

**Jaipur Engineering College & Research Centre**  
**Tonk Road, Jaipur**

# **Annual Report**

**2016-17**

**and**

**2017-18**

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)

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. P. 28/11/18

- 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.



Member Secretary

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# 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)	3 <sup>rd</sup> 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  
 Jaipur Engineering Principal  
 Research Center  
 Tonk Road, Jaipur 303 905

## **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 –

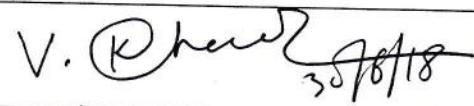
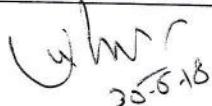
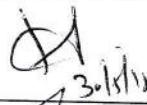
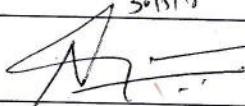
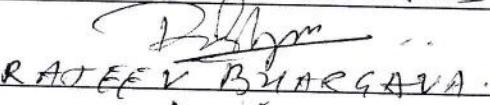
1. Graduate Attributes are shared with all concerned Program Coordinators, HODs, Dean I Year, Dean II Shift
2. Shortcomings related to placements were taken care of and accordingly tie-ups made with external agencies for preparation for the placements.
3. Government job cell was formed with an aim to 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 nomenclature of Outreach placement cell with a motto 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 awarded 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.

  
V. R. Parashar  
PRINCIPAL  
Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 303 905

# 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)	3 <sup>rd</sup> 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

# ATTENDANCE OF GOVERNING BODY MEETING

S.No	Name	Post	Signature
1	Sh. M.L. Sharma	Chairman	
2	Dr. Vinay Kumar Chandna	Member Secretary	
3	Dr. Umesh Kumar Pareek	Member	
4	Sh. Manish Jain	Member	
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	Wadhwanvi Operating Foundation	Member (Invities)	
12	Forsk Technologies Private Ltd.	Member (Invities)	 DR. SYLVESTER FERNANDES
13	CADD Centre Training Services Pvt. Ltd., Chennai	Member (Invities)	 RATEEF V. BUMARGAVA

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.

PRINCIPAL  
PRINCIPAL

Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 303 905

Copy to –

1. Shri M.L. Sharma, Chairman
2. Dr. Vinay Kumar Chandra, 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

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 Centre, Tonk Road, Jaipur is schedule on Wednesday the 30<sup>th</sup> 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. Chandra*

Dr. Vinay Kumar Chandra  
PRINCIPAL  
PRINCIPAL  
Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 303 905



**JECRC Foundation**

[www.jecrcfoundation.com](http://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](mailto:info@jecrcmail.com)



JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

Ref: JECRC/2017-18/588

Date: 18/5/18

To

The Member Secretary,  
All India Council for Technical Education,  
Nelson Mandela Marg, New Delhi,

Subject: Annual Board of Governors Meeting Notice

Dear Sir,

Annual Board of Governors meeting of Jaipur Engineering College & Research Centre, Tonk Road, Jaipur is schedule on Wednesday the 30<sup>th</sup> May 2018 at 11:00 AM in the board Room Block-A, college campus.

You are requested kindly depute AICTE representative for the Annual Board meeting.

Thank you & with regards,

V. Chandna

Dr. Vinay Kumar Chandna  
PRINCIPAL

PRINCIPAL  
Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 303 905



JECRC Foundation  
[www.jecrcfoundation.com](http://www.jecrcfoundation.com)

Jaipur Engineering College and Research Centre

Approved by AICTE & Affiliated to RTU

JECRC Campus, Shri Ram Ki Nangal,

Via Sitapura RICO, Opp. EPIP Gate, Tonk Road, Jaipur 302 022

t: 0141 2770120, 2770232 f: 0141 2770803 e: [info@jecrcmail.com](mailto:info@jecrcmail.com)

JECRC

JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

Ref: JECRC/2012-18/591

Date: 18/5/18

To

Wadhwani Operating Foundation  
Four Main Street, Suite 120,  
Los Altos, CA 94022

Subject: Annual Board of Governors Meeting at JECRC Jaipur

Dear Sir,

The Annual Board of Governors meeting of Jaipur Engineering College & Research Centre, Tonk Road, Jaipur is schedule on Wednesday the 30<sup>th</sup> May 2018 at 11:00 AM in the Board room of the College.

As per the requirement, industry representative is also required in the annual board of governors meeting to discuss the industry requirement in the curricula so that necessary action can be taken in the coming session for the course beyond syllabus.

Hope you will attend the meeting.

Thank you & with regards,

*V. Chandra*

Dr. Vinay Kumar Chandra  
PRINCIPAL

*PRINCIPAL*  
Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 303 905



**JECRC Foundation**  
[www.jecrfoundation.com](http://www.jecrfoundation.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](mailto:info@jecrcmail.com)



JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

Ref. JECRC/2017-18/590

Date: 18/3/18

To

Indovision Services Pvt. Ltd.  
(Authorized Huawei Network Academy Partner (HIT))  
3<sup>rd</sup> floor, Centrum Mall, Khasra Number 369,  
MG Road, Sultanpur, New Delhi

Subject: Annual Board of Governors Meeting at JECRC Jaipur

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Hope you will attend the meeting.

Thank you & with regards,

Dr. Vinay Kumar Chandra  
PRINCIPAL

**PRINCIPAL**

**Jaipur Engineering College &**  
Research Centre  
Tonk Road, Jaipur - 302 905



**JECRC Foundation**

Jaipur Engineering College and Research Centre

Approved by AICTE & Affiliated to RTU

JECRC Campus, Shri Ram Ki Nangal,

Via Sitapura RICCO, Opp. FPIP Gate, Tonk Road, Jaipur 302 022

t: 0141 2770120, 2770232 f: 0141 2770803 e: info@jecrcmail.com

JECRC

JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

Ref JECRC/2017-18/592

Date 18/5/18

To:

Forsk Technologies Private Ltd.  
# M-5, Software Building, IT Park,  
Industrial Area EPIP, Sitapura,  
Jaipur

Subject: Annual Board of Governors Meeting at JECRC Jaipur

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Hope you will attend the meeting.

Thank you & with regards,

V. Chandra

Dr. Vinay Kumar Chandra  
PRINCIPAL

Jaipur Engineering College &  
Research Centre  
Tonk Road, Jaipur - 302 905



JECRC Foundation  
[www.jecrfoundation.com](http://www.jecrfoundation.com)

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JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

Ref: JECRC/2017-18/593

Date 18/5/18

To

CADD Centre Training Services Pvt. Ltd.,  
Office No. 8C & 8D, 8<sup>th</sup> Floor,  
GEE GEE Crystal, Door No. 91,  
Dr. Radhakrishnan Salai, Mylapore,  
Chennai – 600 004.

Subject: Annual Board of Governors Meeting at JECRC Jaipur

Dear Sir,

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Hope you will attend the meeting.

Thank you & with regards,

V.

Dr. Vinay Kumar Chandna  
PRINCIPAL

**PRINCIPAL**

Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 303 905



**JECRC Foundation**  
[www.jecrceducation.com](http://www.jecrceducation.com)

Jaipur Engineering College and Research Centre

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## **VISION AND MISSION**

### **VISION**

- To become a renowned centre of outcome based learning and work towards 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.



PRINCIPAL  
Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 303 905

## **PROGRAMME OUTCOME**

Programme Outcome is Graduate Attributes. Graduates Attributes (GAs) form a set of individually assessable outcomes that are the components indicative of the graduate's potential to acquire competence to practice at the appropriate level. The Ga's are exemplars of the attributes expected of a graduate of an accredited programme. The institute is focusing on following graduate attributes ---

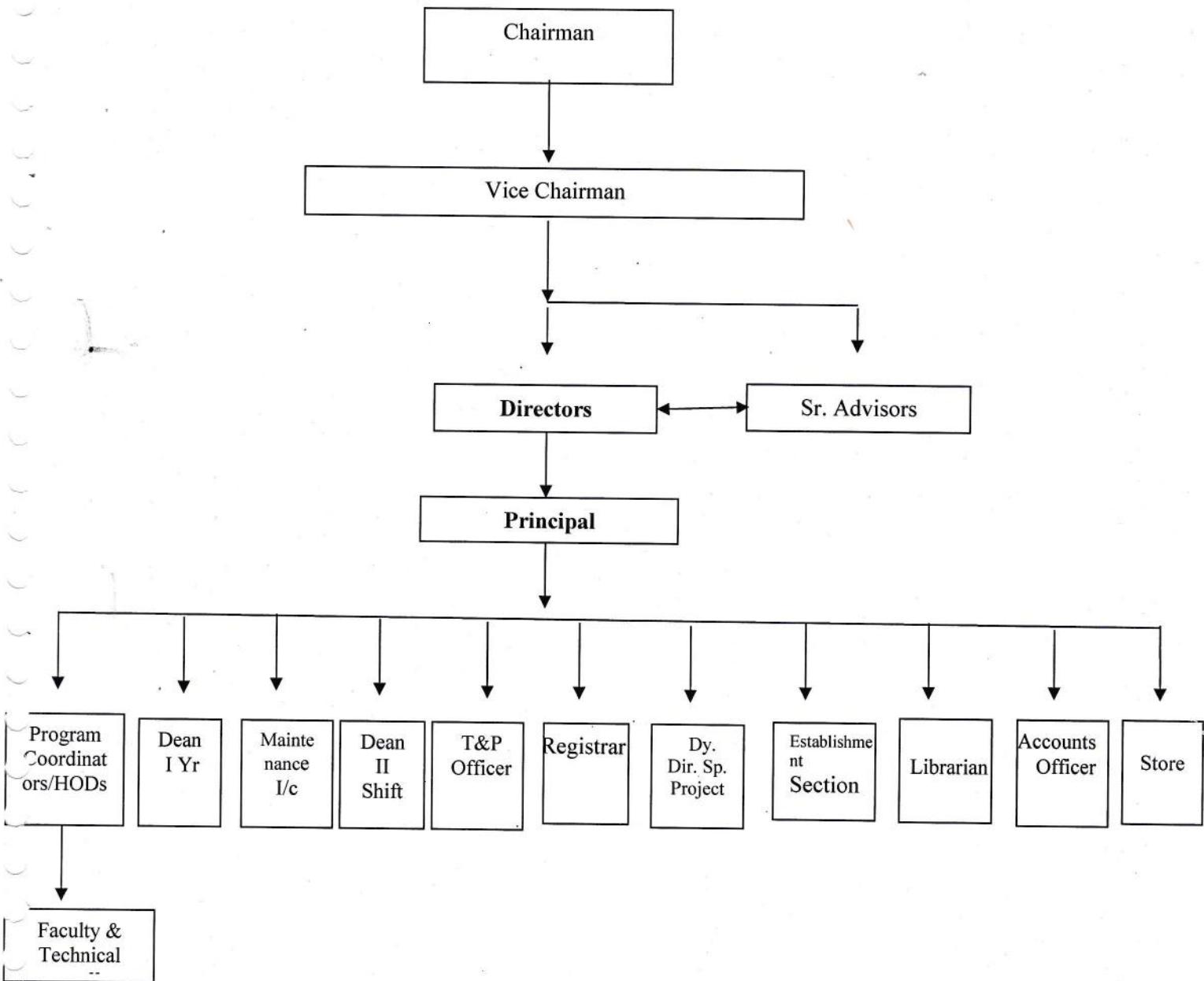
1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **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.
4. **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.
5. **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.
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 engineering practice .
7. **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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the 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.
10. **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.
11. **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.
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.

# **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. P. Pawar*  
**PRINCIPAL**  
**Jaipur Engineering College & Research Center**  
14, Dera Road, Jaipur - 303 905

**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 account further amount is disbursed.



PRINCIPAL  
Jaipur Engineering College &  
Research Center  
Tonk Road, Jaipur - 302 905

# HEAD OF ACADEMIC PROGRAM / DEPARTMENTS AND ADMINISTRATION

Program/Department/Section	Head
Dean II Shift	Prof. Vijay Singh Rathore
Civil Engineering	Shri Kamlesh Kumar Choudhary
Computer Science & Engineering	Prof. Vijay Singh Rathore
Electrical Engineering	Dr. Sandeep Vyas
Electronics & Communication Engineering	Dr. Lokesh Bansal
Mechanical Engineering	Dr. M.P. Singh
Information Technology	Shri Sunil Jangir
Dy. Dean – I Year	Prof. Umesh K. Pareek
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	Shri R.S. Agarwal
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



# RESULT

**Batch 2012-16**

S. No	Branch	Total No. of Student	No. of Student Clear Passed with Above 70% (Honors)	No. of Students Clear Passed above 60%	Below 60%	Total Passed	Passed in Percentage above 70%	Passed in Percentage above 60%	Total Passed %
1	CE	145	59	55	6	120	40.69	37.93	82.76
2	CSE	154	60	69	4	133	38.96	44.81	86.36
3	EE	75	29	33	2	64	38.67	44.00	85.33
4	ECE	269	133	90	0	223	49.44	33.46	82.90
5	IT	76	32	31	5	68	42.11	40.79	89.47
6	ME	151	55	77	2	134	36.42	50.99	88.74
8	ME II	64	9	37	2	48	14.06	57.81	75.00
<b>Total</b>		<b>934</b>	<b>377</b>	<b>392</b>	<b>21</b>	<b>790</b>	<b>40.36</b>	<b>41.97</b>	<b>84.58</b>
<b>% of Students got honors and 1st Division</b>		<b>82.33</b>							
<b>% of total passed</b>		<b>84.58</b>							

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**Batch 2013-17**

S. No	Branch	Total No. of Student	No. of Student Clear Passed with Above 70% (Honors)	No. of Students Clear Passed above 60%	Below 60%	Total Passed	Passed in Percentage above 70%	Passed in Percentage above 60%	Total Passed %
1	CE	144	28	81	0	109	19.44	56.25	75.69
2	CSE	202	81	93	0	174	40.10	46.04	86.14
3	EE	147	48	69	2	119	32.65	46.94	80.95
4	ECE	223	77	88	4	169	34.53	39.46	75.78
5	IT	79	36	30	0	66	45.57	37.97	83.54
6	ME	148	32	68	1	101	21.62	45.95	68.24
7	CSE II	58	26	21	2	49	44.83	36.21	84.48
8	ME II	60	28	20	0	48	46.67	33.33	80.00
<b>Total</b>		<b>1061</b>	<b>356</b>	<b>470</b>	<b>9</b>	<b>835</b>	<b>33.55</b>	<b>44.30</b>	<b>78.69</b>
<b>% of Students got honors and 1st Division</b>		<b>77.85</b>							
<b>% of total passed</b>		<b>78.69</b>							

  
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# PLACEMENTS

## Placement Percentage (Unique offers)

S.No	Year	No. of Students	Unique offers	Percentage
01	2015-2016	938	485	51.7
02	2016-2017	1061	513	48.35
03	2017-2018	1108	522	47.11*

\* Ongoing Batch 2017-18 (Placement Process is still going on)

## Number of Companies Visited JECRC

S.No	Year	No. of Companies Visited
01	2015-2016	32
02	2016-2017	55
03	2017-2018	83*

\*Companies are still visiting us for the campus recruitments

## GATE / Higher Studies

2017-18

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## **OTHER FACILITY**

### **MoUs signed with different organizations –**

#### **(i) National Level**

<b>S. No.</b>	<b>Name of the organization</b>
1	Infosys Limited
2	Indovision Services Pvt. Ltd. Authorized Huawei Network Academy Partner (HIT)
3	Wadhwani Operating Foundation
4	Red Hat India Pvt. Ltd.
5	SakRobotix Lab Pvt. Ltd.,
6	Forsk Technologies Private Ltd.
7	CADD Centre Training Services Pvt. Ltd., Chennai
8	Sambodhi Tech Solutions (Salesforce)
9	Engineers Academy

#### **(ii) International Level**

<b>S. No.</b>	<b>Name of the organization</b>
1	Dudley College, Broadway, UK
2	City of Oxford College, UK



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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**

<b>S.No.</b>	<b>Topic</b>	<b>Agency</b>	<b>Amount (Rs.)</b>	<b>Remarks</b>
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/TEQIP-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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## 2. BY JECRC

- a. Students activities as per the events discussed on page 24
- b. Atleast six international conferenes/seminars/workshops will be organized as per QIV
- c. Atleast six national confereneces/seminars/workshops will be organized as per QIV
- d. Motivation of faculty members to published atleast 20 papers at the international level as per QIV
- e. Motivation of faculty members to published atleast 20 papers at the national level as per QIV
- f. As per the activities purposed above, appropriate relation with industries will be made to improve placements
- g. Zonal Partner for NVIDIA- Bennett Research Lab on Artificial Intelligence
- h. Nodal Centre for Universal Human Values and Professional Ethics (UHVPE)



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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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# BUDGET AND EXPENDITURE

## Other then R&D

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

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

S.No.	Year	Budget	Total Expenditure	Expenditure by the Institute	Fund generated from other sources	(in INR)
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				

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## 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	Information Technology	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
<b>Total</b>		<b>96,48,900</b>	<b>80,47,282</b>	<b>50,65,769</b>	<b>30,94,911</b>

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.

## 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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## 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
<b>Total</b>		<b>21,48,200</b>	<b>15,70,026</b>	<b>12,33,095</b>	<b>3,36,931</b>

### 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
<b>Total</b>		<b>34,69,800</b>	<b>30,52,595</b>	<b>21,87,173</b>	<b>8,65,422</b>

### 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			
<b>Total</b>		<b>75,50,000</b>			

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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
	<b>Total</b>	<b>1,19,000</b>	<b>1,05,027</b>	<b>1,711</b>	<b>1,04,450</b>

### 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
	<b>Total</b>	<b>6,45,700</b>	<b>4,50,022</b>	<b>1,33,924</b>	<b>3,61,500</b>

### 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			
	<b>Total</b>	<b>9,50,000</b>			

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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
<b>Total</b>		<b>1,21,500</b>	<b>55,386</b>	<b>25,734</b>	<b>29,652</b>

### 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
<b>Total</b>		<b>3,43,725</b>	<b>2,41,134</b>	<b>42,585</b>	<b>1,98,549</b>

### 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			
<b>Total</b>		<b>6,92,950</b>			

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## 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				
<b>Total</b>		<b>4,07,300</b>	<b>3,08,069</b>	<b>1,05,500</b>	<b>2,78,900</b>

### 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
<b>Total</b>		<b>15,02,770</b>	<b>13,38,669</b>	<b>8,28,870</b>	<b>5,70,500</b>

### 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			
<b>Total</b>		<b>13,72,000</b>			

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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
<b>Total</b>		<b>24,000</b>	<b>23,813</b>	<b>13,813</b>	<b>10,000</b>

### 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
<b>Total</b>		<b>15,48,000</b>	<b>15,03,364</b>	<b>15,408</b>	<b>14,87,956</b>

### 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			
<b>Total</b>		<b>1,77,720</b>			

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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
<b>Total</b>		<b>8,13,200</b>	<b>4,81,715</b>	<b>1,56,698</b>	<b>3,60,950</b>

### 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
<b>Total</b>		<b>29,52,900</b>	<b>26,54,761</b>	<b>16,44,598</b>	<b>11,03,670</b>

### 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			
<b>Total</b>		<b>19,65,000</b>			

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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
<b>Total</b>		<b>5,37,100</b>	<b>5,45,024</b>	<b>43,439</b>	<b>5,01,585</b>

### 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
<b>Total</b>		<b>404860</b>	<b>264987</b>	<b>47987</b>	<b>217000</b>

### 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			
<b>Total</b>		<b>4,24,000</b>			

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## 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
<b>Total</b>		<b>79,00,000</b>	<b>73,88,210</b> ✓	<b>73,88,210</b>	<b>0</b>

### 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
<b>Total</b>		<b>81,00,000</b>	<b>68,92,020</b> ✓	<b>68,92,020</b>	<b>0</b>

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**Proposed 2018-19**

S.No.	Branch/Section	Budget	Total Expenditure	Expenditure by the Institute	(In INR) 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			
<b>Total</b>		<b>85,00,000</b>			

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# OUTCOME BASED EDUCATION (OBE)

## PRACTICES

Actions taken based on the results of evaluation of relevant POs and PSOs (10) (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

PO's	Target Level (%)	Attainment Level (%)	Observations
PO1: Engineering Knowledge			
PO1	72.22	63.33	<b>Observations:</b> Basic knowledge of analysis is not well understood Students are not exposed to mathematical basic fundamental.
Action 1: more emphasis is given to mathematics to increase the attainment of course. Action 2: More tutorial classes to discuss basic mathematics.			
PO2: Problem analysis			
PO2	66.66	58.88	<b>Observations :</b> Students find it difficult to solve the engineering problems Basic knowledge of design is not well understood
Action 1: Additional classes to be conducted for the slow learners. Action 2: More assignment process is to be adapted.			
PO3: Design/development of solutions:			
PO3	72.22	63.33	<b>Observations:</b> Basic knowledge of analysis is not well understood Students are not exposed to mathematical basic fundamental.
Action 1: More tutorial classes are conducted for engineering mathematics. Action 4: Project exhibition is introduced to make them learn problem formulation and solution.			
PO4: Conduct investigations of complex problems:			
PO2	66.66	58.88	<b>Observations :</b> Students find it difficult to solve the engineering problems Basic knowledge of design is not well understood
Action 1: Additional classes to be conducted for the slow learners. Action 2: more assignment process is to be adapted.			
PO5: Modern tool usage:			
PO5	77.77%	68.88%	<b>Observations :</b> • Subject involves both analysis and design
Action 1: more technical events are organized in institute level. Action 2: Students are motivated to participate in events involving modern tools like Hackathon.			
PO6: The engineer and society:			

PO6	66.66%	58.0%	<b>Observations :</b> <ul style="list-style-type: none"><li>The courses of B.Tech first year are addressing the needs of, health, safety and social concerns regarding engineering practices in real life.</li></ul>
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Action 1: To understand the safety concerns and social aspects, students visited industry to expand their practical knowledge with the effect of improved practices in engineering.

**PO7: Environment and sustainability:**

PO7	66.66%	56.80	<b>Observations :</b> <ul style="list-style-type: none"><li>The issues of global and environmental awareness among the student should be improved.</li></ul>
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Action 1: Motivation is given on environmental issues for first year students.

Actions 2: Events like green and clean campus are organized in the campus to attain this PO.

**PO8: Ethics:**

PO8	NA	NA	<b>Observations:</b> <ul style="list-style-type: none"><li>Not mapped with first year engineering maths.</li></ul>
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**PO9: Individual and team work:**

PO9	75.00%	63.33%	<b>Observations:</b> <ul style="list-style-type: none"><li>The students are not able to work as individual as well as in team.</li></ul>
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Action 1: motivational classes, technical activity, social activity are taken to get more involvement of students in different activity.

Action 2: Students are encouraged to participate in sports activities and project exhibition.

**PO10: Communication:**

PO10	52.38%	41.66%	<b>Observations:</b> <ul style="list-style-type: none"><li>The communication, presentation and report writing skills are to be further improved among the students.</li></ul>
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Action 1: Soft skills training /labs is imparted to students to enhance various aspects of communication/technical talks by group discussions, presentations and new learning outcomes.

Actions 2: Students are encouraged to give presentations in the classes.

PO11	NA	NA	<b>Observations:</b> <ul style="list-style-type: none"><li>NA</li></ul>
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**PO12: Life-long learning:**

PO12	33.33%	26.58	<b>Observations :</b> <ul style="list-style-type: none"><li>The pre first year and first year courses of the program are demonstrating the resource for contemporary issues and lifelong learning.</li></ul>
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Action 1: Lecture content includes knowledge of new technological developmental tools and new Products.

Action 2: Strong Induction Program me is introduced to inculcate seeds of good engineer and good human being in students.

## **QIV RATING 2016-17 AND 2017-18**

1. As per the RTU the QIV points were made available for the year 2016-17 were 616/1000.
2. The corrective measures were taken on the same and for the year 2017-18 and the QIV points awarded 740/1000.

V. (Signature)

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## CONSULTANCY

	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
<b>Total number of consultancy projects</b>	18	10	22
<b>Total number of client organizations</b>	02	02	15
<b>Amount</b>	3,90,750.00	2,62,630.00	2,30,401.00



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# **PROPOSED ACTIVITIES**

## **i. Best Practices**

The departments are working on outcome based education and the letter related to content beyond syllabus will be sent to university by the departments and also will be going for NBA accreditation.

## **ii. Industry Tie-UPS**

During the period 2017-18 a total of 11 MoUs were signed out of which 9 at National level and 2 at International level. This year new avenue will be found at National and International level for the betterment of the students.

## **iii. Conferences**

Following activities are planned –

- International conference on Emerging Trends in Expert Applications & Security (ICETEAS 2019)
- National conference on Engineering Applications of Material Science
- National conference on Recent Advancements in Science and Technology (RAST 2019)
- Recent Technological Developments in Electronics and Electrical Engineering-2019 (RTDEEE-2019)
- Recent Innovations & Technological development in Mechanical Engineering (RITDME-2019)
- Information Technology and Digital Applications (ICITDA-2019)
- Short term courses, seminars, workshops etc.

## **iv. International Conferences**

International conferences, workshops are proposed at JECRC Campus and also at abroad. The 1st in the line is the The Computational and Web Intelligence Summit (CI 2018) at Bangkok, Thailand which is scheduled at September 14-15, 2018.

V. *QW*

v. **International Tie-Ups**

Discussions are going on for research activities and also students exchange at Lincoln University, UK. Some association has been established at Brunel University, London and Dudley College, UK. Others will be explored in 2018-19 wherein higher education delegation will be visiting USA during August-September 2018.

vi. **Achievement of HOD**

Dr. Vinay Kumar Chandna has been awarded Level-5 degree on Leadership & Management, from CMI, London.

vii. **GATE summary**

**GATE – 2018 Qualified**

S.No.	Branch	Number of qualified students
1	Civil Engineering	27
2	Computer Science & Engineering	17
3	Electrical Engineering	12
4	Electronics & Communication Engineering	4
5	Information Technology	1
6	Mechanical Engineering	16

viii. **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

V. @ew

2016-2017

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

*Signature*  
Accounts Officer 26/5/18

2017-2018

## 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
	<b>Total</b>	<b>25,68,50,000.00</b>	<b>26,41,85,202.09</b>

S. Sengar  
Accounts Officer 26/5/18