192.168.100.6

User Name : ebooks

Password : ebooks

–

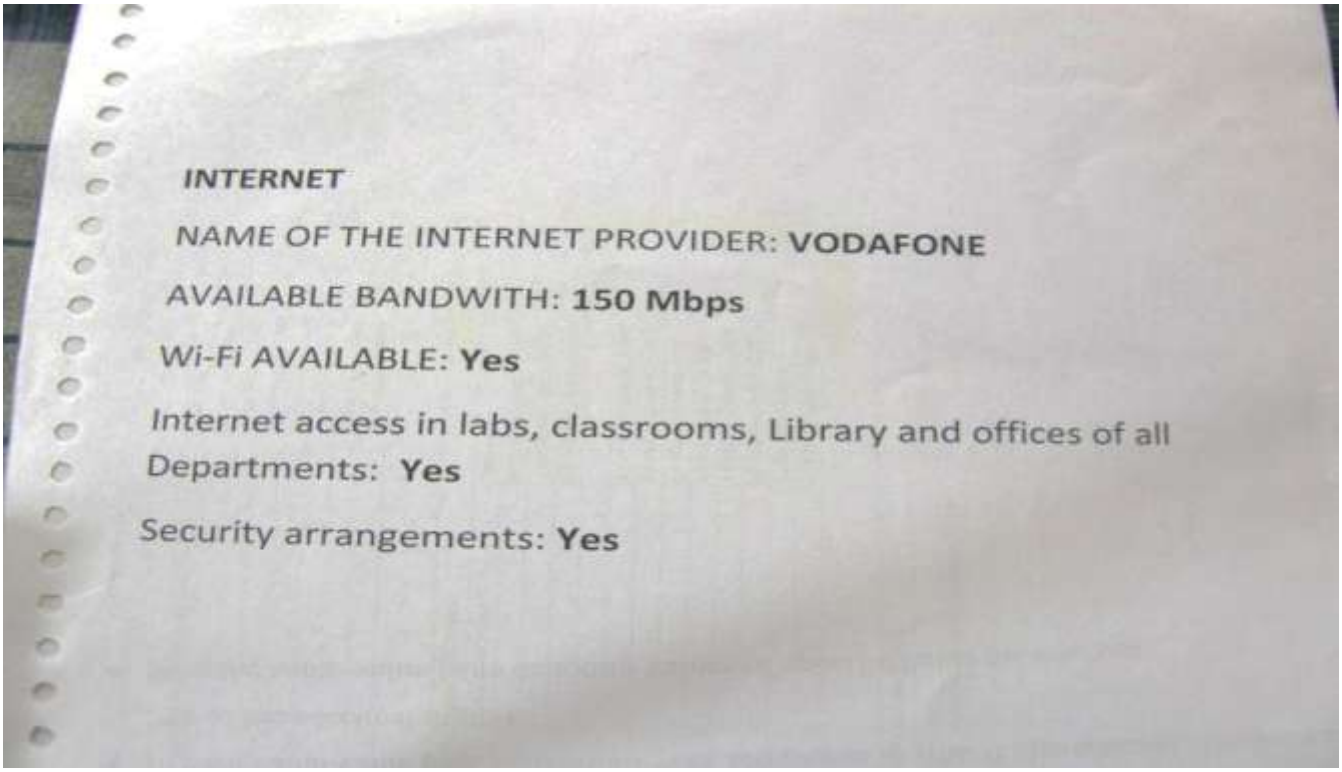
Thanks & Regards

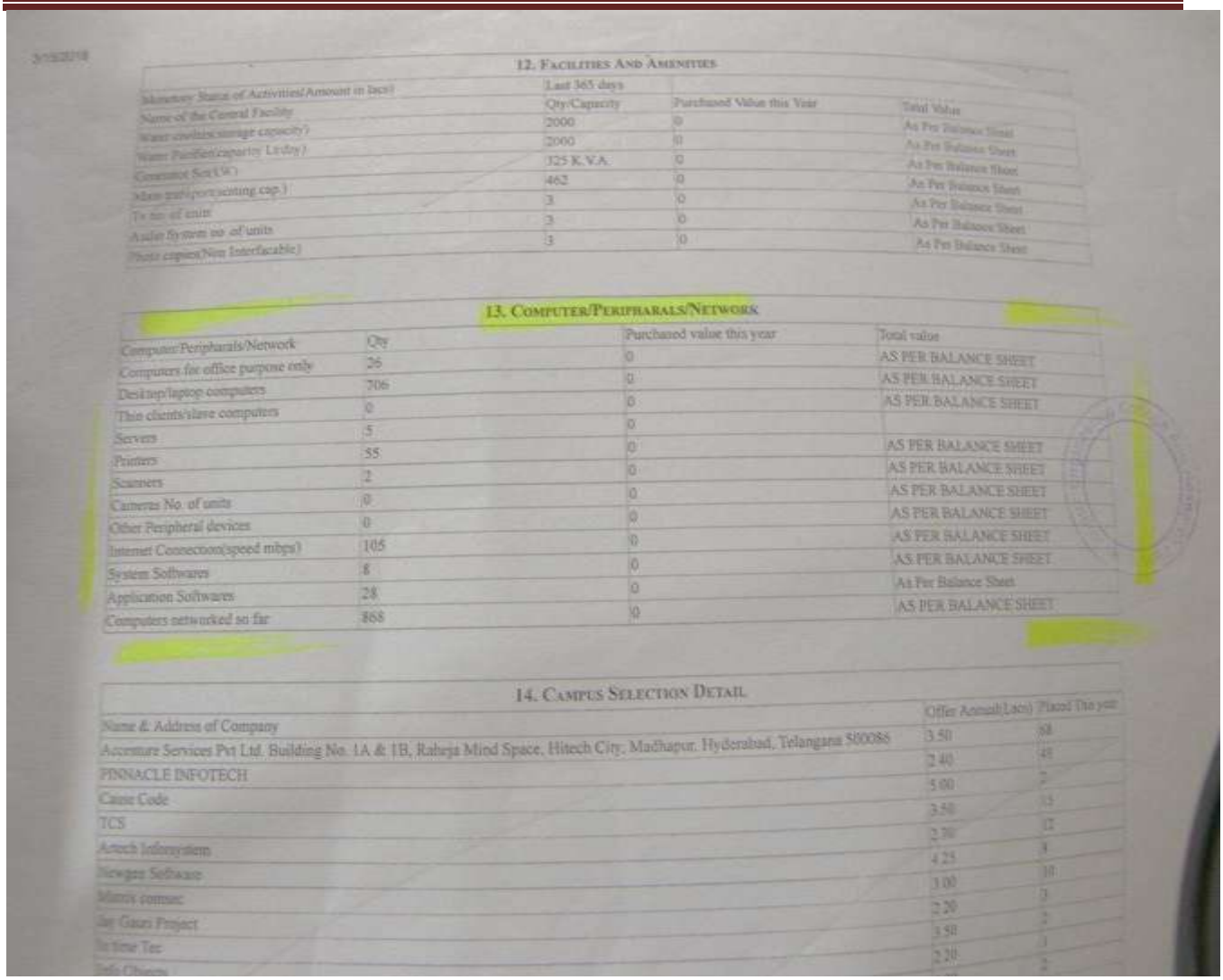
Tovindra Kumar Sahu
Senior Lab Instructor, Jaipur Engineering College & Research Center, Jaipur

P +91-141-2770232 Ext. 209, 211 M 09983186878, 09214086878

10.4.2. Internet

Name of the Internet provider: VODAFONE
Available bandwidth: 150Mbps
Wi Fi availability: YES
Internet access in labs, classrooms, library and offices of all Departments: YES
Security arrangements: Yes





12. Facilities And Amenities

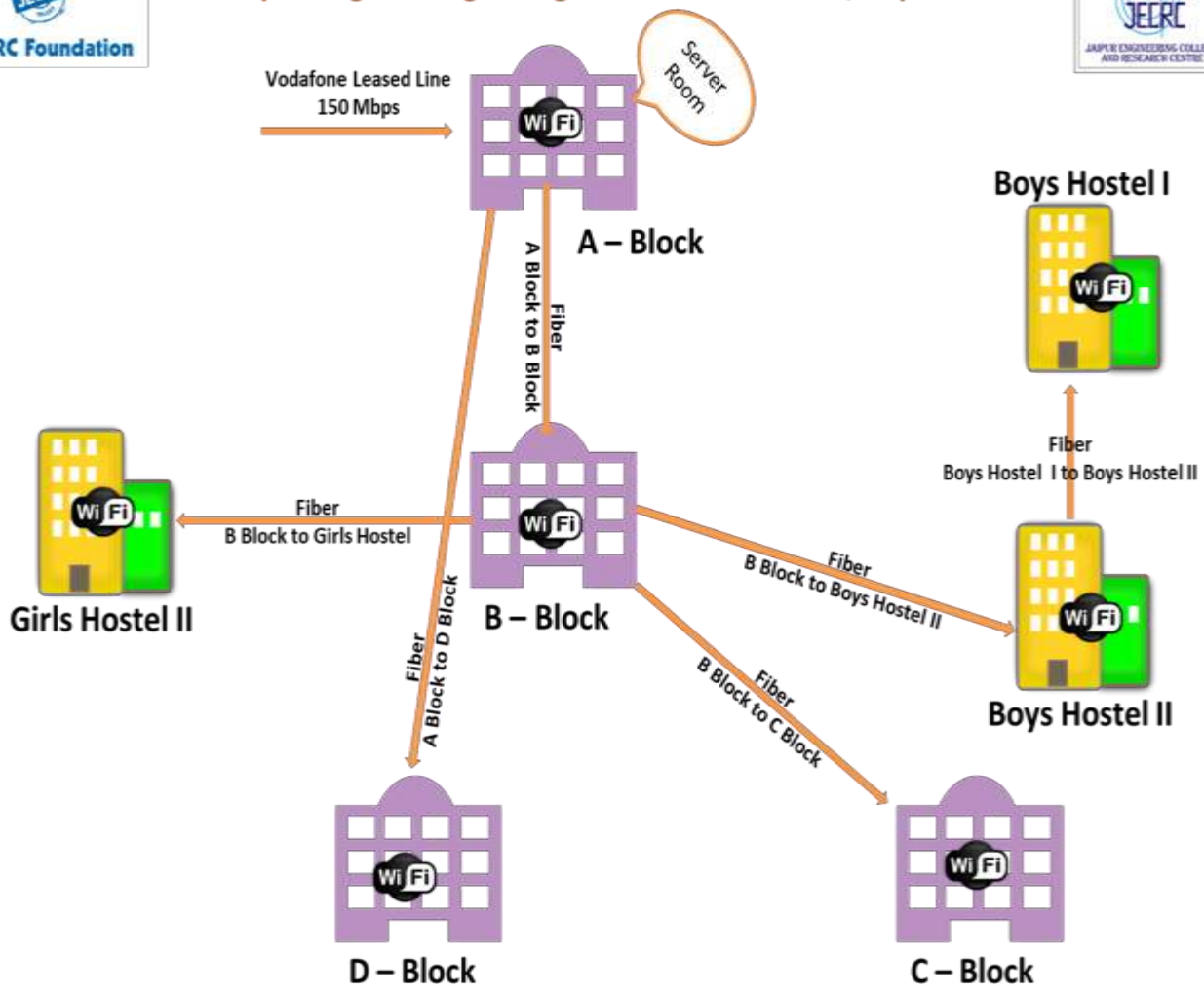
Monetary Status of Activities(Amount in lacs)	Last 365 days		
Name of the Central Facility	Qty/Capacity	Purchased Value this Year	Total Value
Water coolers(storage capacity)	2000	0	As Per Balance Sheet
Water Purifier(capacity Ltr/day)	2000	0	As Per Balance Sheet
Generator Set(KW)	325 K.V.A	0	As Per Balance Sheet
Main gate(port/seating cap.)	462	0	As Per Balance Sheet
Tv no. of units	3	0	As Per Balance Sheet
Audio System no. of units	3	0	As Per Balance Sheet
Photo copier(Non Interfacable)	3	0	As Per Balance Sheet

13. Computer/Peripharals/Network

Computer/Peripharals/Network	Qty	Purchased value this year	Total value
Computers for office purpose only	26	0	AS PER BALANCE SHEET
Desktop/laptop computers	706	0	AS PER BALANCE SHEET
Thin clients/slave computers	0	0	AS PER BALANCE SHEET
Servers	5	0	
Printers	55	0	AS PER BALANCE SHEET
Scanners	2	0	AS PER BALANCE SHEET
Cameras No. of units	0	0	AS PER BALANCE SHEET
Other Peripheral devices	0	0	AS PER BALANCE SHEET
Internet Connecton(speed mbps)	105	0	AS PER BALANCE SHEET
System Softwares	8	0	AS PER BALANCE SHEET
Application Softwares	28	0	As Per Balance Sheet
Computers networked so far	868	0	AS PER BALANCE SHEET

14. Campus Selection Detail

Name & Address of Company	Offer Annual(Lacs)	Placed This year
Accenture Services Pvt Ltd. Building No. 1A & 1B, Raheja Mind Space, Hitech City, Madhapur, Hyderabad, Telangana 500081	3.50	88
PINNACLE INFOTECH	2.40	49
Cause Code	5.00	2
TCS	3.50	33
Amtech Infosystem	2.20	17
Newgen Software	4.25	3
Matrix comsec	3.00	10
Jay Gauri Project	2.20	3
Si Time Tec	3.50	2
Info Objects	2.20	1
		2



Network Diagram

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

Ref: JECRC/REG/2018-19/181 Date: 11/09/2018

Declaration

I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institute shall fully abide by them.

It is submitted that information provided in this Self-Assessment Report is factually correct. I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA, in case any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Date: 11/9/18
Place: Jaipur

Signature & Name
Head of the Institution with seal

JECRC Foundation
www.jecrcfoundation.com

Jaipur Engineering College and Research Centre
Approved by AICTE & Affiliated to RTU
JECRC Campus, Shri Ram Ki Nangal,
Via Sitapura RIICO, Opp. EPIP Gate, Tonk Road, Jaipur 302 022
t: 0141 2770120, 2770232 e: info@jecrcmail.com

ANNEXURE I

PROGRAM OUTCOMES

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and Computer Science and Engineering specialization to the solution of complex Computer Science and Engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyse complex Computer Science and Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex Computer Science and Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of Computer Science and Engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex Computer Science Engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Computer Science and Engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional Computer Science and Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the Computer Science and Engineering practice.
9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings in Computer Science and Engineering.
10. **Communication**: Communicate effectively on complex Computer Science and Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance**: Demonstrate knowledge and understanding of the Computer Science and Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change in Computer Science and Engineering.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Ability to interpret and analyze network specific and cyber security issues in real world environment.

PSO2: Ability to design and develop mobile and web-based applications under realistic constraints.