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GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,LATUR

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Part B

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (200)

2.1 Program Curriculum (40)

2.1.1 State the process used to identify extent of compliance of the Board curriculum for attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs) as mentioned in AnnexureI. Also mention the identified curricular gaps, if any (25)

Note: In case all POs and PSOs are being demonstrably met through Board Curriculum then 2.1.2 will not be applicable and the weightage of 2.1.1 will be 40.

A. Process used to identify extent of compliance of curriculum for attaining POs & PSOs (15) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=437\)](#)

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A. Process used to identify extent of compliance of curriculum for attaining POs & PSOs (15)

All over the Maharashtra , Diploma Engineering institutes are affiliated to Maharashtra State Board of Technical Education(MSBTE), Mumbai. MSBTE

designed manual for Curriculum Implementation And Assessment Norms (CIAAN 2011) to identify extent of compliance of curriculum for attaining POs &

PSOs. The process include three phases as follows :

Phase I- Curriculum Development

Phase II - Curriculum Implementation

Phase III- Student Assessment

Phase I- Curriculum Development

The MSBTE has decided to adopt following strategies to develop the curriculum of G Scheme.

1. For each discipline a core team was formed to revise the present curriculum which has been done through the questionnaire responded by concerned teachers.
2. The MSBTE conducted industry survey to find out role of diploma holders, It is due to recent advertisements in technology and changing needs of industry & society.
3. To conduct search conference for identifying specific area for which skilled manpower is required.
4. Curriculum is developed / revised through identified project institute with experienced faculties and under guidance of education consultants.
5. In order to develop the curriculum on sound principles of education the faculties is trained in different areas.

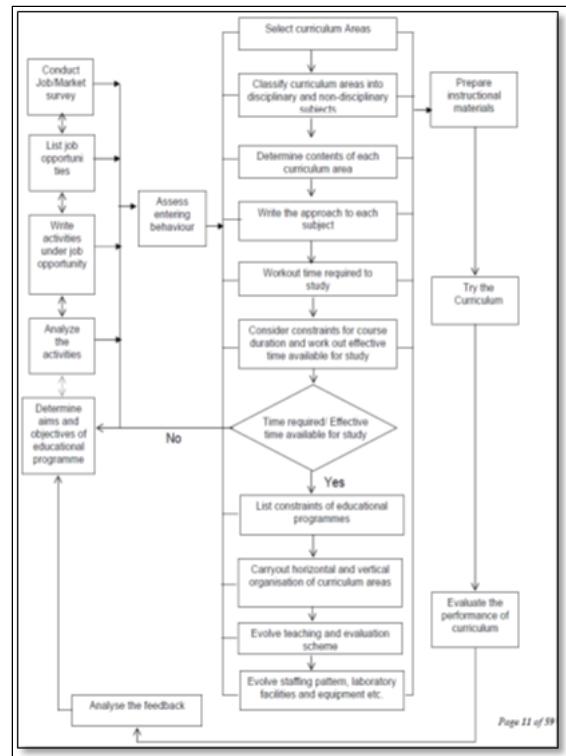


Fig no. 2.1.1.1 shows a schematic approach to curriculum development

Phase II - Curriculum Implementation

To ensure effective curriculum implementation, the management structure has been proposed under the control of MSBTE such as ICIU, EAMC and IAMC.

Strategies for curriculum implementation

1. State Level:

Academic committees of MSBTE through Expert committees will formulate the policies and guidelines and communicate the same to the institutions.

2. Institute Level:

The Principal select a faculty as Academic coordinator through ICIU to develop the plan of implementation for all the disciplines and follow uniform procedures as directed by MSBTE time to time.

3. Departmental Level:

The Head of the Department shall prepare *session plan* of implementation and take review of the progress from faculty and students

4. Individual (Teacher) Level:

The subject teacher prepares the session plan for class room sessions and practical sessions to make sure attainment of CO,PO,PSO.

Mechanism For Curriculum Implementation

1. Institution Curriculum Implementation Unit (ICIU) is set-up in every polytechnic. This unit is responsible for institutional planning, monitoring curriculum implementation and to maintain the records.
2. External Academic Monitoring Committee (EAMC) - In order to ensure proper implementation of the curriculum, a committee will be formed. The members of the committee will be from other institutions. External Monitoring is performed in Even semester of the year
3. Internal Academic Monitoring Committee (IAMC) - The ex-officio members of the ICIU will form the committee for internal monitoring. This committee is expected to follow the guidelines provided by MSBTEs External Academic Monitoring norms and ensure its implementation for all the departments in the institute.

Also the Internal Academic Monitoring is conducted in Even semester of the year before External Monitoring with following gradation.

Gradation of Institutes based on the marks obtained in the Academic monitoring		
Grade	Weightage Obtained	Remarks
A	70% and More	Excellent (Issue Letter of Appreciation)
B	60% to 69%	Good
C	50% to 59%	Satisfactory
D	40% to 49%	Issue Warning
E	40% & Less than 40	Poor (Show Cause Notice)

Table no. 2.1.1.1 MSBTE Gradation Table for G Scheme

Sr. No	Academic Monitoring Grade	Percentage of marks obtained (Out of 250)
1	Excellent	$\geq 86\%$
2	Very Good	$\geq 71\% \text{ to } \leq 85\%$
3	Good	$\geq 56\% \text{ to } \leq 70\%$
4	Satisfactory	$\geq 40\% \text{ to } \leq 55\%$
5	Poor	$< 40\%$

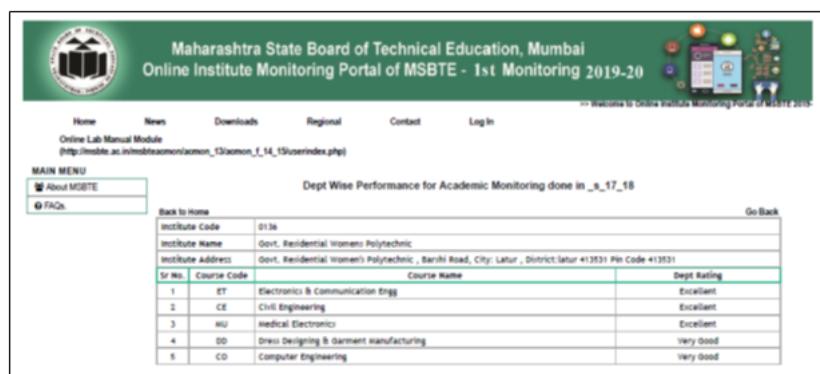


Table no. 2.1.1.2 MSBTE Gradation Table for I Scheme

Following **Table no. 2.1.1.2** shows grade awarded from MSBTE appointed EAMC to Computer Engineering Department.

Academic Year	EAMC Grade
2016-2017	Very Good
2017-2018	Very Good
2018-2019	Very Good
2019-2020	Excellent

Table no. 2.1.1.2 Grade awarded from EAMC to Computer Engineering Department



Course Name	Dept Rating
Electronics & Communication Engg	Excellent
Civil Engineering	Excellent
Medical Electronics	Excellent
Dress Designing & Garment Manufacturing	Very Good
Computer Engineering	Very Good

Image no. 2.1.1.1 Academic Year 2017-2018 grade awarded from EAMC to Computer Engineering Department

MSBTE G Scheme curriculum for Program Computer Engineering is having following six semester structure.

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI																		
TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																		
COURSE NAME : MECHANICAL/CIVIL/CHEMICAL/COMPUTER/ELECTRONICS/ELECTRICAL ENGINEERING GROUPS																		
COURSE CODE : AE/CE/CH/CM/CO/CR/CS/CW/DE/EE/EP/IF/EJ/EN/ET/EV/EX/IC/IE/IS/ME/MU/PG/PT/PS/CD/CV/ED/EI/FE/IU/MH/MI/DC/TC/TX																		
(8 SEMESTERS for CD / CV / ED / EI / FE / IU / MH / MI)																		
WITH EFFECT FROM 2012 - 13																		
SEMESTER : FIRST																		
PATTERN : FULL TIME - SEMESTER																		
SR. NO SUBJECT TITLE Abbreviation SUB CODE	TEACHING SCHEME						EXAMINATION SCHEME											
	TH	TU	PR	PAPER HRS.		TH (1)		PR (4)		OR (8)		TW (9)		SW (17100)				
				Max	Min	Max	Min	Max	Min	Max	Min							
	1	English	ENG	17101	03	—	02	03	100	40	—	—	—	—	—	—	25@ 10	
	2*	Basic Science	Physics	EPH	17103	02	—	02	02	50	100	40	25@	50	20	—	—	
			Chemistry	ECH	17103	02	—	02	02	50	100	40	25@	50	20	—	—	
	3	Basic Mathematics	BMS	17104	04	01	—	03	100	40	—	—	—	—	—	—	—	
	4	Engineering Graphics	EGG	17001	02	—	04	—	—	—	—	50#	20	—	—	50@ 20	—	
	5	Computer Fundamentals	CMF	17002	01	—	04	—	—	—	—	50#*	20	—	—	25@ 10	—	
	6																	
	Basic Workshop Practice (Civil Group)																	
	Basic Workshop Practice (Electrical Group)																	
	Basic Workshop Practice (Electronics Group)																	
	Basic Workshop Practice (Mechanical & Chemical Group)																	
	Basic Workshop Practice (Computer Group)																	
	TOTAL																	
	14 01 18 — 300 — 150 — — — — 150 — — — — 50 — 50																	

Student Contact Hours Per Week: 33 Hrs.
 Theory and practical periods of 60 minutes each. Total Marks : 650
 @ Internal Assessment, # External Assessment, * On Line Examination, No Theory Examination.
 Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW-Term work, SW- Sessional Work

- Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).
- Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms
- Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code as mentioned.

* Basic Science is divided into two parts- Basic Physics and Basic Chemistry. Theory examination of both parts as well as practical examination of both parts will be conducted on separate days. Sum of theory marks of both parts shall be considered for passing theory examination of Basic Science. Similarly it is also applicable to practical examination. It is mandatory to appear theory and practical examination of both parts. Remaining absent in any examination of any part will not be declared successful for that examination head.

* Candidate remaining absent in examination of any one part of Basic Science subject i.e. Physics, Chemistry will be declare as Absent in Mark List and has to appear for examination. The marks of the part for which candidate was present will not be processed or carried forward.

Image no. 2.1.1.2 Teaching Scheme for G Scheme First Semester (CO1G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI																		
TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																		
COURSE NAME : COMPUTER ENGINEERING GROUP																		
COURSE CODE : CO/CD/CM/CW/IF (8 SEMESTERS for CD)																		
DURATION OF COURSE : 6 SEMESTERS For CO/CM/CW/IF (8 SEMESTERS for CD) WITH EFFECT FROM 2012-13																		
SR. NO SUBJECT TITLE Abbreviation SUB CODE	TEACHING SCHEME						EXAMINATION SCHEME											
	TH	TU	PR	PAPER HRS.		TH (1)		PR (4)		OK (8)		TW (9)		SW (17200)				
				Max	Min	Max	Min	Max	Min	Max	Min							
	1	Communication Skills \$	CMS	17201	07	—	07	03	100	40	—	—	25@ 10	10	25@ 10	—	—	
	2*	Applied Science	Physics	APH	17210	02	—	02	02	50	100	40	25@	50	20	—	—	—
			Chemistry	ACH	17211	02	—	02	02	50	100	40	25@	50	20	—	—	—
	5	Programming in 'C'	PIU	1/212	05	—	04	05	100	40	25#	10	—	—	—	25@ 10	—	—
	4	Basic Electronics	BEL	17213	03	—	02	03	100	40	—	—	—	—	—	—	25@ 10	—
5	Engineering Mathematics \$	EMS	17216	03	01	—	03	100	40	—	—	—	—	—	—	—	—	
6	Development of Life Skills \$	DLS	17010	01	—	02	—	—	—	—	—	—	—	25@ 10	10	—	—	
7	Web Page Designing	WPD	17013	01	—	02	—	—	—	—	—	50@	20	—	—	—	—	
TOTAL																		
17 01 16 — 500 — 125 — 50 — 75 — 50																		

Student Contact Hours Per Week: 34 Hrs.
 THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.
 Total Marks : 800
 @ Internal Assessment, # - External Assessment, No Theory Examination, \$ - Common to all branches
 Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW-Term Work, SW- Sessional Work

- Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).
- Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.
- Code numbers for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

* Applied Science is divided into two parts- Applied Science (Physics) and Applied Science (Chemistry). Theory examination of both parts as well as practical examination of both parts will be conducted on separate days. Sum of theory marks of both parts shall be considered for passing theory examination of Applied Science. Similarly it is also applicable to practical examination. It is mandatory to appear theory and practical examination of both parts. Remaining absent in any examination of any part will not be declared successful for that examination head.

* Candidate remaining absent in examination of any one part of Applied Science subject i.e. Physics, Chemistry will be declare as Absent in Mark List and has to appear for examination. The marks of the part for which candidate was present will not be processed or carried forward.

Image no. 2.1.1.3 Teaching Scheme for G Scheme Second Semester (CO2G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																					
COURSE NAME : COMPUTER ENGINEERING GROUP																					
COURSE CODE : CO/CD/CM/CW/IF																					
DURATION OF COURSE : 6 SEMESTERS For CO/CM/CW/IF (8 SEMESTERS for CD)												WITH EFFECT FROM 2012-13									
SEMESTER : THIRD												DURATION : 16 WEEKS									
FULL TIME / PART TIME : FULL TIME																					
SCHEME : G																					
SR. NO.	SUBJECT TITLE	Abbreviation	SUB CODE	TEACHING SCHEME			EXAMINATION SCHEME														
				TH	TU	PR	PAPER HRS.	TH (1) Max	TH (1) Min	PR (4) Max	PR (4) Min	OR (8) Max	OR (8) Min	TW (9) Max	TW (9) Min	SW (17300)					
1	Applied Mathematics \$	AMS	17301	03	--	--	03	100	40	--	--	--	--	--	--	--					
2	Data Structure Using 'C'	DSU	17330	04	--	04	03	100	40	50#	20	--	--	25@	10	50					
3	Electrical Technology	ETE	17331	03	--	02	03	100	40	--	--	--	--	25@	10						
4	Relational Database Management System	RDM	17332	04	--	04	03	100	40	--	--	25#	10	50@	20						
5	Digital Techniques	DTE	17333	03	--	02	03	100	40	--	--	--	--	25@	10						
6	Graphical User Interface (GUI) Programming	GUI	17026	--	--	02	--	--	--	50@	20	--	--	--	--						
7	Professional Practices-I	PPO	17027	--	--	03	--	--	--	--	--	--	--	50@	20						
TOTAL				17	--	17	--	500	--	100	--	25	--	175	--	50					

Student Contact Hours Per Week: 34 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks : 850

@ - Internal Assessment, # - External Assessment, No Theory Examination, \$ - Common to all branches

Abbreviations: TH-Theory, TU-Tutorial, PR-Practical, OR-Oral, TW-Term Work, SW- Sessional Work
 ➤ Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).
 ➤ Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.
 ➤ Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

Image no. 2.1.1.4 Teaching Scheme for G Scheme Third Semester (CO3G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																					
COURSE NAME : COMPUTER ENGINEERING GROUP																					
COURSE CODE : CO/CD/CM/CW																					
DURATION OF COURSE : 6 SEMESTERS for CO/CM/CW 8 SEMESTERS for CD												WITH EFFECT FROM 2012-13									
SEMESTER : FOURTH												DURATION : 16 WEEKS									
PATTERN : FULL TIME - SEMESTER																					
SR. NO.	SUBJECT TITLE	Abbreviation	SUB CODE	TEACHING SCHEME			PAPER HRS.	EXAMINATION SCHEME													
				TH	TU	PR		TH (1) Max	TH (1) Min	PR (4) Max	PR (4) Min	OR (8) Max	OR (8) Min	TW (9) Max	TW (9) Min	SW (17400)					
1	Environmental Studies \$	EST	17401	01	--	02	01	50#*	20	--	--	--	--	25@	10	50					
2	Computer Hardware & Maintenance β	CHM	17428	03	--	02	03	100	40	25#	10	--	--	25@	10						
3	Computer Network	CNE	17429	03	--	04	03	100	40	50#	20	--	--	25@	10						
4	Microprocessor and Programming β	MAP	17431	03	--	02	03	100	40	25#	10	--	--	25@	10						
5	Object Oriented Programming β	OOP	17432	03	--	04	03	100	40	50#	20	--	--	25@	10						
6	Computer Graphics	CGR	17056	01	--	02	--	--	--	50#	20	--	--	25@	10						
7	Professional Practices-II β	PPT	17042	--	--	03	--	--	--	--	--	--	--	50@	20						
TOTAL				14	--	19	--	450	--	200	--	--	--	200	--	50					

** Industrial Training (Optional) Examination in 5th Semester Professional Practices-III

Student Contact Hours Per Week: 33 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks : 900

@ - Internal Assessment, # - External Assessment, No Theory Examination, \$ - Common to all branches, ** - Online Examination,

β - Common to IF

Abbreviations: TH-Theory, TU-Tutorial, PR-Practical, OR-Oral, TW-Term Work, SW- Sessional Work.

** Industrial Training (Optional) - Student can undergo Industrial Training of four weeks after fourth semester examination during summer vacation.

Assessment will be done in Fifth semester under Professional Practices-III. They will be exempted from activities of Professional Practices-III of 5th Semester.

➤ Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).

➤ Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.

➤ Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

Image no. 2.1.1.5 Teaching Scheme for G Scheme Fourth Semester (CO4G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																
COURSE NAME : DIPLOMA IN COMPUTER ENGINEERING																
COURSE CODE : CO																
DURATION OF COURSE : 6 SEMESTERS										WITH EFFECT FROM 2012-13						
SEMESTER : FIFTH										DURATION : 16 WEEKS						
PATTERN : FULL TIME - SEMESTER																
SR. NO.	SUBJECT TITLE	Abbre viation	SUB CODE	TEACHING SCHEME			PAPER HRS.	TH (1)		PR (4)		OR (8)		EXAMINATION SCHEME		SW (17500)
				TH	TU	PR		Max	Min	Max	Min	Max	Min	Max	Min	
1	Operating System β	OSY	17512	03	--	02	03	100	40	--	--	--	--	25@	10	50
2	Software Engineering β	SEN	17513	03	--	--	03	100	40	--	--	--	--	--	--	
3	Computer Security	CSE	17514	03	--	02	03	100	40	--	--	--	--	25@	10	
4	Java Programming β	JPR	17515	03	--	04	03	100	40	50#	20	--	--	25@	10	
5	Behavioural Sciences $\$$	BSC	17075	01	--	02	--	--	--	--	25#	10	--	25@	10	
6	Windows Programming Using VC++	PWV	17076	01	--	02	--	--	--	25#	10	--	--	25@	10	
7	Network Management and Administration β	NMA	17061	01	--	04	--	--	--	50#	20	--	--	25@	10	
8	Professional Practices - III / Industrial Training (Optional)** β	PPT	17062	--	--	02	--	--	--	--	--	--	--	50@	20	
TOTAL				15	--	18	--	400	--	125	--	25	--	200	--	50

Student Contact Hours Per Week: 33 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks : 800

@ - Internal Assessment, # - External Assessment, β No Theory Examination, \$ - Common to all branches, ** Online Examination. β - Common to IF/CM/CW/CD

** Students who have done Industrial Training of four week after fourth semester examination during summer vacation will be exempted from some of the activities of Professional Practices-III of fifth Semester and Assessment of Industrial Training will be done in fifth semester under Professional Practices-III

Abbreviations: TH-Theory, TU-Tutorial, PR-Practical, OR-Oral, TW-Term Work, SW- Sessional Work.

➤ Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).

➤ Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.

➤ Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

Image no. 2.1.1.6 Teaching Scheme for G Scheme Fifth Semester (CO5G)

w.e.f Academic Year 2012-13																	
MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																	
COURSE NAME : COMPUTER ENGINEERING GROUP																	
COURSE CODE : CO										WITH EFFECT FROM 2012-13							
DURATION OF COURSE : 6 SEMESTERS For CO and 8 SEMESTERS for CD										DURATION : 16 WEEKS							
SEMESTER : SIXTH																	
PATTERN : FULL TIME - SEMESTER																	
SR. NO.	SUBJECT TITLE	Abbre viation	SUB CODE	TEACHING SCHEME			PAPER HRS.	TH (1)		PR (4)		OR (8)		EXAMINATION SCHEME		T H I R E S C H E M E N T S C O D E	
				TH	TU	PR		Max	Min	Max	Min	Max	Min	Max	Min		
1	Management $\$$	MAN	17601	03	--	--	1&½	50#*	20	--	--	--	--	--	--	25@	
2	Software Testing	STE	17624	03	--	02	03	100	40	50#	20	--	--	--	--	25@	
3	Advanced Java Programming β	AJP	17625	03	--	04	02	100#*	40	50#	20	--	--	--	--	50@	
4	Elective (Any One)																
	Embedded System	ESY	17626	03	--	02	03	100	40	--	--	--	--	--	--	25@	
	Advanced Microprocessor	AMI	17627	03	--	02	03	100	40	--	--	--	--	--	--	25@	
5	Linux Programming	LPR	17816	01	--	04	--	--	--	50#	20	--	--	--	--	25@	
6	Industrial Project β	IPR	17817	--	--	04	--	--	--	--	--	--	--	50#	20	50@	
7	Entrepreneurship Development β	EDE	17818	01	01	--	--	--	--	--	--	--	--	--	--	25@	
TOTAL				14	01	16	--	350	--	150	--	50	--	--	--		

Student Contact Hours Per Week: 31 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks : 800

@ - Internal Assessment, # - External Assessment, β No Theory Examination, \$ - Common to all branches, ** Online Examination. β - Common to CM/IF/CW/CD

Abbreviations: TH-Theory, TU-Tutorial, PR-Practical, OR-Oral, TW-Term Work, SW- Sessional Work.

➤ Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).

➤ Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.

➤ Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

Image no. 2.1.1.7 Teaching Scheme for G Scheme Sixth Semester (CO6G)

All semester teaching scheme of Computer Engineering Program can be summarised as shown in following Table.

Semester	Teaching Scheme			No. of Courses	Students Contact Hours Per Week (TH+TU+PR)						Examination Scheme				
	TH	TU	PR		TH	PR	OR	TW	SW	Total Marks					
First	14	01	18	6	33		300	150	00	150	50				650
Second	17	01	16	7	34		500	125	50	75	50				800
Third	17	--	17	7	34		500	100	25	175	50				850
Fourth	14	--	19	7	33		450	200	--	200	50				900
Fifth	15	--	18	8	33		400	125	25	200	50				800

Sixth	14	01	16	7	31	350	150	50	200	50	800
Total	91	3	104	42	198	2500	850	150	1000	300	4800

Table no. 2.1.1.3 Summary Table

PO and PSO for Computer Engineering Program is listed as below :

POs / PSOs	Description of PO /PSO
PO1	Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
PO2	Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.
PO3	Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
PO4	Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
PO5	Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.
PO6	Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
PO7	Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.
PSO1	Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.
PSO2	Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems

Table no. 2.1.1.4 List of PO and PSO

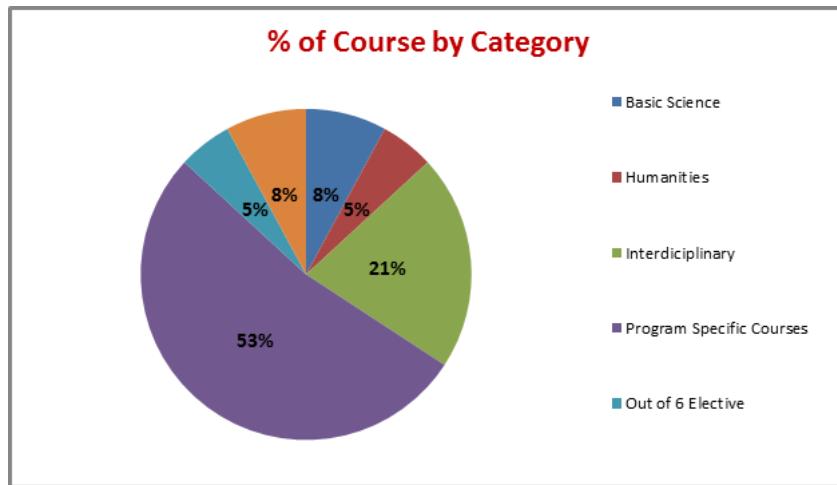
G scheme courses are grouped as per course component. Following shows the mapping of courses with PO's and PSO's

Computer Engineering Curriculum Grouping based on Course Categories	Number of the Courses	% of the Course	PO's	PSO's
Basic Science	03	8%	PO1, PO2, PO3	PSO1
Humanities	02	5 %	PO2, PO3, PO4	PSO1
Inter Disciplinary	08	21 %	PO1, PO2, PO3, PO4, PO5, PO7.	PSO1,PSO2

Program Specific Courses	20	53 %	PO1, PO2, PO3, PO4, PO5, PO7.	PSO1,PSO2
Elective	02	5 %	PO1, PO2, PO3, PO4, PO5, PO7.	PSO1,PSO2
Projects, Industrial Trainings/Seminars and Lab Practices	03	8 %	PO1, PO2, PO3, PO4, PO5, PO6, PO7.	PSO1,PSO2

Table no. 2.1.1.5 Mapping of POs and PSOs with Courses

Following Pie Chart shows the % of Course by its categories :



Phase III- Students Assessment

Students are assessed using CIAAN 2011 Proforma's on following parameters.

- As per academic calendar and examination scheme there are two progressive tests conducted for every course. All courses progressive test marks are filled in Proforma D6 and sent to MSBTE.
- Term work marks given by subject teacher for each experiment on continuous assessment and skill test shall be added and converted to final marks using Proforma D4 as per teaching examination scheme and sent to MSBTE.
- Practical work is assessed by internal and external examiner during term end examination as per examination scheme.
- For Assessment of Practicals / Orals / Online tests /Project Examination the marks are divided in two components. The first component has marks out of 30 obtained in skill test conducted by the subject teacher and the second component based on actual performance in the practical or oral examination.
- Total 100 marks are converted as per Teaching Examination Scheme in Proforma D5 and sent to MSBTE.
- Term end examination has subjective papers as per examination scheme specified in Curriculum.

Marks obtained by the students in above assessment are used for calculating attainment.

- B. List the curricular gaps for the attainment of POs & PSOs (10) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=435\)](#)

[Edit Answer](#)

For every 5 years, MSBTE revises the curriculum, after taking feedback from all the stakeholders such as course experts, industry experts,

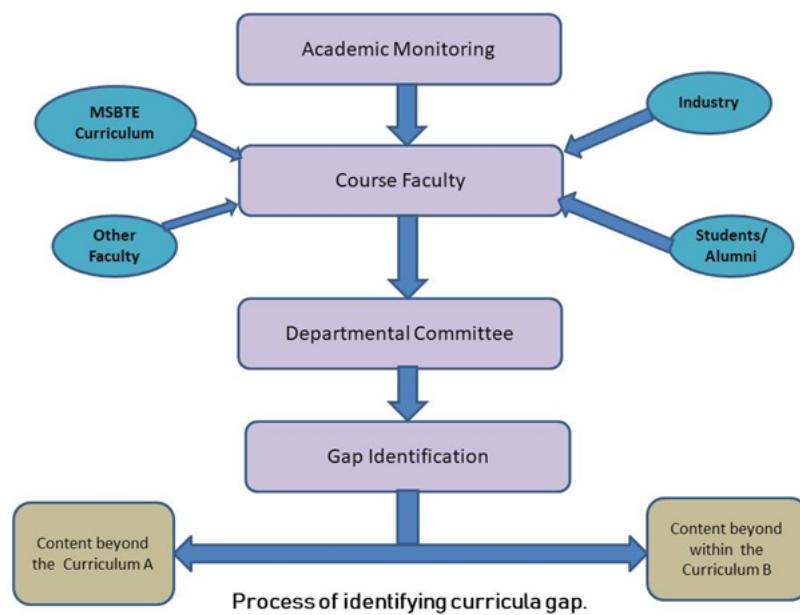
alumni and the students etc.. It is very difficult to satisfy all the needs of the industry through the curriculum. The interaction with the alumni and

the industry experts reveals the weak areas in the diploma curriculum. This feedback helps to find the curriculum gap.

While implementing some curriculum gaps in CO-PO-PSO the mapping matrix is observed by the teaching faculties.

A subject teacher also undertakes the thorough study of the curriculum as a whole. Considering the POs with the less or no weightage in CO-PO-PSO matrix, interaction with the industry expert is carried out and accordingly action is planned and executed during academic session.

The following diagram shows the process of identifying the curricular gaps. -



Here the contents beyond the curriculum A is referred to the emerging trends and technologies in Computer engineering and content within the curriculum

B refers to the contents that are missing in the curriculum.

The following Table gives the details of the gaps identified and the measures taken to satisfy the POs and PSOs.

Gap. No.	Curricular gaps	Measures Taken	POs & PSOs attained
Gap 1	Within a Unit student must be aware of the concept	Teaching faculty taught the concept through theory lectures	PO1,PO2,PO3,PO7,PSO1
Gap 2	Being Women's institute women empowerment in social, health, professional aspect	Conducted health camp, expert session, personality development program, tree plantation program etc	PO5
Gap 3	Introduction to recent trends in technology	Conducted workshop, expert lectures	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2

2.1.2 Contents beyond the Syllabus (15)

(Provide details of the additional course/learning material/content/laboratory experiments/projects etc., arising from the gaps identified in 2.1.1. the delivery details and relevance to POs and PSOs for each of the assessment year in the format given below)

A. Steps taken to get identified gaps included in the curriculum (eg. letters to Board) (2) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=438\)](#)

[Edit Answer](#)

Following faculty members of this institute have worked for curriculum revision process at various stages for MSBTE curriculum and also worked as member of program board of studies for curriculum revision of autonomous institute.

Sr. No	Name of faculty	Program	Name of organization	Nature of work
1	Smt J R Hange Head of Computer Engineering	CO	MSBTE	I-Scheme Curriculum revision and Lab manual Development.

B. Delivery details of content beyond syllabus (10) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=439\)](#)

[Edit Answer](#)

With fast changing technology, it is very difficult to satisfy all the needs of industry through curriculum. To keep the student updated with latest advancements and contemporary need in the field, the department conducted various activities like expert lectures, industrial visits, Karate and Yoga programs, personality development programmes etc. Table shown in bit 2.1.2C & 2.2.5.4 gives various activities conducted by the department during CAY (2019-2020), CAYm1 (2018-19), and CAYm2 (2017-18)

C. Mapping of content beyond syllabus with the POs & PSOs (3) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=440\)](#)

2019-20

[Edit](#)

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Gap 2	Health Camp	05/03/2020	Shreyas Rotary Club Doctor	Health check up, Medical inv	500	PO5
2	Gap 2	Fire Fighting Tra	17/02/2020	Dheeraj Enterprises, team, I	Live Demonstration, Oral de	550	PO5
3	Gap 2	International Ka	08/02/2020	Shri.Datta Kadam, Pravin K	Karate Demonstration	130	PO5
4	Gap 3	Expert Lecture o	27/01/2020	Mr.Shubham Jain,Software E	Oral Deliberation	108	PO1, PO5
5	Gap 2	Yog Shibir	28/01/2020	Vaishali Renapure, Sunita K	Yoga Demonstration, Counse	100	PO5
6	Gap 2	Women's Empow	06/01/2020	Smt.Wadkar Madam and Da	Oral Deliberation	600	PO5
7	Gap 2	Expert Lecture o	11/02/2020	Prof.D.D.Date, 2.Prof.A.P.Ma	Oral Deliberation,PPT	60	PO7
8	Gap 3	Orientation Prog	04/01/2020	MSBTE experts	Video Lecture	43	PO1,PO2,PO3,PC
9	Gap2	International Ka	13/12/2019	Shri.Datta Kadam, Pravin K	Karate Demonstration	130	PO5
10	Gap 1	Expert Lecture o	21/09/2020	Mr. Solunke P.T.Software De	Oral Deliberation, PPT	105	PO1,PO2,PO3,PC
11	Gap 1	Expert Lecture o	21/09/2020	Mrs.Panji P.P.Software Devel	Oral Deliberation, PPT	111	PO1,PO2,PO3,PC
12	Gap 2	STEP	24/09/2020	Mr. B. Ganesh,Thought Work	Oral Deliberation, PPT	54	PO1,PO7
13	Gap 2	Women's Health	08/09/2019	Dr.Shilpa Tadurwar, Suman I	Oral Deliberation, PPT	530	PO5
14	Gap 2	1 day Workshop	13/01/2020	Ms. A.S.Patil, Lecturer in Co	Oral Deliberation, PPT, Pract	60	PO1,PO7

2018-19

Edit

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	gap 2	Expert Lecton M	05/07/2018	R A Kulkarni Lect ME GRWP	PPT	50	PO5,PO6,PO7
2	Gap 3	Expert Lecture o	25/06/2018	Ms Kagde Nikita	Oral DEliberation	90	PO1 TO PO7
3	Gap 1	Two Days Works	01/09/2018	Mr. V. Sharma Ms. Ve	PPT, Oral/ Practical Demo	50	PO1 TO PO7 and
4	Gap 2	Logical Thinking	26/07/2018	Mrs. V.B. Swami Director, O	PPT	66	PO5, PO6,PSO1
5	Gap 3	Expert Lecture o	08/01/2019	Mr. S Mahajan	Oral Deliberation	122	PO1,PO2,PO3,PC
6	Gap 2	Expert lect on Jc	0801/02019	Mr. B. Ganesh,Thought Work	Oral Deliberation	62	PO1,PO2,PO3,PC
7	Gap 3	Technical Poster	27/09/2018	Ms A.S.Patil, Lecturer, Comj	Hand Made Posters	34	PO1 TO PO7
8	GAP 3	Blind Coding onC	12/09/2019	Ms A.S.Patil, Lecturer, Comj	Practical Deliberation	30	PO1 TO PO7
9	Gap 2	Swachhata Abhi	30/08/2018	S v Chavan , A S patil, Lect	Actual Conduction	108	PO1 TO PO7 and
10	Gap 2	Women's Empow	01/07/2019	Smt.Wadkar Madam and Da	Orl Deliberation	700	PO1,PO2,PO3,PC

2017-18

Edit

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Gap 2	Yoga Shibir	01/08/2017	Mr. Vyankat Shinde,Executive	Yoga demonstrations	40	PO5
2	Gap 2	STEP	09/01/2018	Mr. B. Ganesh,Thought Work	Oral Deliberation	62	PO1,PO2,PO3,PC
3	Gap 2	Expert Lecture o	19/08/2017	Mrs. Swami Varsha VA3 IT :	Oral Deliberation	120	PO1,PO7
4	Gap2	Health Camp	05/01/2018	Shreyas Rotary Club of Latu	Medical check up,Pathology	500	PO5,PO6,PO7
5	Gap 3	Expert lecture or	19/09/2017	Mr. Avinash Jadhav,	PPT and oral deliberation	60	PO1,PO2,PO3,PC
6	Gap 1	One Day Worksh	29/07/2017	Mr.Abhijit More CYIN PVT Ltc	PPT and oral deliberation	60	PO1,PO2,PO3,PC
7	Gap 2	Expert lecture or	20/01/2018	GRWP,Latur in association w	PPT	68	PO7
8	Gap 2	Expert lecture or	06/09/2017	Mr. Sacchinand Dhage	PPT	43	PO5,PO7
9	Gap 3	Technical Poster	29/09/2017	Mrs. A S Patil, Lecturer in Cc	Hand Made Posters	30	PO1,PO2,PO5,PC

2.2 Teaching - Learning Process (160)

2.2.1 Describe Processes followed to ensure/improve quality of Teaching & Learning based on following points (25)

A. Adherence to Academic Calendar (3) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=441\)](#)

[Edit Answer](#)

Each year the academic calendar is designed by MSBTE. And as per the academic calendar all the scheduled activities in institute and department are conducted very strictly.

Following Image shows Academic calendar of academic year 2017-2018.

Academic Calendar 2017-18									
No. No.	Activities	Odd semester except First semester Period	Even Semester Period	Yearly pattern Period	Yearly pattern Period	Odd semester except First semester Period	Even Semester Period	Yearly pattern Period	Yearly pattern Period
1	First Year	June 19 to October 14, 2017	July 17 to October 14, 2017	—	June 19 to October 14, 2017	July 17 to October 14, 2017	—	September 2017, First week	September 2017, First week
2	First Year Term	August 30 to September 15, 2017	August 30 to September 15, 2017	—	October 1 to 7, 2017	October 1 to 7, 2017	—	September 2017, Third week	September 2017, Third week
3	Second Year Term	October 11 to 13, 2017	October 26 to 27, 2017	—	—	—	—	October 2017, First week	October 2017, First week
4	Winter Break	October 14 to 21, 2017	October 18 to 25, 2017	—	October 18-25, 2017	October 18-25, 2017	—	January 2018, First week	January 2018, First week
5	Second Term	—	—	December 10 to 14, 2018	December 10 to 14, 2018	—	—	February 2018, First week	February 2018, First week
6	First Year Term	—	—	February 16 to 20, 2018	February 16 to 20, 2018	—	—	February 2018, Last week	February 2018, Last week
7	Second Year Term	—	—	March 20 to 23, 2018	March 20 to 23, 2018	—	—	May 2018, First week	May 2018, First week

* Commencement of term is immediately after the conclusion of several round of GAP.

Online Academic Monitoring Schedule									
No. No.	Activities	Odd semester except First semester Period	Even Semester Period	Yearly pattern Period	Yearly pattern Period	Odd semester except First semester Period	Even Semester Period	Yearly pattern Period	Yearly pattern Period
1	First semester	September 2017, First week	September 2017, First week	September 2017, First week	September 2017, First week	September 2017, Third week	September 2017, Third week	September 2017, Third week	September 2017, Third week
2	Online confirmation by Regional Review Committee	September 2017, First week	September 2017, First week	September 2017, First week	September 2017, First week	October 2017, Last week	October 2017, Last week	October 2017, Last week	October 2017, Last week
3	Online confirmation by Regional Review Committee	October 2017, Last week	October 2017, Last week	October 2017, Last week	October 2017, Last week	January 2018, First week	January 2018, First week	January 2018, First week	January 2018, First week
4	Communication to affiliated Institutions	January 2018, First week	January 2018, First week	January 2018, First week	January 2018, First week	February 2018, First week	February 2018, First week	February 2018, First week	February 2018, First week

WINTER 2017 Examination Schedule									
No. No.	Activities	Odd semester Regular examination and Even semester X candidates (except First Semester)	First Semester	Yearly pattern For X Candidates only	Period	Period	Period	Period	Period
1	Filling Examination Forms (Exam Fees)	August 18 to September 20, 2017	September 21 to 30, 2017 **	August 18 to September 20, 2017	—	—	—	—	—
2	Filing Examination Forms (With regular fees + Late fee of Rs. 200/-)	September 21 to 25, 2017	September 21 to 25, 2017 **	September 21 to 25, 2017	—	—	—	—	—
3	Filing Examination Forms (With regular fees + Penalty Rs. 200/-)	September 21 to 25, 2017	September 21 to 25, 2017 **	September 21 to 25, 2017	September 21 to 25, 2017 **	September 21 to 25, 2017			
4	Practical Exam	October 23 to November 06, 2017	October 30 to December 04, 2017	October 23 to December 04, 2017	—	—	—	—	—
5	Theory Exam	November 09 to November 30, 2017	November 12 to November 30, 2017	November 09 to November 30, 2017	—	—	—	—	—
6	Declaration of Result	January Second week	January Second week	January Second week	—	—	—	—	—

** Exam form will made available immediately after confirmation of examination process.

Affiliation & Enrollment Schedule 2017-18									
No. No.	Activities	AICTE & Non-AICTE Institution	First Semester / Second Semester Year	Final Year	Period	Period	Period	Period	Period
1	Submission of affiliation forms	May 21 to June 10, 2017 All institution	—	—	—	—	—	—	—
2	Submission of enrollment forms	—	One week after cutoff date of affiliation forms will be received by respective institutions	—	—	—	—	—	—
3	Intimation to state government to conduct additional examinations for academic activities if needed	—	—	—	—	—	—	—	—
4	All type of fees & penalties shall be necessarily deposited to regional office of the Board - next working day, next to the last date of concerned activities.	—	—	—	—	—	—	—	—
5	Intimation to state government to ensure that after confirming the examination forms with late fees, the question paper requirement is submitted to MEB within next day	—	—	—	—	—	—	—	—
6	After receiving intimation from concerned office, the concerned office shall be compelled with immediate examination or cancellation till the end of term.	—	—	—	—	—	—	—	—
7	In case of any emergency situation occurring results, the necessary amendment in the schedule of any activities, shall be done by concerned office.	—	—	—	—	—	—	—	—
8	The enrollment of the candidates shall remain provisional till the approval of result list of admitted candidates, has been received from State Board of Secondary Education.	—	—	—	—	—	—	—	—

M. S. Board of Technical Education, Mumbai

C/o: Mr. Dinesh, MEB, Mumbai – for information purpose.

2. Dr. Secretary, CEC, MEB, Mumbai – for information purpose.

3. Dr. Director, CEC, MEB, Mumbai – for information purpose.

4. Dr. Officer (D. 2, D-2 & D-4), MEB, Mumbai – for necessary action.

5. Postal Manager, MEB, Mumbai to display on the website.

At the same time our department also prepares departmental Academic Calender keeping adherence to MSBTE Academic Calender.

Following Image shows Departmental Academic calendar of academic year 2017-2018

Government Residential Women's Polytechnic,Latur

Computer Engineering Department

Departmental Academic Calendar (A.Y. 2017-2018)

Sr. no.	Odd Semester			Even Semester	
	Activity plan (Odd Semester)	Duration		Activity plan (Even Sem)	Duration
1	Student admission	12/06/2017 to 18/06/2017		Student admission	04/12/2018
2	Term duration	19/06/2017 to 14/10/2017		Term duration	11/12/2017 to 24/03/2018

3	Display % Attendance of student	07/08/2017	Display % Attendance of student	03/02/2018
4	First progressive Test	09/08/2017 to 11/08/2017	First progressive Test	07/02/2018 to 09/02/2018
5	Display % Attendance of student	09/10/2017	Display % Attendance of student	17/03/2018
6	Second Progressive Test	11/10/2017 to 13/10/2017	Second Progressive Test	20/03/2018 to 22/03/2018
7	Industrial Visits plan	01/07/2017 to 07/10/2017	Industrial Visits plan	01/01/2018 to 10/03/2018
8	Expert Lectures and Workshop plan	01/07/2017 to 07/10/2017	Expert Lectures and Workshop plan	01/01/2018 to 10/03/2018
9	First Internal Monitoring	Sept. 2017, First Week	Second Internal Monitoring	Feb. 2018 First Week
10	First External Academic committe visit and report submission Monitoring	NA since department has complited 5 years of establishment	Second External Academic committe visit and report submission Monitoring	Feb. 2018 Third Week
11	Term Work Submission	04/10/2017	Term Work Submission	12/03/2018
12	Probable Provisional Detention List of students	07/10/2017	Provisional Detention List of students	15/03/2018
13	Probable Final Detention List of students	10/10/2017	Final Detention List of students	17/03/2018
14	Department meeting	Monthly one meeting	Department meeting	Monthly one meeting
15	Filling Examination form	18/08/2017 to 01/09/2017	Filling Examination form	22/01/2018 to 03/02/2018
16	Filling Examination form Institute Conformation RBTE Conformation	14/09/2017 to 22/09/2017 22/09/2017 25/06/2017	Filling Examination form Institute Conformation RBTE Conformation	15/02/2018 to 20/02/2018 20/02/2018 21/02/2018
17	Tentative Practical Examination	23/10/2017 to 04/11/2017	Tentative Practical Examination	26/03/2018 to 05/04/2018
18	Tentative Theory Examination	09/11/2017 to 30/11/2017	Tentative Theory Examination	12/04/2018 to 09/05/2018
Start of Academic Session 2017-2018 : 17/06/2018				

Teaching made effective by planning the various tasks and using following different delivery methods to implement planning. Record is maintained using course file of each course.

1. Faculty Course files

Each course has course file consisting of Vision, Mission statement of programme, Programme Educational Objectives (PEO), Program Outcomes (PO)& Program Specific Outcomes(PSO), Course Outcome (CO), Individual Time table, Academic Calendar. Teaching plan (D1 format) ,Laboratory Plan (D2) ,Theory and Practical attendance, Progressive Test Analysis, Curriculum Coverage Table, D4,D5,Progressive Test Ques, Course curriculum.

<p>D-1 For AICTE Diploma Courses With Effect From 2011-12 Maharashtra State Board of Technical Education</p> <p>TEACHING PLAN (TP)</p> <p>Institute Code: _____ Course and Code : _____ Subject Code: _____ Semester : _____ Name of Faculty: _____</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Chapter No. (Total Brs.)</th> <th>Title Details</th> <th>Allocated Hrs. in Curriculum</th> <th>Date of Commencing Topic</th> <th>Date of Completion of Topic</th> <th>Teaching Method/Media</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1 (7)</td> <td>Topic 1 Subtopic 1.1 Subtopic 1.2</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Topic 2 Subtopic 2.1 Subtopic 2.2 Subtopic 2.3</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 (10)</td> <td>Topic 1 Topic 2 Subtopic 2.1</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>(Name & Signature of H.O.D.) (Name & Signature of Staff)</p>	Chapter No. (Total Brs.)	Title Details	Allocated Hrs. in Curriculum	Date of Commencing Topic	Date of Completion of Topic	Teaching Method/Media	Remarks	1 (7)	Topic 1 Subtopic 1.1 Subtopic 1.2	3						Topic 2 Subtopic 2.1 Subtopic 2.2 Subtopic 2.3	5					2 (10)	Topic 1 Topic 2 Subtopic 2.1	4							6					<p>D-2 For AICTE Diploma Courses With Effect From 2011-12 Maharashtra State Board of Technical Education</p> <p>LABORATORY/ASSIGNMENT SHEET/ JOB/PROJECT ACTIVITY PLANNING (LP)</p> <p>Institute Code: _____ Course and Code : _____ Subject Code: _____ Semester : _____ Name of Faculty: _____</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Name of Experiment Assignment Sheet/Job/Project Activity</th> <th>Date of Performance Planned</th> <th>Date of Completion</th> <th rowspan="2">Remark</th> </tr> <tr> <th>Batch A</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>Batch B</td> <td>B</td> </tr> <tr> <td></td> <td></td> <td>Batch C</td> <td>C</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Signature _____ Name of Faculty _____ Signature _____ Name of H.O.D. _____</p>	Sr. No.	Name of Experiment Assignment Sheet/Job/Project Activity	Date of Performance Planned	Date of Completion	Remark	Batch A	A	1		Batch B	B			Batch C	C	2					3					4					5				
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Teaching plan (TP) CIAAN Format D1

Laboratory Action Plan (TP) CIAAN Format

2. Pedagogical Delivery Methods

- Class room theory lectures – This method include traditional Black-board teaching method, Charts, PPT's on LCD projector, Video lectures (NPTEL).**
- Laboratory practical session-** Laboratory session work focus on improving motor skills of students. Encourage them to work in Cognitive domain, Psychomotor domain and Affective domain. Students learn concepts, handle equipments, record observations, interpret the results. Students follow safety practices and learn to work in team and as an individual.
- Simulations –** Some course practicals are performed using Simulation Softwares. Thus the students are exposed to different tools and experimentation.
- Project –** Theory concepts are implemented in practice using Micro projects, Mini projects and Final year capstone projects. Students demonstrate the projects under the guidance of faculty.
- Oral/ Viva-voce conduction-** It is one of the important assessment tool to get teaching – learning process feedback from students for external examiner. Students demonstrate theory and practical queries.
- Seminar –** Students give seminar using PPTs for project work presentation and also give seminar presentation by collecting information on any topic
- Assignments-** Assignments are given for improvement of student performance. These are not assessed for calculating attainment.
- Industrial Visits -** Industrial visits are organised to aware the students with industrial environment and work ethics.
- E-Learning Resources-** Videos and E-learning resources are shown to students for exploring content beyond syllabus from experts of institutes like NPTEL (SWAYAM), Spoken Tutorial.
- Group Discussion:** Class room group discussion activity embed professional skills in students. They are provoked to think deep, grab opportunity to express opinion while listening others. They try to come up with changing trends of market requirement.
- Expert Lecture:** Industry person expert lectures, personality and enterprisership development sessions play key role to inculcate professional skills , ethics, etiquettes in students. Students are aware of career improvement parameters for being a good engineer.
- Technical workshop:** Technical workshops introduce students recent trends in technologies and scope to improve professional skills in particular area
- In-plant Training/ Industrial visit -** In-plant Training/ Industrial visits organised for students expose the industrial environment, safety and work culture. Students can study real time working experience, production process, latest machines, Company laws and legislations, communication.
- During in-plant / industrial training, the students are exposed to the industrial environment and safety, work culture, and they come across various latest equipment / tools of electrical engineering field to application of basic engineering knowledge and practices. The students come across industry (national /international) norms and standards. Students are availed an opportunity to gain Hands-on-experience.
- Extra-curricular Activities:** Cleanliness campaign in department & institute, Tree plantation, Oath of equality, Voting awareness program, participation in blood donation camp, poster presentation competition and seminar competition at different institutes, project exhibition, Elocution competition, Yoga day, sport and cultural events are celebrated to percolate the various aspect among the students.

[Edit Answer](#)

The faculties frequently conduct meetings regarding progress of their students and identify students who scores less than 60% marks in their Class Test. Answer paper of class test are shown to individual student and thorough discussion is made in the class and doubts are cleared. Academically weak students are counseled and additional assignments and Term End Exam model answers are given to such students to improve their performance through remedial classes. Parents are also involved in counseling of such students.

Bright students are motivated to participate in various events like technical paper presentation, project competitions at Institute level, State level, National level and international level. Students grab opportunities to work as a leader or a member in organizing cultural and technical activities. Student secured with distinction in their semester exams are felicitated in the annual function to motivate them. Top student of each class are awarded with mementos.

D. Quality of classroom teaching (3) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=444\)](#)

[Edit Answer](#)

All Faculties make use of LCD projectors for PPT presentations. Innovative teaching methods are adopted by the faculty to improve classroom teaching. Computer aided teaching and internet facility is used by students for self-learning. Faculties also use sources like "National Programme on Technology Enhanced Learning" (NPTEL), internet sources for effective teaching. Well-structured lesson plans are prepared for all theory and practical courses on a period to period basis; these are scrutinized by Head of Department. Each department has laboratory equipped with LCD projector, Computer and internet facility.

Also Collaborative learning is reflected in the program by various group activities like group discussions, micro projects, seminars, paper presentations, Quiz Competition.

Teaching - Learning Process.-

The course teacher prepares course file for every individual course, which consist of learning resources, progressive test papers, End Semester Examination papers 2017.

The course teacher prepares teaching plan (Proforma D-1), Practical plan (Proforma D-2), Industrial visit Plan (Proforma D-7), Expert lectures plan (Proforma D-8). The course teacher selects appropriate to ensure meaningful learning.

The course teacher keeps the philosophy of Curriculum Design and implementation at the back of his/her mind and implement course level curriculum accordingly.

The following innovative teaching methods are adopted by the faculty:

Power point presentations are used with the help of LCD projectors for effective teaching. Question Answer session is carried out to test understanding level.

Testing of previous knowledge of previous Course to get idea for new Course or new topic.

Sources like SWAYAM, National Program on Technology Enhanced Learning (NPTEL), internet sources used by faculties for effective teaching.

E. Conduct of experiments (3) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=445\)](#)

[Edit Answer](#)

At the start of every semester faculty prepares practical / experiments plan for each batch (Format D-2).

Manuals prepared by MSBTE for all the courses are used by the students for effective implementation of experiments.

Manual contains detailed write up of each experiment so that students themselves can perform it.

In each session the faculty explains experiments to the students.

The experiments are performed by students in a 2 hours duration session.

The students perform the experiment using required software on the computers and analyse the results.

Quizzes, Viva questions are conducted at the end of laboratory sessions to improve the programming skills of the students.

Absent students are asked to perform experiments which they have not performed.

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Continuous assessment is done as per scheme provided in the curriculum of each course.

The laboratory works of students are assessed continuously as per format D-3 (CIAAN 2017) shown in Figure 2.9

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At the end of each semester, all the students are required to fill a feedback-form apprising the faculty on a 4 point scale -

i.e. Very Good (3), Good(2), Satisfactory(1) and Poor(0).

The following is the Feedback Form :

D-14

www -2017-18

For AICTE Diploma Courses

Maharashtra State Board of Technical Education

STUDENTS FEED BACK

(HEAD OF DEPARTMENT SHOULD TAKE THE FEED BACK AT THE END OF FIRST CLASS TEST)

Academic Year:

Program:

Semester:

Date:

Sr no	Name of Course (TH/PR)	Name of Faculty	Each Parameter to be Assessed on the Scale of 1 to 5 (1-Lowest & 5-Highest)					Total (Max 25)
			Punctuality & Discipline	Domain Knowledge	Presentation Skills & Interaction with Students	Ability to resolve Difficulties	Effective Use of Teaching Aids	

(Name and Signature of HOD)

Students Feedback Form

Lecture/classes are monitored by the Head of the Department. He gives helpful/constructive comments to improve the quality of the teaching-learning process. Faculty members, who secured low scores and negative comments are instructed / guided for further improvement. Faculties are motivated to improve their skills and abilities. Also faculties are regularly deputed for training / orientation programs conducted by NITTR, Bhopal, MSBTE, Mumbai and DTE, Mumbai to master the skills and improve the efficiency of teaching-learning process.

2.2.2 Initiatives to improve the quality of semester tests and assignments (15)

Initiatives to improve the quality of semester tests and assignments in terms of the following:

A. Process for Internal semester question paper setting and evaluation and effective process implementation (5)

[Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&Proqid=25&QuestID=448\)](#)

The norms (CIAAN 2017) are framed by the MSBTE to improve the quality of Progressive test and Micro project, are as follows. And followed by the

Computer Engineering Department.

For each course, two progressive assessment tests of 20 marks (max) each shall be conducted as per teaching examination scheme and MSBTE schedule.

No extra progressive assessment tests shall be conducted for candidates remaining absent

Progressive assessment test shall be of 60 minutes & 75 minutes duration for three hours end semester examination (ESE)

Test question paper shall be as per MSBTE pattern.

The question paper shall contain at least 40 % application level questions to ensure learning outcomes by the student.

Marks obtained by student in each test shall be displayed departmental notice board.

Answer books of progressive assessment tests shall be shown to the students for feedback and suggestive improvements in the Class.

The Answer books of progressive assessment Tests shall be preserved by the respective faculty till the declaration of ESE result for that course.

Every faculty must carry out an exercise of attainment of COs & POs of respective course in the progressive assessment Tests.

The micro project for 10 marks shall be assessed as per the evaluation Rubrics & Teacher evaluation sheet.

The proforma D5 shall be used for compilation of the evaluation data of progressive assessment of theory for maximum 30 marks of each course.

Government Residential Women's Polytechnic, Latur	
Computer Engineering Department	
Semester : CO4	Class Test 1
Marks : 20	Date : 06/02 /2020 Time : 11AM to 12PM
Subject : Data Communication and Computer Network (COG/22414)	
Instructions:	
1. All questions are mandatory 2. Illustrate your answer with neat sketches whenever necessary. 3. Figures to right indicate full marks	
Q 1: Attempt any four of the following (4*2=8) 1) Write in brief modes of communication Simplex, Half duplex, Full duplex? [CO4] 2) Define four network connecting devices? [CO4] 3) Explain types of addresses used in networks? [CO3] 4) Define the terms of Data Rate & Bandwidth [CO1] 5) Define Protocol and list elements of protocol? [CO1]	
Q 2 : Attempt any three of the following (3*4=12) 1) Explain guided media in detail? [CO2] 2) With suitable diagram, describe following topologies. i. MESH ii. BUS iii. RINGS 3) Draw diagram and Explain the components of data communication? [CO1] 4) Describe working of Frequency shift keying (FSK) and Amplitude Shift Keying (ASK)? [CO1]	
*****ALL THE BEST*****	

G- SCHEME (MSBTE)	
FIRST SESSIONAL TEST PAPER 2017-18	
GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,	
LATUR	
CENTER FOR COMPUTER ENGINEERING DEPARTMENT	
Subject Name: MAP-31011	Class Code: CO4
Time : 1 Hour	Mark: 25
Date : 07/02/2018	Time: 11:00 to 12:00
Instructions:	
1. The following questions are compulsory. 2. Figures to right indicate full marks.	
Q.N.1. Attempt Any THREE (3*3=9) 1. State the functions of following pins. i) ALE ii) READY / HOLD D and HLDA. ii) RD iii) WR iii) RDY iv) RDY/WR 3. List any six features of 8086 microprocessor. 4. List any six differences between 8080 and 8086 microprocessor.	
Q.N.2. Attempt Any TWO (2*4=8) 1. Draw the register forms of 8086 microprocessor. 2. Draw a neat block pin diagram of 8086 microprocessor. 3. Explain concept of memory segmentation with two advantages.	
Q.N.3. Attempt Any TWO (2*4=8) 1. State the functions of following i) Address port ii) Control port 2. Explain concept of pipelining with two advantages.	
3. Describe clock logic, Ready logic, RESET logic of 8284 clock generator.	
.....	

Question papers format of I scheme

Question papers format of G scheme

B. Question paper setting taking into account outcomes/learning levels (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=449\)](#)

[Edit Answer](#)

- Each unit has course outcomes which are mapped with the unit outcomes. Based on each unit outcome question bank is prepared for each course.
-
- The question paper is designed as per the pre-decided taxonomy level for progressive tests as prescribed in the curriculum
-
- While designing the question papers, higher order assessment is kept in mind. The main focus of the assessment is assessing the
-
- knowledge, relevance and application level of the course outcome. The question papers (ProgressiveTest1&2) are mapped with RUA.
-
- While setting the question paper, question bank and previous term end examination papers are considered for reference.
-
-

Question papers are set by following levels of specification table as shown in Sample specification table

9. SUGGESTED SPECIFICATION TABLE FOR QUESTION PAPER DESIGN

Unit No.	Unit Title	Teaching Hours	Distribution of Theory Marks			
			R Level	U Level	A Level	Total Marks
I	Basics of Control System	10	02	04	06	12
II	Time domain stability analysis	16	04	04	08	16
III	Process Controllers	08	02	04	04	10
IV	Fundamentals of PLC	12	04	04	06	14
V	PLC Hardware and Programming	18	04	06	08	18
Total		64	16	22	32	70

C. COs coverage in class test / mid-term tests and assignments (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=450\)](#)

[Edit Answer](#)

Government Residential Women's Polytechnic, Latur
Computer Engineering Department

Semester : CO4I Class Test 1 Marks : 20 Date : 06/02 /2020 Time :11AM to 12PM
Subject : Data Communication and Computer Network (DCC /22414)

Instructions:

1. All questions are mandatory
2. Illustrate your answer with neat sketches whenever necessary.
3. Figures to right indicate full marks

Q 1 : Attempt any four of the following (4*2=8)

- 1) Write in brief modes of communication Simplex, Half duplex, Full duplex? [CO4]
- 2) Enlist four network connecting devices? [CO4]
- 3) Explain types of addresses used in network? [CO5]
- 4) Define the terms a) Data Rate b) Bandwidth [CO1]
- 5) Define Protocol and list elements of protocol? [CO1]

Q 2 : Attempt any three of the following (3*4=12)

- 1) Explain guided medias in detail? [CO2]
- 2) With suitable diagram, describe following topologies,
 - I. STAR
 - II. MESH
 - III. RING
 - IV. BUS
- 3) Draw diagram and Explain the components of data communication? [CO1]
- 4) Describe working of Frequency shift keying (FSK) and Amplitude Shift Keying (ASK) ? [CO2]

_____ ****ALL THE BEST**** _____

Teacher Evaluation Sheet

Prabhakar

Name of Student : kashid Sandhyarani Enrollment No : 1801360191

Name of Programme : computer Semester : COH.I

Course Title : DCC Code : 22414

Title of the Micro-Project : Shareable folder in Local Area Network

Course Outcomes Achieved :

- Analyze the functioning of data communication and computer network
- Select the transmission errors with respect to IEEE standards
- Configure various networking devices.

Sr. No.	Characteristic to be assessed	Poor (Marks 1 - 3)	Average (Marks 4 - 5)	Good (Marks 6 - 8)	Excellent (Marks 9-10)	Sub Total
(A) Process and Product Assessment (Convert above total marks out of 6 marks)						
1	Relevance to the Course			✓		
2	Literature Review/information Collection				✓	
3	Completion of the Target as per project proposal				✓	
4	Completion of the Target as per project proposal			✓		
5	Quality of Prototype/Model			✓		
6	Report Preparation			✓		
(B) Individual Presentation / Viva (Convert above total marks out of 4 marks)						
7	Presentation			✓		
8	Viva					

(A) Process and Product Assessment (6 marks)	(B) Individual Presentation / Viva (4 marks)	Total Marks 10
06	04	10

Comments/Suggestions about team work/leadership/inter-personal communication (if any)

Name and designation of the Teacher..... AD Ambrose
Dated Signature..... *(Signature)*

Maharashtra State Board of Technical Education

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2.2.3 Quality of Experiments (15)

A. Experimental methodologies (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=451\)](#)

[Edit Answer](#)

Maharashtra State Board of Technical Education, (MSBTE) Mumbai, is autonomous body of state of Maharashtra. MSBTE has designed laboratory manuals for most of the subject in curriculum. The "I" Scheme laboratory manuals are designed to help students to develop practical skills. These manuals should focus on outcomes. These manuals are designed to help all stakeholders, especially students, teachers and instructors to develop pre-determined outcomes in the students. Generally, Experiments are conducted in group of 3 to 5 students. For experiments, batch size of 20 students in a batch is considered. While performing experiments, special focus is given so that skills in cognitive domain, psychomotor domain and affective domain are developed in students. As experiments are practical, following (for subject named – Data Structure using 'C') stages/steps is mentioned in laboratory manual.

- Practical Significance
- Relevant Program Outcomes
- Competency and Practical skills
- Relevant Course Outcome(s)
- Practical Outcomes(PrOs)
- Relevant Affective domain related Outcomes
- Minimum Theoretical Background
- Algorithm
- Flowchart
- Program Code
- Resources Required
- Precautions
- Resources Used
- Result (Output of Program)
- Conclusion
- Practical related questions
- Exercise
- References/Suggestions for further reading

- Assessment Scheme

Above steps help teachers as well as students to focus on competencies for achieving outcomes. The Images on next page shows above list of stages given by MBSTE Laboratory Manual.

Data Structures Using 'C' (22317)

Practical No. 2: Search a Data Using Linear Search

I. Practical Significance

In order to perform some operation on specific data element, the data has to be searched in data collection, and the system requires following a searching method. One of the most commonly used method is linear search for searching data from the given list.

II. Relevant Program Outcomes (POs)

- Basic knowledge: Apply knowledge of basic mathematics, sciences and basic concepts in the field of Computer Engineering problem.
- Discipline knowledge: Apply Information Technology knowledge to solve broad-based Information Technology related problems.
- Experiments and practice: Plan to perform experiments, practices and to use the results for solving Information Technology related problems.
- Engineering tools: Apply appropriate Computer Engineering / Information Technology related techniques/tools with an understanding of the limitations.
- Communication: Communicate effectively in oral and written form.

III. Competency and Practical skills

This practical is expect to develop the following skills in you

Develop 'C' programs to solve broad-based computer group related problems.

- Write algorithm and draw Flow Chart for Linear Search.
- Write/Compile/Debug and Save C program for function to search using Linear Search.

IV. Relevant Course Outcome(s)

Apply different searching and sorting techniques.

V. Practical Outcome (POs)

Implement a "C" program to search a particular data from the given Array using Linear Search.

VI. Relevant Affective domain related Outcome(s)

- Follow safety measures
- Follow ethical practices.

VII. Minimum Theoretical Background

Searching: Searching is just finding out the data item among given list. Two cases are possible that either item is found or item not present in the list.

Linear search: Linear Search is a very simple search algorithm. In this sequential search is done by searching items one by one. Each item is checked and if a match is found then that particular item is returned, otherwise the search is continues till end of the list.

Maharashtra State Board of Technical Education

Data Structures Using 'C' (22317)

the list of items. If item which is to be searched is not present in list then the search is called as unsuccessful search.

VIII. Algorithm

```

    Start
    Step 1 - Start
    Step 2 - Declare key, a[10], flag = 0
    Step 3 - Accept the array elements from user
    Step 4 - Enter the key element to search in the array
    Step 5 - compare the key element with the each array element by using for loop.
    for(i=0; i<9; i++)
        if(a[i] == key)
            flag = 1
    Step 6 - If condition satisfies Print Searching is successful and flag becomes 1.
    Step 7 - If condition does not satisfy Print Searching unsuccessful and flag becomes 0.
    Step 8 - End.
  
```

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Data Structures Using 'C' (22317)

IX. Flow Chart

```

    Start
    Read Key q[10], Flag=0
    Accept the array elements.
    Enter the value for key.
    for(i=0; i<9; i++)
      if(q[i] == key)
        printf("Searching is successful")
    else
      printf("Searching is unsuccessful")
    End.
  
```

X. 'C' Program Code

```

#include <stdio.h>
#include <conio.h>
Void main()
{
    int key, q[10], flag=0;
    printf("Enter the elements\n");
    for(i=0; i<9; i++)
    {
        scanf("%d", &q[i]);
    }
    printf("Enter the key element\n");
    scanf("%d", &key);
    for(i=0; i<9; i++)
        if(q[i] == key)
            printf("Searching is successful");
    flag = 1;
    break;
    if(flag==0)
        printf("Searching is unsuccessful");
    getch();
}
  
```

Maharashtra State Board of Technical Education

Data Structures Using 'C' (22317)

XL Resources required

Sr. No.	Name of Resource	Specification	Quantity	Remarks
1	Hardware: Computer (2.0 GHz processor), RAM minimum 2 GB onwards		As per batch size	For all Experiments
2	Operating system: Windows 7 or Later Version or Linux Version 5.0 or Later Version			
3	Software: Turbo C/C++ Version 3.0 or Later Version			

XII. Preparation

- Save the program in specific directory / folder.
- Follow safety practices.

XIII. Resources used

S. No.	Name of Resource	Specification
1	Computer System with broad specifications	Computer C13 – IS Preferred, RAM minimum 3GB
2	Software	Turbo C/C++ Version 3.0
3	Any other resource used

XIV. Result (Output of the Program)

We learnt that how to implement a c program to search a particular data from the given array using linear search.

XV. Conclusion(s)

Implement a C Program to Search a particular data from the given array using linear search.

XVI. Practical Related Questions

Note: Below gives are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

XVII. Exercise

- Consider following list to perform Linear Search.
 - Search the item 31 from above list and write the item is found or not with procedure.
 - Search the item 55 from above list. Write the item is found or not with procedure.
 - State the limitations of Linear Search in terms of Time Complexity.

(Space for answers)

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Maharashtra State Board of Technical Education 13

Data Structures Using 'C' (22317)

XVIII References / Suggestions for further Reading

- https://www.tutorialspoint.com/data_structures_algorithms/linear_search_algorithm.htm (as on 17/1/2018)
- <https://www.youtube.com/watch?v=hi-lwJRo1-s>
- <https://www.youtube.com/watch?v=iwo5WAldDks>

XIX. Assessment Scheme

Performance indicators		Weightage
Process related (10 Marks)		30%
1	Debugging ability	20%
2	Follow ethical practices.	10%
Product related (15 Marks)		70%
3	Correctness of algorithm	15%
4	Correctness of Program codes	25%
5	Quality of input/output messaging and output formatting	20%
6	Timely Submission of report	5%
7	Answer to sample questions	5%
Total (25 Marks)		100%

List of Students / Team Members

- Brijdayal N.N.
- Brijdayal S.U.
- Andhare P.B.
- Jadhav D.T.

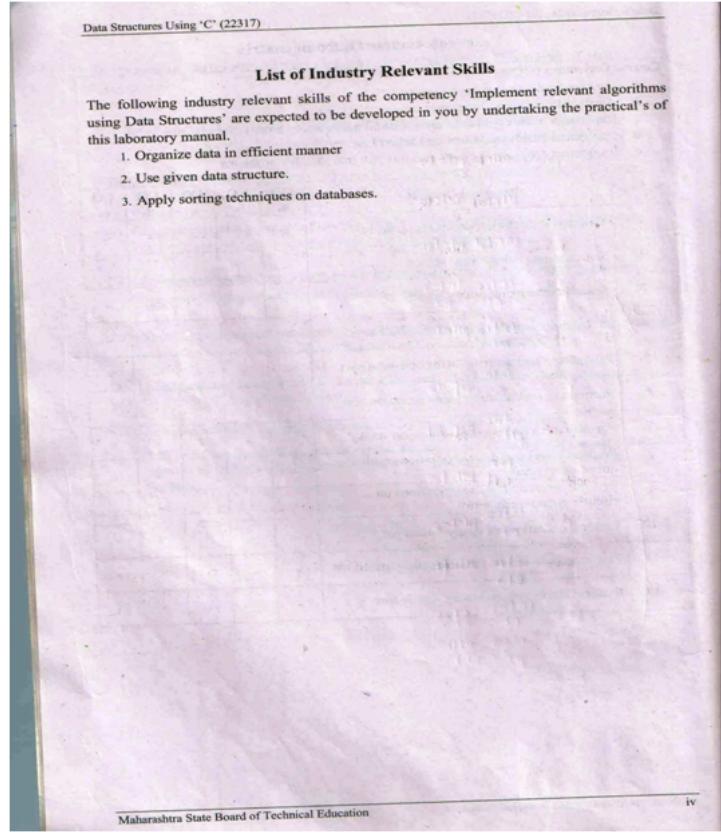
Marks Obtained			Dated signature of Teacher
Process Related(10)	Product Related(15)	Total(25)	(Signature)
10	14	24	(Signature)

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Picture : Laboratory manual and steps in experiment

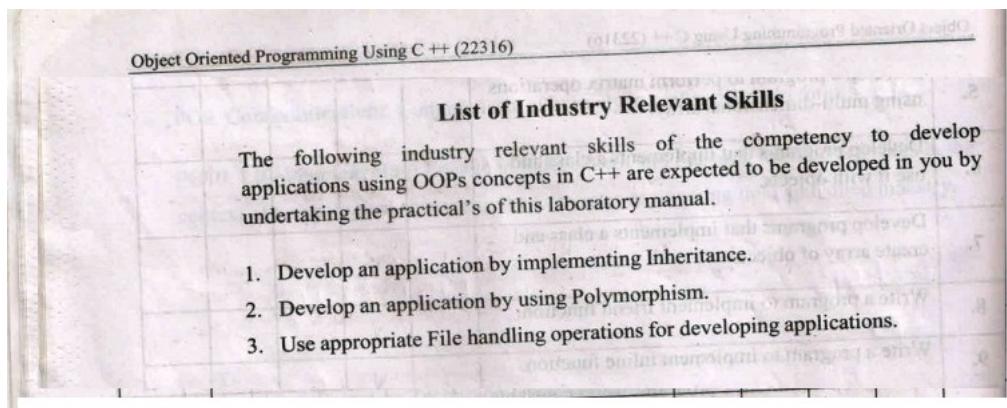
B. Innovative experiments including industry attached practices, virtual labs (5)

The laboratory manuals of subject also contain List of industry relevant skills. Following image shows Laboratory manual page of subject "Data Structures using C"



Picture: Laboratory manual page of “Data Structures using C” showing list of industry relevant skills

Computer engineering program have many subjects which are programming oriented. These programming subjects are practical oriented and these require programming (coding) standards to be followed. Programming standards like Indentation, Naming conventions for local variables, global variables, constants and functions etc are industry attached best practices that students do follow. The image on next page shows list of industry relevant skills of “Object Oriented Programming Using C++”. Industry relevant skills are given by MSBTE in respective subject laboratory manual.



Picture: Laboratory manual page of “Object Oriented Programming using C++” showing list of industry relevant skills

C. Relevance to outcomes (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=453\)](#)

[Edit Answer](#)

As the laboratory manuals are designed by MSBTE, all experiments are mapped to outcomes of particular course. The Picture on next page shows Course outcome matrix. Here, for the subject, 'Data Structures using C' All COs are mapped to these COs.

Practical- Course Outcome matrix						
Course Outcomes (COs)		Practical Outcome				
S. No.	Practical Outcome	CO a.	CO b.	CO c.	CO d.	CO e.
1.	Program to perform operations on array	✓	-	-	-	-
2.	Search a data using linear search	-	✓	-	-	-
3.	Search a data using binary search	-	✓	-	-	-
4.	Program to sort an array using bubble sort	-	✓	-	-	-
5.	Program to sort an array using selection sort	-	✓	-	-	-
6.	Program to sort an array using insertion sort	-	✓	-	-	-
7.	Perform push and pop operations on stack	-	-	✓	-	-
8.	Perform insert and delete operations on linear queue using array	-	-	✓	-	-
9.	Perform insert and delete operations on circular queue using array	-	-	✓	-	-
10.	Perform operation on singly linked list	-	-	-	✓	-
11.	Perform operation on circular singly linked list	-	-	-	✓	-
12.	Perform traversing on binary search tree	-	-	-	-	✓

Maharashtra State Board of Technical Education

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Picture : Course Outcome matrix for subject "Data Structures using C"

2.2.4 Quality of Students Projects and Report Writing (35)

A. Identification of projects and allocation methodology (3) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=454\)](#)

[Edit Answer](#)

1. Identification of Project and Allocation methodology (3)

- Every final year student undergoes project which should be completed in Vth & VIth semester of Third year.
- At the beginning of 5th semester, a group of 3-4 students are formed. A guide is allocated to each project group by Head of Department.
- Students are asked to come up with different ideas of their own area of interest.
- Each group selects multiple topics in their area of interest and the latest trends/demands in the IT industry.
- Students are encouraged frequently to go for application based project which is useful to the society, industry and institute/organization.
- Each group do thorough discussion with their guide and then finalize the topic.
- Selected Topic of each group is approved by Head of the Department.
- The faculties encourage students to avail the external funding schemes for their project work.
- All the faculties motivates all students to participate in Paper Presentations, Quiz Competitions, Project exhibitions,etc which is aimed to provide common platform to exhibit their innovations and work towards excellence in latest technologies.

Following is list of Projects in CAYm1 2018-2019

Group No	Roll No.	Name of students	Project Name	Name of Guide
01	1305	Birajdar Shivkanya R.	Online College Magazine	Smt. J.R. Hange
	1306	Birajdar Srushti M.		

	1351	Suryawanshi Rani A.		
	1302	Bansode Pallavi M.		
02	1354	Tandale Harshita P.	Classroom Management System	Smt.R.D.Kasar (Patil A.S.)
	1347	Rodake Sakshi M.		
	1329	Karpe Sonali S.		
	1307	Choudhari Sneha S.		
03	1342	Patil Vishakha	Online Alumni System	Mr. S.V. Chavan
	1357	Tekale Sayali		
	1355	Tawade Poonam		
	1362	Jamadar Ruksar		
04	1310	Divate Vaishali V.	Online Feedback Analysis	Smt. M.G.Mulge
	1370	Lagade Pradya M.		
	1328	Karande Mandikini B.		
	1349	Suryawanshi Akanksha		
05	1332	Kshirsagar Rajani V.	Online Quiz Application	Smt. J.R. Hange
	1312	Gavare Anjali N.		
	1304	Birajadar Madhuri M.		
	1331	Koyale Shradha S.		
06	1327	Kamble Vaishnavi S.	Result Analysis System	Smt. M.G.Mulge (Patil A.S.)
	1314	Gomare Gauravi S.		
	1319	Jadhav Mayuri S.		
	1309	Dhumal Susmita M.		
07	1316	Gore Rajeshri B.	Hotel Management System	Mr. S.V. Chavan
	1320	Jadhav Sejal B.		
	1313	Ghawalkar Shradha R.		
	1344	Phulmante Pritilta P.		
08	1334	Kurud Shrineeta S.	Visiting Staff Billing System	Smt. M.G.Mulge
	1301	Apsingkar Sunayana S.		
	1339	Mudhalkar Dipali P.		
	1335	Malwadkar Priyanka M.		
	1358	Udgire Swati B.		Smt.R.D.Kasar

09	1323	Kale Mohini J.	Industrial Training Management Systems	
	1303	Biradar Shahubai A.		
	1308	Dalvi Ashwini S.		

Table No. 2.2.4.1 : List of Projects in CAYm1 2018-2019

B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=455\)](#)

[Edit Answer](#)

Third Year Projects will develop following abilities in the students -

1. Better Communication
2. Identification of Future Problems
3. Work in Groups
4. Enhancement in technical Skills by hands on practice
5. Developing leadership qualities
6. Implementation of acquired knowledge in developing project.
7. Composing project report with proper documentation skills

Project work is ultimate indicator for sprout of attributes which are expected by PO/PSO.

Hence there is a high level of resemblance with All POs and PSOs. Table 2.2.4B gives list of project and POs/PSOs is covered.

Gr_No	Project Name	Guide Name	Type of Project	PO & PSO covered
1	Online College Magazine	Mrs.J.R.Hange	Application	PO1,PO2,PO3,PO4, PO6,PO7, PSO1,PSO2
2	Classroom Management System	Ms.R.D.Kasar	Product	PO1,PO2,PO3,PO4,PO6, PO7, PSO1,PSO2
3	Online Alumini System	Mr.S.V.Chavan	Application	PO1,PO2,PO3,PO4, PO6,PO7, PSO1,PSO2
4	Online Feedback Analysis	Ms.M.G.Mulge	Application	PO1,PO2,PO3,PO4, PO6,PO7, PSO1,PSO2
5	Online Quiz Application	Mrs.J.R.Hange	Application	PO1,PO2,PO3,PO4,PO6, PO7, PSO1,PSO2
6	Result Analysis System	Ms.M.G.Mulge	Product	PO1,PO2,PO3,PO4,PO6,PO7, PSO1,PSO2

7	Hotel Management System	Mr.S.V.Chavan	Product	PO1,PO2,PO3,PO4,PO6,PO7, PSO1,PSO2
8	Visiting staff billing format	Ms.M.G.Mulge	Product	PO1,PO2,PO3,PO4,PO6,PO7, PSO1,PSO2
9	Industrial training and Management	Ms.R.D.Kasar	Application	PO1,PO2,PO3,PO4, PO6,PO7, PSO1,PSO2
10	Hospital Management System	Mrs.J.R.Hange	Product	PO1,PO2,PO3,PO4,PO6,PO7, PSO1,PSO2
11	Dead stock Management System	Ms.R.D.Kasar	Product	PO1,PO2,PO3,PO4, PO6,PO7, PSO1,PSO2
12	College Gate Entry Management	Mr.S.V.Chavan	Application	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
13	E-waste Collection	Ms.R.D.Kasar	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
14	Student Bonafied System of G.R.W.P.L	Ms.M.G.Mulge	Application Base	PO1,PO2,PO3,PO4,PO6,PO7, PSO1,PSO2
15	Society Management System	Mr.S.V.Chavan	Product	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
16	Employee Salary Management System	Mrs.J.R.Hange	Product	PO1,PO2,PO3,PO4,PO6,PO7, PSO1,PSO2
17	Hospital Information &Traking System	Mr.S.V.Chavan	Application Base Project for local	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2

			Hospitals	
18	I Scheme Practical Examination Management System	Ms.R.D.Kasar	Product	PO1,PO2,PO3,PO4, PO6,PO7, PSO1,PSO2
19	MSBTE Attendance System For I Scheme	Ms.M.G.Mulge	Application	PO1,PO2,PO3,PO4, PO6,PO7, PSO1,PSO2

C. Process for monitoring and evaluation (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=456\)](#)

[Edit Answer](#)

Project work is carried out for fifth and sixth semester

Part I- Project work monitored for fifth semester :

- Project supervision is done by project guide allotted to each group.
- Project guide give advises on any technical aspects regarding chosen project.
- Students should meet their project guide at least once in a week to discuss project progress.
- Initially, guide will assess whether project ideas are suitable, and help to improve them where needed.
- The group is provided internet facility for searching project work area. The project group shortlist few project ideas and come to finalization with the guide.
- After finalization of topic, student performs literature survey
- During fifth semester respective guide do the continuous assessment ascertaining contribution of individual in fulfilling the task during practical hours allocated.
- Each group shall prepare Project Diary with Name of Project, Name of Students in group, their attendance, and progress and get assessed from guide from time to time during project hours.
- At the end of 5th semester, each project batch submits the action plan and abstract of the project along with list of materials required, if project involves fabrication or other facilities required for different kinds of projects.
- Project Synopsis is prepared and submitted at the end of the Vth Semester

Part II- Project work monitored for sixth semesters

- Actual implementation i.e. the logical and physical design of the project is done in the sixth semester during the allotted hours in the time table with the guidance of respective guides.
- As per the feedback received in fifth semester students should revise the their project plan, if anyone needed and should get approved by project guide.
- Dated project diary is also maintained in this semester indicating all activities conducted by students every week and should get signed by project guide at regular intervals for progressive assessments.
- A final project report is prepared with proper documentation in design and installation procedures.

Project Evaluation

- The continuous evaluation of individual progress shall be followed
- External examiner and guide shall jointly evaluate the project.
- Evaluation is based on continuous assessment at each step of project starting form finalization of project,related literature survey , procurement of material, design of project, implementation, testing, performance, observations , results analysis.
- Project evaluation is also based on "Project Report Writing"
- In addition to writing the report, students are assessed by their ability to present project.

Teaching and Examination Scheme:									
Teaching Scheme			Examination Scheme						
TH	TU	PR	PAPER HRS	TH	PR	OR	TW	TOTAL	
--	--	04	--	--	--	50#	50@	100	

D. Process to assess individual and team performance (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=457\)](#)

[Edit Answer](#)

Individual assessment and team performances is done by considering the following factors:-

- Individual presentations of on the project topic
- Internal continuous assessment

- Work done by individual for developing project
- Active Participation in group
- Monitoring and evaluation of individual and team by the guide.
- Presentation of the topic in front of external examiner and answers given by the individual students to the External Examiner at the time of Viva-voce during term end examination.

11. PROGRESSIVE ASSESSMENT (PA) GUIDELINES AND CRITERIA

The assessment of the students in the fifth semester Progressive Assessment (PA) for 25 marks is to be done based on following criteria.

S. No.	Criteria	Marks
1	Problem Identification/Project Title	
2	Industrial Survey and Literature Review	
3	Punctuality and overall contribution	10
4	Project Diary	
5	Report writing including documentation.	10
6	Presentation	05
	Total	25

12 END-SEMESTER-EXAMINATION (ESE) ASSESSMENT CRITERIA

The assessment of the students in the fifth semester end-semester-examination (ESE) for 25 marks is to be done based on following criteria. This assessment shall be done by the HOD/Senior Faculty in the presence of Project guide.

S. No.	Criteria	Marks
1	Report writing including documentation.	10
2	Presentation	15
	Total	25



Image 2.2.4.2 Progressive Assessment & ESE Assessment Criteria of Vth sem

Criteria of Marks for PA for Capstone Project -Execution and Report Writing.

S. No.	Criteria	Marks
1	Project Proposal /Identification	
2	Punctuality and overall contribution	10
3	Project Diary	
4	Execution of Plan during sixth semester	20
5	Project Report including documentation	15
6	Presentation	05
	Total	50

7.2 END SEMESTER EXAMINATION (ESE)

Evaluation shall be carried out according to following criteria. For each project, students from the concerned group should be asked to make presentation of their project, in front of the external and internal examiners which should be followed by question answer session to ascertain the contribution made by each student.

Criteria of Marks for ESE for Capstone Project -Execution and Report Writing

S. No.	Criteria	Marks
1	Project Proposal	
2	Punctuality and overall contribution	05
3	Project diary	
4	Execution of Plan during sixth semester	10
5	Project Report including documentation	10
6	Presentation	10
7	Question and Answer	15
	Total	50

Image 2.2.4.2 Progressive Assessment & ESE Assessment Criteria of VIth sem

Annexure-A CERTIFICATE

This is to certify that Mr./Ms.....
from (institute)..... having Enrolment No:

has completed **Project Planning Report** having title

Individually/ in a group consisting of..... Candidates under the guidance of the Faculty Guide.

Name & Signature of Guide.....

.Name & Signature of HOD:

Image 2.2.4.3 Annexure-A

Appendix-B
Evaluation Sheet (ESE)

for
Capstone Project Planning

Name of Student: Enrollment No.

Name of Program..... Semester:

Course Title and Code:.....

Title of the Capstone Project:

A. POs addressed by the Capstone Project (Mention only those predominant POs)

a)
b)
c)
d)

B. COs addressed by the Capstone Project (Mention only those predominant POs)

a)
b)
c)
d)

C. Other learning outcomes achieved through this project

1. Unit Outcomes (Cognitive Domain)

a)
b)
c)
d)

2. Practical Outcomes (in Psychomotor Domain)

a)
b)
c)
d)

3. Affective Domain Outcomes



Image 2.2.4.4 Evaluation Sheet for Capstone Project Planning

a)	b)	c)	d)
PROGRESSIVE ASSESSMENT (PA) Sheet			
S. No.	Criteria	Max Marks	Marks Obtained
1	Problem Identification/Project Title		
2	Industrial Survey and Literature Review	10	
3	Punctuality and overall contribution		
4	Project Diary	10	
5	Report writing including documentation.		
6	Presentation	05	
	Total	25	

Name and Signature of Project Guide:

Image 2.2.4.5 Progressive Assessment Sheet for Capstone Project Planning

Appendix-C

SUGGESTED RUBRIC FOR ASSESSMENT OF CAPSTONE PROJECT

S. No.	Characteristic to be assessed	Poor	Average	Good	Excellent
1	Problem/Task Identification (Project Title)	Relate to very few POs Scope of Problem not clear at all	i. Related to some POs ii. Scope of Problem/Task vague	i. Take care of at least Three POs ii. Scope of Problem/task not very specific	i. Take care of more than three POs ii. Scope of problem/task very clear
2	Literature Survey /Industrial Survey	Not more than ten sources (primary and secondary), very old reference	At-least 10 relevant sources, at least 5 latest	At –least 15 relevant sources, most latest	About 20 relevant sources, most latest
3	Project proposal	Methods are not appropriate, All steps not mentioned, Design of prototype not started (if applicable).	Appropriate plan but not in much detail. Plan B for critical activities not mentioned. Time line is not developed. Design of Prototype is not complete. (if applicable)	Appropriate and detailed plan with Plan B for critical activities mentioned, but clarity is not there in methods, time line is given but not appropriate. Design of prototype is not detailed (if applicable)	Appropriate and detailed plan with Plan B for critical activities mentioned, clarity in methods with time line, Detailed design of prototype (if applicable)



S. No.	Characteristic to be assessed	Poor	Average	Good	Excellent
4	Project Diary	Entries for most weeks are missing. There is no proper sequence and details are not correct.	Entries for some weeks are missing, details are not appropriate, not signed regularly by the guide.	Entries were made every week but are not in detail. Signed and approved by guide every week	Entries were made every week in detail, signed and approved by guide every week
5	Final Report Preparation	Very short, poor quality sketches, Details about methods, material, precaution and conclusions omitted, some details are wrong	Detailed, correct and clear description of methods, materials, precautions and	Conclusions. Sufficient Graphic Description.	Very detailed, correct, clear description of methods, materials, precautions and conclusions. Enough tables, charts and sketches
6	Presentation	Major information is not included, information is not well organized .	Includes major information but not well organized and not presented well	Includes major information and well organized but not presented well	Well organized, includes major information ,well presented
7	Question and Answer session	Could not reply to considerable number of question.	Replied to considerable number of questions but not very properly	Replied properly to considerable number of question.	Replied to most of the questions properly

Image 2.2.4.6 Rubrics for Assessment of Capstone Project

Appendix D
Suggestive Project Diary format

Week no:
Activities planned:
Activities Executed:
Reason for delay if any
Corrective measures adopted
Remark and Signature of the Guide



Image 2.2.4.7 Project Diary Format

E. Quality of deliverable, working prototypes (12) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=458\)](#)

[Edit Answer](#)

Students deliver their projects through project reports in following format.

Project- Planning Report

- Title Page
- Certificate (As per Annexure A)
- Acknowledgement
- Abstract
- Content Page

Chapters

Chapter -1 Introduction (background of industry or user based problem)

Chapter -2 Literature Survey for problem identification and specification

Chapter -3 Scope of project

Chapter -4 Methodology

Chapter -5 Details of designs,working and processes

Chapter -6 Result and Applications

Chapter -7 Conclusions And future scope

- Appendix(if any)
- References and Bibliography

Working of prototype is demonstrated to guide in mid sessions, to head of the department during submissions. Hon. Principal encourage students for demonstration. During end semester exam students are assessed based on demonstration examination.

F. Papers published /Awards/ Recognition received by projects at State/ National level (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=459\)](#)

[Edit Answer](#)

NIL

2.2.5 Industry Interaction and Industry Internship/Training (30)

A. Industry supported Labs (2) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=460\)](#)

[Edit Answer](#)

NIL

B. Delivery of appropriate Course work by Industry experts (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=461\)](#)

[Edit Answer](#)

Industry institute interaction is essential for ensuring that practice meets theory across all functional areas. Industry interaction with institute is regarded as the part of the curriculum as it gives students an insight into the regular, internal works of the industry. As the industry supported labs are lacking in the institute, experts from industry are invited to interact with students and faculty. Experts from industries are invited to conduct expert lectures for the students on the new recent emerging technologies of course relevant topic in industry.

Maharashtra State Board of Technical Education (MSBTE) has decided to make the curriculum more suited to industry needs. Students are also deputed to undergo short duration industrial training (1 to 4 weeks) preferably in vacation period as per MSBTE directives. In the "I" scheme curriculum of MSBTE industrial training for students is made compulsory to develop professional as well as practical skills in the students. So Computer Engineering Department in new Curriculum has made compulsory for the students to go to industry for 6 weeks "In-Plant Training" immediately after their 4 th semester examination is over. The "In-Plant Training" is a separate course ,whose assessment will be done during 5th semester and it is one of the compulsory subjects. Computer Engineering Department Industry Institute Interaction is done with following ways:-

- i. Expert lecture of Industry Persons
- ii. Arranging workshops of Industrial Experts
- iii. Signing MOU's with Industry

iv. Industrial Visits

This section explores different activities conducted by department to have more industry-institute interaction

To strengthen the industry institute interaction Computer department has signed Memorandum of Understanding (MOUs) with few industries.

List of MoU with industry for enhancing industry institute interaction

Sr.No.	Name and Address of Industry	Duration of MoU in Years	Date On which MoU Signed	Date of Expiry	Activities under MoU
1	VA3 IT Services Pvt. Ltd. Latur	3 Years	11-Aug-16	23-Mar-19	Expert Lecture,Workshops, Technical Events,Industrial Visits,Industrial Training for Students,Project Sponserd
2	Synechis Aquilam Solutions Pvt.Ltd,Pune	3 Years	24-Aug-16	23-Mar-19	
3	CYIN Solutions Pvt. Ltd.Pune	3 Years	11-Jan-17	23-Mar-19	
4	Mindlabz Software Solutions Pvt. Ltd. Latur	3 Years	03-Oct-18	03-Oct-21	
5	INGenious TechnoHub Pvt.Ltd.Latur	3 Years	26-Feb-19	26-Mar-22	
6	INLight Technology Pvt,Ltd.Latur	3 Years	26-Feb-19	26-Mar-22	

Table No 2.2.5.1 List of MoU with industry

Under the MoU following projects are sponsored by different Company

Sr No.	Acedemic Year	Name of Project	Sponsored Company
1	2019-2020	Job Portal	INGenious Technology Pvt. Ltd,Latur
2		GRWPL Web Portal	
3		Function Hall Booking in Latur	
4		News Portal	
5		Online Exam	
6		Joinsta Community Collaboration Platform	
1	2018-2019	Result Analysis System	Mindlabz Software Solutions Pvt.Ltd Latur
2		Online Feedback System	
3		Student Bonafied System of GRWPL	IngeniousTechnohub Pvt Ltd,Latur
4		Visiting Staff Bill Format	

Table No 2.2.5.2 Sponsored Projects by different company

Sr.	Academic year	Topic of Course Work	Action Taken	Date-Month- Year	Resource Person with Designation
1	2019-2020	Opportunities in IT Industry	Expert Lecture	27-01-2020	Mr.Shubham Jain,Software Engineer,Exl Software Solutions Pvt,Ltd. Pune

2		Ethical Hacking	Expert Lecture	21-09-2020	Mr. Solunke P.T.Software Developer,Icons Team Pvt.Ltd
3		Internet of Things	Expert Lecture	21-09-2020	Mrs.Panji P.P.Software Developer,Icons Team Pvt.Ltd.
4		STEP	Expert Lecture	24-09-2019	Mr. B. Ganesh, Managing Director,Thought Works Chennai
1	2018-2019	Logical Thinking & Left Brain Activiation	Expert Lecture	26-07-2018	Mr. Menkudale, Mr. Avinash Jadhav , Managing Director,Mindlabz Software Solutions Latur , Mrs. Varsha Swami, Managing Director, Oriange IT Services Pvt. Ltd. Latur
2		Java & Database	Workshop	1/9/2018 to 2/9/2018	Mr. V. Sharma ,Ms. Veena, Software Developer, Infosys Pvt. Ltd. Pune
3		Web Technologies	Expert Lecture	08-01-2019	Mr. S Mahajan ,Mr. Trimukhe
4		STEP	Expert Lecture	24-09-2019	Mr. B. Ganesh, Managing Director,Thought Works Chennai
1	2017-2018	Career Opportunities in IT Industry	Expert Lecture	18-08-2017	Mrs. Swami Varsha, Managing Director , VA ³ IT Services Pvt. Ltd. Latur- 413531
2		Internet Security	Workshop	29-07-2017	Mr.Abbijit More, Software Engineer , CYIN PVT Ltd.Pune
3		Basic Concept of ASP.Net	Expert Lecture	19-02-2017	Mr. Avinash Jadhav, Mr.Mangesh Gahirwar MINDLABZ S/W Solutions Pvt Ltd ,Latur
4		STEP	Expert Lecture	24-09-2019	Mr. B. Ganesh, Managing Director,Thought Works Chennai

Table 2.2.5.3 List of Expert Lectures & Workshops

C. Industrial visits/tours for students (3) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=462\)](#)

[Edit Answer](#)

Industrial visits provide students an insight regarding internal working of companies. We know theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides students the world of work. It provides students with an opportunity to learn practically through interaction, working methods and employment practices. Minimum three industrial visits are organized per year. Table 2.2.5.4 gives list of industries visited and picture 2.2.5.1 & 2.2.5.2 gives evidences of visit.

Year	Sr.No.	Name of Industry	Class	Date
2019-2020	1	BSNL-Bharat Sanchar Nigam Limited Latur	CO3I	08-08-2019
	2	Arty Offset Industry,Latur	CO2I	07-02-2020

3	Operand Technology & IT Solutions Pvt.Ltd, Latur	CO6I	15-02-2020
2018-2019	1 BSNL-Bharat Sanchar Nigam Limited Latur	CO5G	04-09-2018
	2 Arty Offset Industry,Latur	CO3I	25-09-2018
	3 Print Pack Business Forms Pvt.Ltd	CO2I	31-01-2019
2017-2018	1 BSNL - Bharat Sanchar Nigam Limited Latur	CO6G	08-09-2017
	2 Mindlabz Software Solutions Latur	CO5G	18-09-2017
	3 Mindlabz Software Solutions Latur	CO3G	09-10-2017

Table 2.2.5.4 Industrial Visits



Picture 2.2.5.1: Industrial Visit at Arty Offset Industry



Picture 2.2.5.2: Industrial Visit at BSNL Latur

D. Industrial training/ internship (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=463\)](#)

(Marks to be given proportionately i.e. 100% student attended =05 Marks; 90% students attended = 04, Marks and so on...)

[Edit Answer](#)

In the new curriculum revision implemented from 2017-18 (I Scheme), implant training is mandatory after 4th Semester and before 5th Semester. The total duration is 40 days. All the students have to undergo this training. The assessment of this training will be done by the concerned industry.

Weighted mean score	S. No. & (Rank No.) of Report	Industry Questionnaire S.No.	Course Title	Teaching Scheme/Week			Credits (L+T +P)	Examination Scheme					
				L	T	P		Theory		Practical		Grand Total	
								ESE	PA	ESE	PA		
		MSBTE guidelines and industry feedback	Industrial Training (during summer break after IV semester)	-	-	6^	6^	-	-	75	75	150	

1. Students have undergone summer internship training at various industries in Latur and Pune
2. For academic year 2018-19 & 2019-2020 all second year students are deputed for six weeks industrial training.
3. Following are the details of students those were deputed for internship during period from 7-05-2019 to 20-06-2019 in various industrial organizations in academic year 2018-2019

Students have completed their industrial training in following industry in Academic Year 2018-2019

Sr. No.	Company Name	Company Sector	Incorporation	Status	Period of Training	No of Students
1	Mindlabz Software Solutions, Latur	Web,Android, Desktop Applicaton	Private	Completed	(6 Weeks) 7 May 2019 to 20 June 2019	12
2	Mindlabz Software Solutions, Pune	Web,Android, Desktop Applicaton	Private	Completed		6
3	Om Sai Infotech,Latur	Hardware & networking	Private	Completed		8
4	INGenious Technohub Pvt.Ltd.Latur	Software Developoment	Private	Completed		12
5	Inlight Technology Latur	Software & Web Development	Private	Completed		16
6	VA3 Orange IT Service Latur	Software Developoment	Private	Completed		16

Table 2.2.5.5 Industrial Training Academic year 2018-2019

Students are taking industrial training in following industry in Academic Year 2019-20

Sr. No.	Company Name	Company Sector	Incorporation	Status	Period of Training	No of Students
1	Mindlabz Software Solutions, Latur	Web,Android, Desktop Applicaton	Private	Ongoing	(6 Weeks) July 2020 to August 2010	15
3	Om Sai Infotech,Latur	Hardware & networking	Private	Ongoing		14
4	INGenious Technohub Pvt.Ltd.Latur	Software Developoment	Private	Ongoing		13
5	INLight Technology Latur	Software & Web Development	Private	Ongoing		14
6	Operand Technologies Pvt.Ltd	Software Developoment	Private	Ongoing		10

Table 2.2.5.6 Industrial Training Academic year 2019-2020

Industry Profile Registration										
Institute Code	0186									
Institute Name	Government Residential chamber of commerce & industry GRWD, Lohia Baoshi Road, Ludhiana 410512									
Institute Address	Mindlabz Software Solutions Pvt. Ltd. Baoshi Road, Ludhiana mindlabzsoftwares@gmail.com									
Name of Company	Mindlabz Software Solutions Pvt. Ltd.									
Address of Company	Baoshi Road, Ludhiana mindlabzsoftwares@gmail.com									
Email Address of Company	+91 9028182556									
Contact Number of Company	+91 9028182556									
Pin Code of Company	141512									
Location Details	Near Goyal Hospital, Baoshi Road Ludhiana									
Enter Area of Specialization of Company	Web, Android, Desktop Application									
Name of Contact Person	Mr. Avinash U. Jadhav									
Designation of Contact Person	CEO / m.d									
Email of Contact Person	avinajadhav@mindlabzsoftwares.com									
Contact Number of Contact Person	+91 99 60044986									
Type of Product	Service Industry/Manufacturing Industry									
Type of Control	Government/PSU/Private									
Type of Company	Large Scale/Medium Scale/ Small Scale									
Total Number of Employees in Company	15									
Region in which company reside	Mumbai/Pune/Nagpur/Aurangabad/ Nashik/ Amravati									
Whether willing to offer industrial training facility during May/June for Diploma in Engineering Students	Yes/No									
Whether company offer 6 weeks training?	Yes/No									
Programme	Civil Engineering Group	Mechanical Engineering Group	Electrical Engineering Group	Computer/IT Engineering Group	Electronics Engineering Group	Chemical Engineering Group	Textile Engineering Group	Instrumentation Engineering Group	Other	Total
Male	—	—	—	—	—	—	—	—	—	—
Female	35	35	35	35	35	35	35	35	35	35
Total	35	35	35	35	35	35	35	35	35	35



 CIN No.: U74999MH2017
 PTC2968D6

Mindlabz Software Solution Pvt.Ltd.
Vinod
 Director
 Seal & Signature of Industry Person

Willingness shown by industry as above number of students, but can allocate upto 12 girl students

Image 2.2.5.1 Industry Profile Registration

Consent Letter from parents/guardians

To,
The Principal,
GRIAPL,

Subject: Consent for Industrial Training.

Sir/Madam,

I am fully aware that-

- 1) My ward Kamble Poonam D, studying in 5th semester at your GRIAPL institute has to undergo six weeks of Industrial training for partial fulfillment to words completion of Diploma in Computer Engineering.
- 2) For this fulfillment he/she has been deputed at orange vacub industry, located at _____ for industrial training of 06 weeks for the period from _____ to _____

With respect to above I give my consent for my ward to travel to and from the mentioned industry. Further I undertake that-

- a) My ward will be entirely under the discipline of the organization where he/she will be placed and will abide by the rules and regulations in force of the said organization.
- b) My ward is not entitled to any leave during training period.
- c) My ward will submit regularly a prescribed weekly dairy, duly filled and countersigned by the training supervisor of the organization to the mentor faculty of the polytechnic
- d) My ward will undergo the training at his / her own cost and risk during training and/or stay.

I have explained the contents of the letter to my ward who has also promised to adhere strictly to the requirements. I assure that my ward will be properly instructed to take his own care to avoid any accidents/injuries in the industry.

Date: 16/5/2019 Signature of Parent/Guardian: Dinkar.
Place: Latur Name: Kamble Dnyanoba Nivoutti'
Address: Ra. Handegulli Tal. udgir Dist. Latur
Phone Number: 9049947077

Image 2.2.5.2 Parent Consent Letter

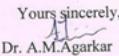
	<p>शासकीय निवासी महिला तंत्रिकेतन, लातूर् GOVT. RESI. WOMEN'S POLYTECHNIC, BARSHI ROAD, LATUR- 413 531 Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175 E-mail : office.grwplatur@dtetmaharashtra.gov.in, 0136principal@msbte.com, DTE Code No.:2016 0136office@msbte.com MSBTE Code No.:0136</p>	 गोपनीय महाराष्ट्र शासन विद्यालय विभाग महाराष्ट्र विद्यालय विभाग																																																							
NO.GRWP/COMP/INDST.TRA /2019/ 331 DATE:- 15 FEB 2019																																																									
<p>To, The HR Manager, Mindlabz Software Solutions, Barshi Road , Latur -413531</p> <p>Subject: Placement for Industrial training of 6 weeks in your organization. Reference: Your consent letter No.GRWPL/COMP/INDST.TRA/2018/1955 Date 12 DEC 2018</p> <p>Sir/Madam,</p> <p>With reference to the above we are honored to place the following students from this institute for industrial training in your esteemed organization as per the arrangement arrived at.</p> <p>Diploma programme in Computer Engineering.</p>																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 5%;">Sr. No.</th> <th style="text-align: center; width: 10%;">Roll No</th> <th style="text-align: center; width: 15%;">Enrolment no.</th> <th style="text-align: center; width: 40%;">Name of student</th> <th style="text-align: center; width: 20%;">Faculty Mentor with Mobile No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">20</td> <td style="text-align: center;">1701360165</td> <td>JAMALPURE POOJA DATTARAYA</td> <td rowspan="6" style="vertical-align: middle; text-align: center;"> Ms. R D Kasar 8830002347 </td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">35</td> <td style="text-align: center;">1701360191</td> <td>MORE TANVI SUDHIR</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">03</td> <td style="text-align: center;">1701360148</td> <td>BHALEKAR MANISHA RAMBHAO</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">29</td> <td style="text-align: center;">1701360179</td> <td>LOHARE MANSI SATISH</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">19</td> <td style="text-align: center;">1701360164</td> <td>JAKKALWAD ARUNA MADHUKAR</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">10</td> <td style="text-align: center;">1701360155</td> <td>GANGAPURE SHUBHANGI BANDAPA</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">09</td> <td style="text-align: center;">1701360206</td> <td>DHESHMANE SUMMAIYA SIDHARAM</td> <td rowspan="6" style="vertical-align: middle; text-align: center;"> Ms. M G Mulge 9325568028 </td> </tr> <tr> <td style="text-align: center;">8</td> <td style="text-align: center;">08</td> <td style="text-align: center;">1701360153</td> <td>CHOUTEWAR VAISHNAVI BALAPRASAD</td> </tr> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">48</td> <td style="text-align: center;">1701360180</td> <td>SHETE SUBHANGI BASWARAJ</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">11</td> <td style="text-align: center;">1701360156</td> <td>GAVALI SNEHAL BALAJI</td> </tr> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">42</td> <td style="text-align: center;">1701360144</td> <td>PHAD YASHASHREE R</td> </tr> <tr> <td style="text-align: center;">12</td> <td style="text-align: center;">26</td> <td style="text-align: center;">1701360174</td> <td>KULKARNI PRATIKSHA SANTOSH</td> </tr> </tbody> </table>			Sr. No.	Roll No	Enrolment no.	Name of student	Faculty Mentor with Mobile No.	1	20	1701360165	JAMALPURE POOJA DATTARAYA	Ms. R D Kasar 8830002347	2	35	1701360191	MORE TANVI SUDHIR	3	03	1701360148	BHALEKAR MANISHA RAMBHAO	4	29	1701360179	LOHARE MANSI SATISH	5	19	1701360164	JAKKALWAD ARUNA MADHUKAR	6	10	1701360155	GANGAPURE SHUBHANGI BANDAPA	7	09	1701360206	DHESHMANE SUMMAIYA SIDHARAM	Ms. M G Mulge 9325568028	8	08	1701360153	CHOUTEWAR VAISHNAVI BALAPRASAD	9	48	1701360180	SHETE SUBHANGI BASWARAJ	10	11	1701360156	GAVALI SNEHAL BALAJI	11	42	1701360144	PHAD YASHASHREE R	12	26	1701360174	KULKARNI PRATIKSHA SANTOSH
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<p>Kindly do the needful and oblige. Thanking you,</p> <p style="text-align: right;"> Yours sincerely,  Dr. A.M. Agarkar (Principal) Govt.Resi.Women's Poly Latur </p>																																																									
																																																									

Image 2.2.5.3 Placement Letter

<p>Weekly Diary for Industrial Training at</p> <p>Name of industry:</p> <p>From To</p> <p>Name of Supervisor:</p> <p>Designation of Supervisor:</p> <p>Name of the Student: Enrollment No:</p> <p>Branch of Engineering:</p> <p>Name of Polytechnic:</p> <p>(Special instructions to students:</p> <ol style="list-style-type: none"> 1) Write down the daily activity on the same day 2) Make note of the important actual activity/ies only. 3) Summarize at the week-end. 4) Add extra sheets if needed for daily or weekly activity report.) 	<p>Week 1: From..... To.....</p> <p>Expected Work:</p> <ol style="list-style-type: none"> i. Study of organization chart of industry/plant with responsibilities of the employees. ii. General Study of industry, its location, its history and its product range of employees, its turnover etc. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 5%;">Day</th> <th style="text-align: center; width: 95%;">Activities carried out</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>.....</td> </tr> <tr> <td style="text-align: center;">2</td> <td>.....</td> </tr> <tr> <td style="text-align: center;">3</td> <td>.....</td> </tr> <tr> <td style="text-align: center;">4</td> <td>.....</td> </tr> <tr> <td style="text-align: center;">5</td> <td>.....</td> </tr> <tr> <td style="text-align: center;">6</td> <td>.....</td> </tr> </tbody> </table> <p>Weekly summarization of the above activities:</p>	Day	Activities carried out	1	2	3	4	5	6
Day	Activities carried out														
1														
2														
3														
4														
5														
6														

Image 2.2.5.4 Weekly Diary

E. Post training/ internship Assessment (10) Open Separately ([eSARDiplomaQuestion.aspx?Appid=4513&Progid=25&QuestID=464](#))

Edit Answer

- After the completion of 6 weeks Industry Internship / Training, students are briefed about the training and asked to submit report after the completion.

- Internships are having a weightage of 150 marks in term end exam of Vth semester
- The student is assessed by mentor faculty during each week of training.
- Final evaluation of students is done by industry supervisors and external examiner during term end exam through presentation and viva- voce, and training report submission
- Image 2.2.5.5 gives proforma for progressive assessment and end semester assessment of industrial training

Format 4
Evaluation Sheet for PA of Industrial Training

Academic Year 2019-20

Name of Industry:- InGenious Techinohub Private Ltd., Barsi Road Latur

Sr. No	Enrollment Number	Name of Student	Marks (5 marks for each Week) by Mentor & Industry Supervisor Jointly Out of 30 (A)	PA Marks by Industry Supervisor Out of 25 (B)	PA Marks by Mentor Faculty Out of 20 (C)	Total Marks Out of 75 (A)+(B)+(C)
1	1701360173	KSHIRSAGAR NIKITA B	29	24	19	72
2	1701360168	KAMBALE DIKSHA K	28	23	19	70
3	1701360182	SOMAWANSHI SUCHITA S	29	24	19	72
4	1701360193	SURYAWANSHI SNEHA M	29	23	19	71
5	1701360161	INGALE SANSKRUTI A	29	24	19	72
6	1701360177	LADKE SHRADHHA R	29	24	19	72
7	1701360181	SHINDE PRIYANKA N	28	23	19	70
8	1701360195	PARDE PALLAVI R	28	23	19	70
9	1701360194	PANDHARE PRADNYA D	29	24	19	72
10	1701360171	KAMBLE SAYLI S	28	23	19	70
11	1701360190	SURYAWANSHI POOJA D	29	23	19	71
12	1701360149	BIDARKAR VAISHNAVID	28	24	19	71

(A)Marks for PA are to be awarded out of 5 for each week considering the level of completeness of activity observed, from the daily diary maintained.
 (B) Marks are to be awarded by Industry Supervisor on the basis of General Observation and behavioral aspects of students.
 (C) Marks are to be awarded by Mentor faculty on the basis of report, understanding level and work performance of students.

Signature - 
 Name and Designation
 Of the Mentor/Faculty
 S. V. CHAVARE

Signature - 
 Name and Designation
 of the Industry Supervisor
 V. C. THAKUR
 CEO

Image 2.2.5.5 Evaluation sheet of PA for Industrial Training



शासकीय निवासी महिला तंत्रनिकेतन, लातूर
GOVT. RESL WOMEN'S POLYTECHNIC,
BARSHI ROAD, LATUR- 413 531
Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175
E-mail : grwpl_ltr@rediffmail.com

जाक.शानिमतला / ITR / 2019 / 1057
दि. 10 / 07 / 2019.

प्रति,
मा. उपसचिव,
म.सा.तं.शि. मं. विभागीय कार्यालय,
औरंगाबाद.

विषय- I Scheme अन्यासकमातील 5 व्या सत्रातील Industrial Training या
विषयाची परीक्षेसाठी तज्ज्ञ वाहय परीक्षक नेमणे वावत.
संदर्भ- जा.कृ./मरात्शिम/का-40/परीक्षा/लले/उप/19/2019/096/ दि.
05/07/2019.

महोदय,
उपरोक्त संदर्भीय विषयानुसार, I Scheme अन्यासकमातील 5 व्या सत्रातील
Industrial Training या विषयाच्या परीक्षेसाठी खालील वाहय तज्ज्ञ परीक्षक यांची
नेमणुक करण्यात येत आहे.

अ.क्र	वाहय विषय परीक्षक यांचे नाव	विभाग	परीक्षा दिनांक
1	श्री. विशाल मोरे, सॉफ्टवेअर डेव्हलपर आयकॉन टीम प्रायोटेट लिमिटेड, लातूर.	संगणक, अभियांत्रिकी	दि. 11 / 07 / 2019
2	श्री. दिलीप मुंगे असि.इंजिनिअर.एरिंगेशन विभाग, लातूर.	स्थापत्य अभियांत्रिकी	दि. 11 / 07 / 2019
3	श्री.तिवारी एच.डी. Sr.Sub.Divisional Engg. BSNL लातूर.	अणुविद्युत अभियांत्रिकी	दि. 15 / 07 / 2019.

तरी उपरोक्त विषय तज्ज्ञां Industrial Training ची परीक्षा घेणेसाठी
मान्यता मिळाली ही विनंती. जेणे करून विद्यार्थींची परीक्षा घेणे सोईचे होईल.
आपल्या माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी सविनय सादर.

प्राचारण,
शासकीय निवासी महिला तंत्रनिकेतन, लातूर.

Image 2.2.5.6 Appointment Letter for Industrial Training Exam

F. Contribution to Community related projects/activities (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=465\)](#)

Edit Answer

Almost all final year projects are application based and some are related to social development. Following table shows the list of Community related projects

Sr No.	Name of Project	Sponsored Company
1	Job Portal	IngeniousTechnology Pvt,Ltd
2	Function Hall Booking in Latur	IngeniousTechnology Pvt,Ltd
3	News Portal	Mindlabz Software Solutions Pvt.Ltd
4	Joinsta Community Collaboration Platform	Orange VA3 Pvt Ltd
5	City Information System	NA
6	Online Alumni System	NA

Table 1: Community related projects

2.2.6 Information Access Facilities and Student Centric Learning Initiatives (15)

A. Availability of facilities & Effective Utilization; specify the facilities, materials and scope for self-learning, Webinars, NPTEL Podcast, MOOCs etc (10)

[Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=466\)](#)

[Edit Answer](#)

The various facilities, reason for creating these facilities and utilization status is given in below mentioned table.

Sr. No	Name of Facility	Reasons for creating facility	Utilization
1	ICT Enabled Laboratory	The main aim of creating this facility is to facilitate students to use ICT tools in learning process. This facility will improve knowledge retention among students. This facility helps both students and teachers. Teacher can use resources to enhance the traditional ways of teaching and to keep students more engaged.	Utilized on sharing basis among all three years of classes
2	Webinar facility	MSBTE, at state level, organizes webinars from time to time for students as well as teachers.	Utilized at Institute level
3	Video lecture facility	A Setup of Ceiling Mounted Projector, Personal Computer with Internet facility and Speakers is created so that students can get together and watch video lectures created by MSBTE / Subject Expert resource person.	Utilized at Program level
4	Internet connectivity in Internet lab, Programming lab, Operating System Lab, Software development lab	This facility helps students to get connected to Internet world. Students get more knowledge about recent technological trends, open source soft wares and tools, MSBTE educational websites etc. A setup of 70+ Personal Computers is available with Internet facility in each pc for students educational purpose only.	Utilized by students of all three years of course
5	Delnet library network facility	Institute has active Delnet subscription. The Idea behind subscription of DELNET, is to give exposure of worldwide e-contents to students and teachers. Students can get exposure to E-contents, E-books, articles on any topic in any domain. Online Databases, Language learning portal, videos, Ancient Manuscripts and rare books etc are available on DELNET	Used by teachers and students from institute
6	Departmental library	The department has books related to the curriculum and also some books which will help them to gain extra knowledge. These books are issued to the students. These books are used by students for reference purpose.	Utilized by students of all three years of course
7	NPTEL Videos - Local Storage	Two hard-disks contains NPTEL video lectures as local storage. These hard-disks are shared with Electronics department. Video lectures of respective subject are copied on a pc and shown to students	Hard-Disk-Drives are utilized on shared basis with Electronics department
8	Seminar-PowerPoint presentation facility	This facility helps students to give seminar power point presentation on various topics related to academics as well as their projects.	Utilized at Program level

9	Book Bank facility	Book bank facility is created at institute level for students. This allows students to use books for a semester and return back books to library after semester exams are over	Utilized at Institute level
---	--------------------	--	-----------------------------

Above is the list of facilities created for students development purpose.

Following Pictures shows the effective utilization of some of above facilities.



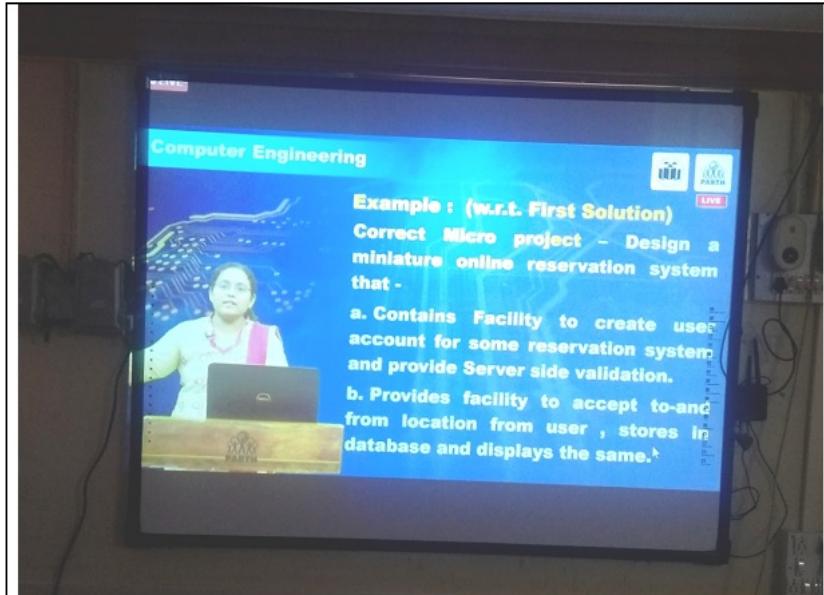
Picture :ICT Enabled lecture to students by M G Mulge, Lecturer in CO, GRWP Latur



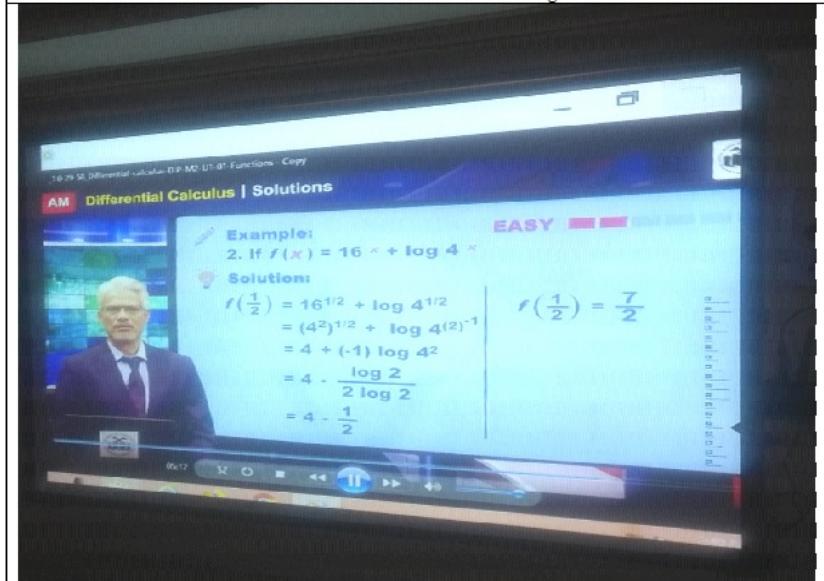
Picture : Use of ICT tools for delivering Expert lecture



Picture : ICT enabled lecture delivery method



Picture : Use of ICT tools for delivering LIVE Webinar



Picture : Utilization of Video Lecture facility

B. Student Centric Learning Initiatives & Effective Implementation (5) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=467\)](#)

[Edit Answer](#)

Computer engineering program at Government residential women polytechnic, Latur organizes various program level activities for student centric learning. These initiatives are like organizing various quiz competitions, Poster presentations, programming competitions etc. These competitions allow students to improve Teamwork and Collaboration, Increasing Intrinsic Motivation, Enhancing Beneficial Peer Comparisons, Facilitating Growth Mindsets. Below mentioned are Initiatives taken.

Sr. No	Learning Initiatives Taken	Used ICT Tools / E-resources / Remarks
1	Organizing seminar on Project Topics	Students do use Projector and PowerPoint tools for preparing seminar presentations. While Preparing PPT, they can also search more references using E-books, DELNET library, Expert made PPTs or Journals etc.
2	Technical Poster Presentation Competition	Technical Poster Presentation competitions allow students to work in team. Find out more information about given topics using ICT technologies. They also learn how to present a topic within given time slot. Generally, topics based on recent technologies like Data Mining, Internet of Things, Cyber Security, Artificial Intelligence etc are given to students so that they do more literature survey on topics using internet.

3	Quiz competitions on various thrust areas	Projector is used to show questions to students and answer to question are given by students after reading question on screen
4	Blind Programming Competitions	In this initiative, All monitors are switched off and students are given programming problem statement. After a student successfully writes the program, screen is turned on and output of given problem statement is seen on screen. In this, a personal computer set is used by a student independently.
6	Encourage students to participate in various state level competitions	Continuous encouragement is given to students to participate in various competitions at state level events. All activities like searching for a particular event on college website, applying it etc requires ITC tools.

The Effective implementation status of some of the above activities is show below by pictures.



Picture : Blind Programming Competition - PCs are ON and Screens are OFF



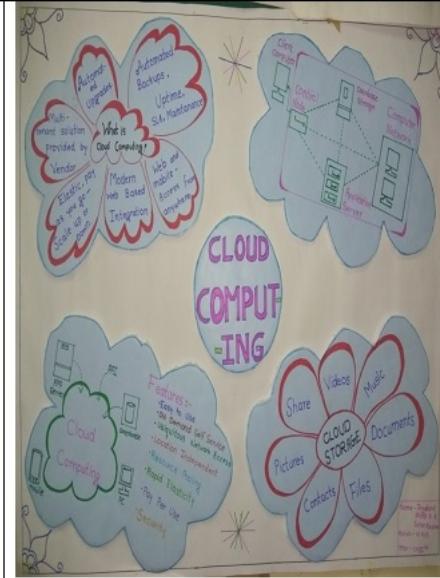
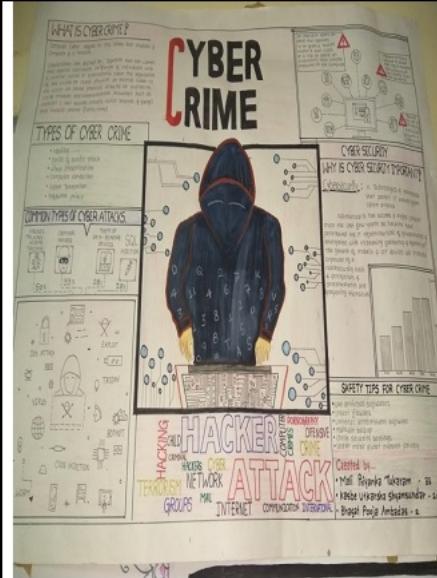
Picture : Blind Programming Competition at Program level



Picture : Use of Projector tool for Quiz competition



Picture : Technical Quiz competition at program level

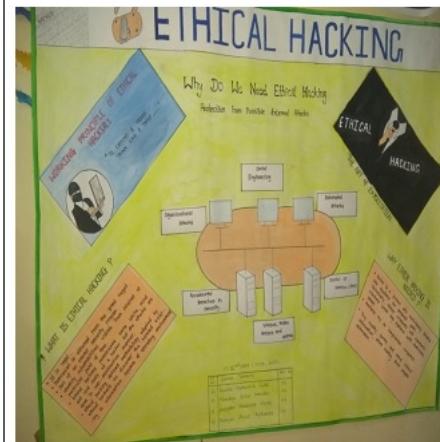


Picture : Poster on Cyber Crime



Picture : Poster on Android Operating System

Picture : Poster on Cloud Computing



Picture : Poster on Ethical Hacking

2.2.7 New Initiatives for embedding Professional Skills (15)

A. Employability skill enhancement Initiatives and effective implementation (8) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=468\)](#)

[Edit Answer](#)

These initiatives are taken for both communication skill enhancements as well as for technical skill enhancement. Some of Career oriented and Communication skill enhancement initiatives are listed below.

Sr.No	Name of the Event	Date/Duration	Conducting authority
1	जीवन संजीवनी	7/12/2018	Mr. Rajesh Chavhan, Founder of Jeevan Sanjiwani, Sahyadri Nagar, Wai Satara
2	Career opportunity	2/23/2018	Dr. S G Kahalekar, Gramin College of Engineering, Nanded. (Siemens IT Solutions)
3	Career planning	1/20/2018	Mr. Devichand Katariya, Career Consultant, Seed Management Services Ltd, Pune

4	Personality development and Environmental issues	1/10/2018	Dr. Prithaviraj S. Lucky, Gyan Chetana Charitable Trust, Bidar, Karnataka
5	Communication Skills	9/6/2017	Mr. Sachidanandan Dhage
6	Experts Speak on Communication Skills development	8/19/2017	Mr. Vivekanand Dhage and Mr. Sachidanandan Dhage

Apart from above soft skill enhancement initiatives, below mentioned initiatives are taken for Employability skill enhancement.

There are various activities organized for overall employability enhancement of students. Various expert lectures are arranged for students. The resource person for these expert lectures are from well reputed industries. The more information in next few tables.

Sr. No	Name of Expert	Topic	Subject	Semester	Name of Inviting Faculty
Academic Year 2019-20					
1	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works	Entrepreneurship Development	All branch final year students	Mr. S V Chavan
2	Mr. Solunke T S Iconic IT Services Pvt. Ltd. Latur- 413531	Ethical Hacking	Computer security	CO5I & CO3I	Ms. M G Mulge, Ms. A S Patil
3	Ms. Panji P P Iconic IT Services Pvt. Ltd. Latur- 413531	IoT	Advance Network Management	CO5I & CO3I	Ms. M G Mulge, Ms. A S Patil
4	Mr. Shubham Jain Sr. Software Engineer Exl Software Solution	Career Guidance	In Computer and Information technology	CO6I	Ms. R D Kasar& Mr. Ambure A D
5	Prof. D D Date, Prof A P Mane , Prof. U V Kawade	Career after Diploma	Entrepreneurship Development	CO6I	Ms. M G Mulge, Ms. A S Patil
Academic Year 2018-19					
1	Mrs. Swami Varsha VA ³ IT Services Pvt. Ltd. Latur- 413531	Ethical Hacking	Computer Security	CO5G	Ms. M G Mulge, Ms. A S Patil
		Cloud Computing	Database Management system	CO3G	
2	Sonali A MustareSynechisAquilam Solutions Pvt. Ltd. Pune	Awareness about IT Technologies	Operating system	CO5G	Ms. M G Mulge, Ms. A S Patil
			Programming Languages	CO3G	
3	Abhijeet A. More CYIN Solutions Pvt. Ltd. Pune	Internet Security	Software Testing and Security	CO6G	Ms. M G Mulge, Ms. R D Kasar

4	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works	EDP	CO6G	Mr. S V Chavan, Mr. S V kendre
Academic Year 2017-18					
1	Mrs. Swami Varsha VA3 IT Services Pvt. Ltd. Latur- 413531	Career Opportunities in IT Industry (18/8/2017)	PPO	CO5G	Ms. M G Mulge, Ms. A S Patil
				CO3G	
2	Mr. Abhijit More CYIN PVT Ltd. Pune	One Day Workshop on Internet Security (29/07/2017)	Computer Security	CO5G	Ms. M G Mulge, Ms. R.D.Kasar
3	Mr. AvinashJadhav, Mr.MangeshGahirwar MINDLABZ S/W Solutions Pvt Ltd ,Latur	Basic Concept of ASP.Net (19/2/2017)	IPR	CO5G	Ms. M G Mulge, Ms. A S Patil
4	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works (9/1/2018)	EDP	CO6G	Mr. S V Chavan, Ms.R.D.Kasar
Academic Year 2016-17					
1	Mrs. Swami Varsha VA3 IT Services Pvt. Ltd. Latur- 413531	Ethical Hacking	Computer Security	CO5G	Ms. M G Mulge, Ms. A S Patil
		Cloud Computing	Database Management system	CO3G	
2	Sonali A MustareSynechisAquilam Solutions Pvt. Ltd. Pune	Awareness about IT Technologies	Operating system	CO5G	Ms. M G Mulge, Ms. A S Patil
			Programming Laguages	CO3G	
3	Abhijeet A. More CYIN Solutions Pvt. Ltd. Pune	Internet Security	Software Testing and Security	CO6G	Ms. M G Mulge, Ms. R D Kasar
				CO4G	
4	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works	EDP	CO6G	Mr. S V Chavan, Mr. S V Kendre

Below is the list of Industrial visits organized for students

Academic Year 2019-20					
Sr. No.	Name Of Industry	Address -Contact Details	Subject Name	Semester/Class	Name Of Staff
1	BSNL-Bharat Sanchar Nigam Limited Latur (8/8/2019)	BSNL Office Gandhi Chowk, Latur-413512	.ACN-22520	CO3I	Mrs.A.S.Patil, Mr.

2	Aarty Offset Industry,Latur (7/2/2020)	MIDC Area,Hadco Latur-413531	CPH-22013	CO2I	Mrs.A.S.Patil, M
3	Operand Technology & IT Solutions Pvt.Ltd, Latur (15/2/2020)	Barshi Road, near Cilai World Shop,Latur-413512	MAD- 22617	CO6I	Mrs.A.S.Patil, M

Academic Year 2018-19					
Sr. No.	Name Of Industry	Address -Contact Details	Subject Name	Semester/Class	Name Of Staff
1	BSNL-Bharat Sanchar Nigam Limited Latur	BSNL Office Gandhi Chowk, Latur-413512	Industrial Visit [IPR]	CO5G	Ms.R.D Kasar Mr.r.E
2	Aarty Offset Industry,Latur	MIDC Area,Hadco Latur-413531	CGR	CO3I	Ms.R.D Kasar
3	Print Pack Business Forms Pvt.Ltd	16-MIDC Area,Latur-413512	WPI	CO2I	Mr. S V. Chava

Academic Year 2017-18					
Sr. No	Name of Industry	Address Contact Details	Semester	Subject Name	Name of Staff
1	BSNL - Bharat Sanchar Nigam Limited Latur (08/09/2017)	BSNL office, Gandhi Chowk Latur- 413512	CO6G	PPT	Mr. R D Kasar, Mr. R B Sa
2	Mindlabz Software Solutions Latur (18/09/2017)	Behind Hotel Grand, Latur	CO5G	PPT	Mrs. A. S Patil, M
3	Mindlabz Software Solutions Latur (09/10/2017)	Behind Hotel Grand, Latur	CO4G	PPO	Mr. S.V.Chavan, i

Academic Year 2016-17					
Sr. No	Name of Industry	Address Contact Details	Semester	Subject Name	Name of Staff
1	BSNL - Bharat Sanchar Nigam Limited Latur	BSNL office, Gandhi Chowk Latur- 413512	CO6G	PPO	Mr. R D Kasar, Mr. R B Sa
2	Aarty offset industries Latur	MIDC area, Hadco Latur - 413531	CO4G	PPT	Mrs. A. S Patil, Mr. A
3	Oriange IT Services Pvt. Ltd. Latur	Near Water Tank, Barshi Road Latur - 413531	CO5G	Industrial Visit [IPR]	Ms. R D Kasar,

Below are some of pictures which shows effective implementation of Employability skill enhancement Initiatives



Picture : Expert lecture on Improving Communication Skill by Mr. Sachidanand Dhage



Picture : Expert lecture on Improving Communication Skill by Mr. Sachidanand Dhage



Picture : Workshop on 'Career Planning,' Seed Management Services, Pune.

B. Personality development related Initiatives & effective implementation (7) [Open Separately \(eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=469\)](#)

[Edit Answer](#)

The institute, Government residential womens polytechnic, Latur is mainly a residential institute. Majority of students from all program do stay at hostel in the institute campus only. There are plenty of programs which are organized for the students.

The list of such programs organized is given below.

Year : 2019-20					
Sr. No	Name of the Event	Date / Duration	Conducting authority	No. of beneficiaries	Remark / any additional info
1	Regarding the access to and awareness of Menstrual hygiene Management	7/22/2019	Dr.Shilpa Tadurwar, Suman Industries Pvt.Ltd MIDC,Latur	700	Hostel Department
2	Womens Health awareness : Menstrual hygiene Management	8/9/2019	Dr.Shilpa Tadurwar, Suman Industries Pvt.Ltd MIDC,Latur	530	Hostel Department
3	Inclusion of Sahaj Yog as a part of Student Induction Programme	8/2/2019	Shri.Aakash Gholap and Balaji Jadhav Saha Yog Meditation Team,H.H.S.M.N.D.Sahajyog Trust	600	Hostel Department
4	Sahaj Yog :Emotional Physical ability and Concentration	8/31/2020	Shri.Aakash Gholap and Balaji Jadhav Saha Yog Meditation Team,H.H.S.M.N.D.Sahajyog Trust	600	Hostel Department
5	Cleanliness Competition	9/21/2019	Rector and All Wardens	650	Hostel Department
6	Counseling of Exam for Copy free Environment	11/7/2019	Rector and All Wardens	600	Hostel Department
7	International Karate :Phase-I	13-12-2019 to 22-12-2019	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association	130	Hostel Department
8	Marathi Bhasha Sanvardhan Pandharwada	01-01-2020 to 15-01-2020	Principal, Rector and All Wardens	600	Hostel Department
9	Health Camp	02-01-2020 to 03-01-2020	Shreyas Rotary Club of Latur	600	Hostel Department
10	Womens Empowerment	1/6/2020	Smt.Wadkar Madam and Dandime Madam Police Station Babhalgaon,Latur	600	Hostel Department
11	Paul Japun Tak	1/28/2020	Smt.Prajakata Bhosale, Yoga teacher Latur	700	Hostel Department
12	Yog Shibir	28-01-2020 to 01-02-2020	Vaishali Renapure, Sunita Kadam, Deshpande Bhargavi Yog Shishak Padvika Abhyas Kendra-8462-A University Nashik	100	Hostel Department

13	International Karate :Phase-II	08-02-2020 to 17-02-2020	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association	130	Hostel Department
14	Menstrual hygiene Management, Disease Precautions	2/15/2020	Dr.Shilpa Tadurwar, Suman Industries Pvt.Ltd MIDC,Latur	270	Hostel Department
15	Health Camp	3/5/2020	Shreyas Rotary Club of Latur	500	Hostel Department

Above is the list of activities organized in year 2019-20.

Year : 2018-19					
Sr. No	Name of the Event	Date / Duration	Conducting authority	No. of beneficiaries	Remark/ any additional info
1	Motivation and Time Management	7/5/2018	Shri.Raghunath A.Kulkarni, Lecturer Mechanical GRWP Tasgaon	200	Hostel Department
2	Logical Thinking	7/26/2018	Smt.V.B.Swami V Mintz Lab Software, Solutions Orient Pvt. Ltd Latur. Shri.Avinash Jadhav Shri.Menkudale	285	Hostel Department
3	Diet and Health	8/9/2018	Rector and All Wardens	500	Hostel Department
4	Rashtriya Jantnashak Din : Distribution of Tablets to Students	10-08-2018 and 16-08-2018	Medical Officer, Municipal Corporation Latur	650	Hostel Department
5	Cleanliness Awareness Programme	8/20/2018	Rector and All Wardens	650	Hostel Department
6	Sakhola Dhyan	8/23/2018	Brahmkumari Aashram manha Shakti Kendra	600	Hostel Department
7	Pranayam and Yog	9/6/2018	Vankatesh V. Munde	400	Hostel Department
8	Mind Control Session : Pranayam and Yoga	9/7/2018	Vankatesh V. Munde	400	Hostel Department
9	International Karate :Phase-I	20-09-2018 to 26-09-2018	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association	350	Hostel Department
10	Womens Empowerment	1/7/2019	Smt.Wadkar Madam and Dandime Madam Police Station Babhalgaon,Latur	700	Hostel Department

Above is list of activities organized in year 2018-19

Year : 2017-18					
Sr. No	Name of the Event	Date/ Duration	Conducting authority	No. of beneficiaries	
1	Parents Meet	8/1/2017	Principal, Rector and All Wardens	250	/

2	Cleanliness Awareness Program	8/20/2017	Rector and All Wardens	500
3	Counseling of Exam for Copy free Environment	11/10/2017	Rector and All Wardens	600
4	Health Camp	1/5/2018	Shreyas Rotary Club of Latur	500
5	Counseling of Exam for Copy free Environment	4/11/2018	Rector and All Wardens	600

Year : 2016-17				
Sr. No	Name of the Event	Date/ Duration	Conducting authority	No. of beneficiaries
1	Parents Meet	8/3/2016	Principal, Rector and All Wardens	250
2	Cleanliness Awareness Programme	8/20/2016	Rector and All Wardens	500
3	Counselling of Exam for Copy free Environment	11/10/2016	Rector and All Wardens	600
4	Health Camp	1/6/2017	Shreyas Rotary Club of Latur	500
5	Counseling of Exam for Copy free Environment	4/1/2017	Rector and All Wardens	600

2.2.8 Co-curricular & Extra Curricular Activities (10) Open Separately (eSARDiplomaQuestion.aspx?Appid=4513&ProgId=25&QuestID=128)

(The institution may specify the co-curricular and extra-curricular activities) (Quantify activities such as NCC, NSS etc.)

[Edit Answer](#)

The Institute, Government Residential women's polytechnic, Latur and Computer engineering program arranges various Co-curricular and Extra-Curricular Activities. These activities allows students to explore strengths and talents outside confidence and self-esteem, building skills that are not necessarily taught in the classroom but are still important in near future. Students actively participate in various activities. A list of Co-curricular and Extra-Curricular activities organized at institute level is given below. Along with this, students actively do participate at various other institutes in state level as well as national level events.

1. Various Sports activities
2. Quiz Competition
3. Blind Programming Competition
4. Poster Presentation Competition
5. Tree Plantation activity
6. Swachchata Abhiyan (Cleanliness Program)
7. Time Management skill oriented program
8. Logical reasoning program
9. Diet and Health awareness program
10. Self Protection awareness program
11. Expert Lectures
12. Industrial Visits etc.

Below mentioned table shows the list of students who participated in various sports Competition at zonal, state level.

ACADEMIC YEAR - 2019 - 2020				Venue	Date
SR NO	Name of Student	Type of Competition	Level	Venue	Date
1	Kale Sharyu Maruti	VolleyBall	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020
2	Gude Vaishnavi Pramod	VolleyBall	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020
3	Farkande Vaishnavi A	CHESS	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020

4	Kamble Rupali Hirachand	Kabaddi	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020
5	Vaishnavi Suhas Potdar	Kabaddi	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020
6	Balure Prerana Keshavrao	Kabbaddi	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020
7	BARMADE AISHWARYA VITHAL	Kho-Kho	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020
8	MALI MANISHA MOHAN	Kho-Kho	Zonal Competition - 2020 Zone-W2	Government Polytechnic, Hingoli	13/01/2020 to 15/01/2020
9	Kale Sharyu Maruti	VolleyBall	Inter Zonal Competition 2020	Government Residential Womens Polytechnic, Tasgaon	15/02/2020 to 16/02/2020
10	Gude Vaishnavi Pramod	VolleyBall	Inter Zonal Competition 2020	Government Residential Womens Polytechnic, Tasgaon	15/02/2020 to 16/02/2020
11	Farkande Vaishnavi A	CHESS	Inter Zonal Competition 2020	Government Residential Womens Polytechnic, Tasgaon	15/02/2020 to 16/02/2020
12	Kamble Rupali Hirachand	Kabaddi	Inter Zonal Competition 2020	Government Residential Womens Polytechnic, Tasgaon	15/02/2020 to 16/02/2020
13	BARMADE AISHWARYA VITHAL	Kho-Kho	Inter Zonal Competition 2020	Government Residential Womens Polytechnic, Tasgaon	15/02/2020 to 16/02/2020
14	MALI MANISHA MOHAN	Kho-Kho	Inter Zonal Competition 2020	Government Residential Womens Polytechnic, Tasgaon	15/02/2020 to 16/02/2020

Above table shows active participation of students of computer engineering in various sports activities like Kabaddi, Volley Ball, CHESS, Kho-Kho etc at zonal level as well as Inter zonal level sport events during academic year 2019 – 2020.

ACADEMIC YEAR - 2018 - 2019					
SR NO	Name of Student	Type of Competition	Level	Venue	Date
1	TARE ANKITA	ATHLETICS	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
2	MALI MANISHA MOHAN	KHO-KHO	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
3	SHINDE JYOTI BHAIKAVNATH	KHO-KHO	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
4	BIRAJDAR MADHURI MADHUKAR	KHO-KHO	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
5	BALURE PRERANA KESHAVRAO	Kabaddi	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
6	SHETE SHUBHANGI	ATHLETICS	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
7	KAMBLE KAJAL BHALCHANDRA	Kabaddi	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
8	RATHOD MANISHA PHULCHAND	Kabaddi	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019

9	KSHIRSAVAR YOGITA BHARATRAO	Kabbaddi	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
10	SHIRPURE SNEHA SHRIMANT	KHO-KHO	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
11	Kamble vaishnavi shrimant	BASKET BALL	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
12	Jogi geeta gorkhnath	BASKET BALL	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
13	Udgire swati bhagwan	BASKET BALL	Zonal Competition 2019 Zone-W2	Government Polytechnic, Hingoli	15/01/2019 to 17/01/2019
14	TARE ANKITA	ATHLETICS	State level Inter Zonal Competition 2019-20	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
15	MALI MANISHA MOHAN	KHO-KHO	State level Inter Zonal Competition 2019-21	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
16	SHINDE JYOTI BHAIRAVNATH	KHO-KHO	State level Inter Zonal Competition 2019-22	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
17	BIRAJDAR MADHURI MADHUKAR	KHO-KHO	State level Inter Zonal Competition 2019-23	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
18	BALURE PRERANA KESHAVRAO	Kabbaddi	State level Inter Zonal Competition 2019-24	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
19	SHETE SHUBHANGI	ATHLETICS	State level Inter Zonal Competition 2019-25	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
20	KAMBLE KAJAL BHALCHANDRA	Kabbaddi	State level Inter Zonal Competition 2019-26	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
21	RATHOD MANISHA PHULCHAND	Kabbaddi	State level Inter Zonal Competition 2019-27	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
22	KSHIRSAVAR YOGITA BHARATRAO	Kabbaddi	State level Inter Zonal Competition 2019-28	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
23	SHIRPURE SNEHA SHRIMANT	KHO-KHO	State level Inter Zonal Competition 2019-29	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
24	Kamble vaishnavi shrimant	BASKET BALL	State level Inter Zonal Competition 2019-30	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
25	Jogi geeta gorkhnath	BASKET BALL	State level Inter Zonal Competition 2019-31	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019
26	Udgire swati bhagwan	BASKET BALL	State level Inter Zonal Competition 2019-32	Government Residential Womens Polytechnic Latur	12, 13 and 14 February 2019

Above table shows active participation of students of computer engineering in various sports activities like ATHLETICS, KHO-KHO, BASKET BALL etc at zonal level as well as state level sport events during academic year 2018 – 2019.

ACADEMIC YEAR - 2017-2018					
SR NO	Name of Student	Type of Competition	Level	Venue	Date
1	Gurude Mahananda Madhukar	Kabbaddi	Zonal Competition 2018 W-2 Zone	Rural Polytechnic, Nanded	05.01.2018 to 07.01.2018

2	Kamble Kajal Bhalchandra	Kabbaddi	Zonal Competition 2018 W-2 Zone	Rural Polytechnic, Nanded	05.01.2018 to 07.01.2018
3	Birajdar Madhuri Madhukar	Kabbaddi	Zonal Competition 2018 W-2 Zone	Rural Polytechnic, Nanded	05.01.2018 to 07.01.2018
4	Gardener Manisha Mohan	KHO-KHO	Zonal Competition 2018 W-2 Zone	Rural Polytechnic, Nanded	05.01.2018 to 07.01.2018
5	Shirpure Sneha Shrimant	KHO-KHO	Zonal Competition 2018 W-2 Zone	Rural Polytechnic, Nanded	05.01.2018 to 07.01.2018
6	Gurude Mahananda Madhukar	Kabbaddi	Inter-Zonal Competition 2018 W-2 Zone	Government Residential Womens Polytechnic, Tasgaon	25.02.2018 to 26.02.2018
7	Kamble Kajal Bhalchandra	Kabbaddi	Inter-Zonal Competition 2018 W-2 Zone	Government Residential Womens Polytechnic, Tasgaon	25.02.2018 to 26.02.2018
8	Birajdar Madhuri Madhukar	Kabbaddi	Inter-Zonal Competition 2018 W-2 Zone	Government Residential Womens Polytechnic, Tasgaon	25.02.2018 to 26.02.2018
9	Gardener Manisha Mohan	KHO-KHO	Inter-Zonal Competition 2018 W-2 Zone	Government Residential Womens Polytechnic, Tasgaon	25.02.2018 to 26.02.2018
10	Shirpure Sneha Shrimant	KHO-KHO	Inter-Zonal Competition 2018 W-2 Zone	Government Residential Womens Polytechnic, Tasgaon	25.02.2018 to 26.02.2018

Above table shows active participation of students of computer engineering in various sports activities like Kabbaddi, KHO-KHO etc at zonal level as well as Inter-Zonal level sport events during academic year 2017 – 2018.

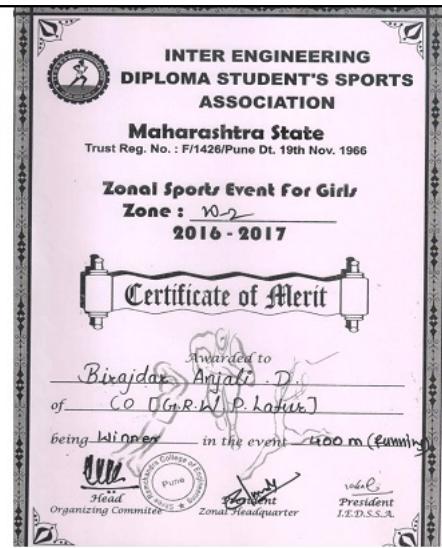
ACADEMIC YEAR - 2016-2017					
SR NO	Name of Student	Type of Competition	Level	Venue	Date
1	Shinde Jyoti B	Kho-Kho	Zonal Competition 2017 W-2 Zone	Pune	2/2/2017 and 3/2/2017
2	Birajdar Anjali	Running	Zonal Competition 2017 W-2 Zone	Pune	2/2/2017 and 3/2/2017
3	Gurude Mahananda	Kabbadi & High Jump	Zonal Competition 2017 W-2 Zone	Pune	2/2/2017 and 3/2/2017
4	Giri Namrata	Kho-Kho	Zonal Competition 2017 W-2 Zone	Pune	2/2/2017 and 3/2/2017
5	Birajdar Madhuri	Kho-Kho	Zonal Competition 2017 W-2 Zone	Pune	2/2/2017 and 3/2/2017
6	Bhandapalle Sayali	Badminton	Zonal Competition 2017 W-2 Zone	Pune	2/2/2017 and 3/2/2017
7	Swami Rupali A.	Vollyball	Zonal Competition 2017 W-2 Zone	Pune	2/2/2017 and 3/2/2017
8	Gitte Pragati	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017
9	kuberkar Rajanandini	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017
10	Kadam Anjali	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017
11	Tidake Pranjali	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017
12	Jogdand Vaishanavi	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017
13	Kshirsagar Sharayu	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017
14	Panchal Shital	Badminton	Internal	LATUR	27/1/2017 & 28/1/2017
15	Darshana Sonar	Chess	Internal	LATUR	27/1/2017 & 28/1/2017

16	Mamadge Shital	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017
17	Kulkarni Anuja*	Badminton	Internal	LATUR	27/1/2017 & 28/1/2017
18	Makanikar Purnima	Kabbadi	Internal	LATUR	27/1/2017 & 28/1/2017
19	Saknure Shivani	Kho-Kho	Internal	LATUR	27/1/2017 & 28/1/2017

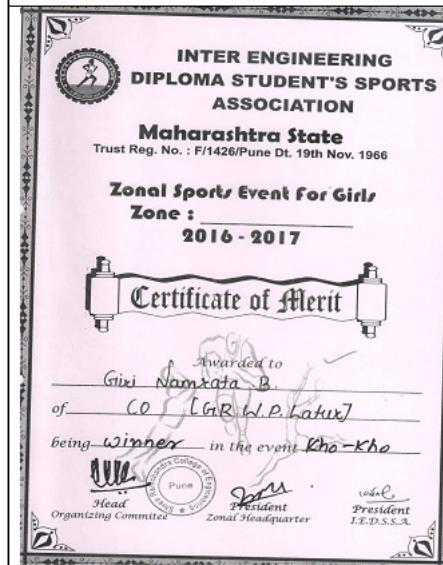
Above table shows active participation of students of computer engineering in various sports activities like Kho-Kho, Kabbadi & High Jump, Chess at zonal level as well as Inter-Zonal level sport events during academic year 2016 – 2017.



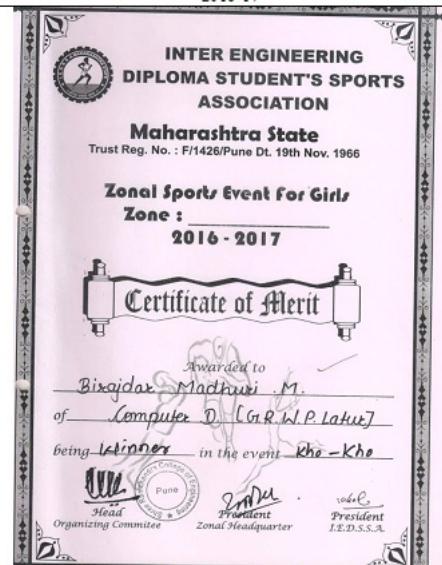
Picture : Shinde Jyoti B., Winner in Kho-Kho in 2016-17



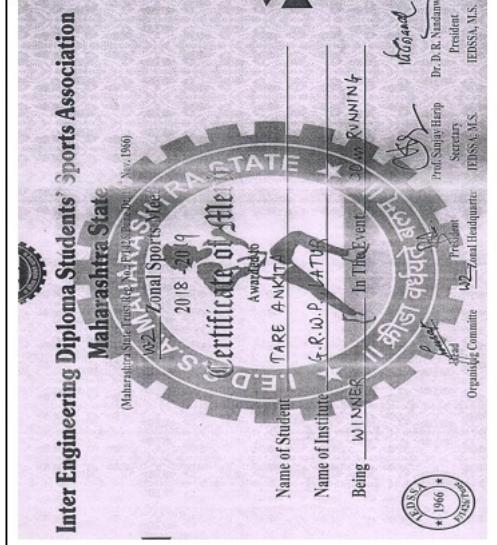
Picture : Birajdar Anjali D., Winner in 400 mtr Running in 2016-17



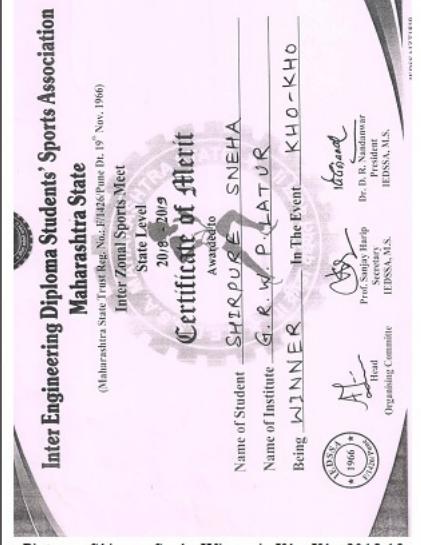
Picture : Giri Namrata B., Winner in Kho-Kho in 2016-17



Picture : Birajdar Madhuri M., Winner in Kho-Kho in 2016-17



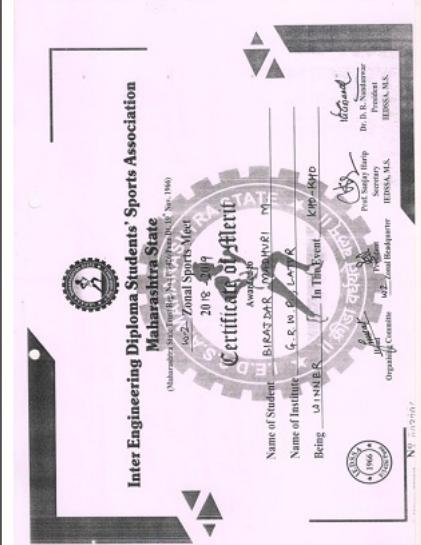
Picture : Tare Ankita, Winner in Running 2018-19



Picture : Shirpure Sneha, Winner in Kho-Kho 2018-19



Picture : Birajdar Madhuri, Winner Inter Zonal Sports in Kho-Kho 2018-19



Picture : Birajdar Madhuri, Winner W2 Zonal Sports in Kho-Kho 2018-19



Picture : Winner trophies by students in Zonal Sports January 2020



Picture : Winner KHO - KHO Team at Zonal Sports at G P Hingoli

Apart from above mentioned sports activities, students of computer engineering department also participate in the events or competitions organized at program level and institute level. Below mentioned few tables give overview of activities and institute level for development of students.

Year : 2019-20					
Sr.No	Name of the Event/Activity	Date/Duration	Resource Person/Conducting authority	No. of beneficiaries	Remark/ any additional info
1	MSBTE Live Webinar on Emerging trends in Computer Engg	04-01-2020	MSBTE Expert Person	55	Live-State Level Orientation activity
2	How to Write on Wikipedia in "Marathi Language"	13-01-2020	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	61	Institute Level Activity
3	Tree Plantation Activity at Village Nagzari	03-02-2020	Mrs.S A Agarkar, Chief Coordinator ECO CLUB and Lecturer in ET, Smt. R D Kasar, Lecturer in Computer Engg,	15	Institute Level Activity

4	Technical Poster Presentation on Topics a) Data Mining b) Internet of Things c) Cyber Security d) Artificial Intelligence e) Green Computing f) Save water Save Life	18-09-2019	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	180+ (CO1I,CO3I,CO5I)	Program Level Activity
5	Blind Programming competition on C++ Language	13-09-2019	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	66+(CO3I)	Program Level Activity
6	Blind Programming competition on JAVA Language	04-09-2019	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	50+(CO5I)	Program Level Activity
7	Quiz Competition on "C Programming"	27-08-2019	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	66+(CO3I)	Program Level Activity
8	Technical Quiz on Advanced Java Programming	22-01-2019	Mrs J R Hange, HoD, Computer Engg dept	50+	Program Level Activity

Above table gives list of activities in year 2019-20. These activities are organized at program level and institute level.

Year : 2018-19					
Sr.No	Name of the Event/Activity	Date/Duration	Resource Person/Conducting authority	No. of beneficiaries	Remark/ any additional info
1	Swachhata Abhiyan (Cleanliness Program)	30-08-2018	Head of Computer Engg department	58	Program Level Activity
2	Blind Programming competition on C++ Language	21-09-2018	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	15	Program Level Activity
3	Blind Programming competition on C Language	12-09-2018	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	15	Program Level Activity
4	Technical Poster Presentation on Topics a) Internet Security b) Artificial Intelligence c) Robotics computing d) Social Media Awareness e) Latest technologies in computer science f) E-Waste recycling	27-09-2018	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	180+ (CO1I,CO3I,CO5I)	Program Level Activity
5	वेळेचे सुव्यवस्थापन (Time Management)	05-07-2018	Shri. Raghunath Ananat Kulkarni - Expert from management field	70+	Institute Level Activity
6	तार्किक विचार (Logical Thinking)	26-07-2018	Quiz Trainers GRWP Latur	66	Institute Level Activity
7	आहार आणि स्वास्थ्य (Diet and Health)	09-08-2018	Professional from Medical field	70+	Institute Level Activity
8	सखोल ध्यान (Deep meditation)	23-08-2018	ब्रह्मकुमारी आश्रम / मनः शक्ती केंद्र	66+	Institute Level Activity
9	प्राणायाम आणि योग (Pranayama and Yoga)	06-09-2018	Yoga Teacher	66	Institute Level Activity
10	स्व-संरक्षण (Self Protection)	20-09-2018 to 26-09-2018	Smt Ashwini Taak	70+	Institute Level Activity
11	आजवी राष्ट्रभक्ती (Todays Patriotism)	04-10-2018	Social Worker-NGO	70+	Institute Level Activity
12	Swachhata Abhiyan (Cleanliness Program)	15-09-2018	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	69	Program Level Activity

Year : 2017-18		
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Sr.No	Name of the Event/Activity	Date/Duration	Resource Person/Conducting authority	No. of beneficiaries
1	IEDSSA 2017-18	05-01-2018 to 06-01-2018	W2 Zonal Sports, Gramin Polytechnic Nanded	55
2	Swachhata Abhiyan (Cleanliness Program)	25-01-2018	Mr. S V Chavhan, HoD, Computer Engg Dept	105
3	Quiz Competition on Mental Ability	26-02-2018	Mr. S V Chavhan, HoD, Computer Engg Dept	45
4	Quiz Competition on C Programming	27-02-2018	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	73
5	Expert lecture on Career Planning	20-01-2018	Shri Devichand Katariya	60+
6	Expert lecture on Career Opportunity under personality development	22-02-2018	GRACE, Vishnupuri, Nanded	100+
7	Cultural event for Welcome ceremony of First year students in computer engg Program	29-09-2017	CO5G, CO3G students and all staffs of computer engg program	170+
8	Buzzer quiz competition "Computer Technology"	28-09-2017	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	50+
9	Poster Presentation competition "Computer Technology"	29-09-2017	Mrs. A S Patil, Lecturer in Computer Engg, G.R.W.P Latur	50+
10	One week Workshop on Yoga "Yogshibir"	01-08-2017 to 08-08-2017	Shri Vynkat Munde, Executive engg, BSNL Latur	100+
11	Expert lecture on Communication Skill	06-09-2017	Shri Sachhidand Dhage and Shri Vivekanand Dhage	100+

Year : 2016-17

Sr.No	Name of the Event/Activity	Date/Duration	Resource Person/Conducting authority	No. of beneficiaries	Image
1	Quiz competition on General Aptitude	01-02-2016 to 05-02-2016	M G Mulge, Lecturer in Computer Engg, G.R.W.P, Latur	50+	
2	Technical Quiz competition	01-02-2016 to 05-02-2016	M G Mulge, Lecturer in Computer Engg, G.R.W.P, Latur	50+	
3	Quiz on Programming Skills	01-02-2016 to 05-02-2016	M G Mulge, Lecturer in Computer Engg, G.R.W.P, Latur	50+	

The below pictures show effective implementation of activities.



Picture : Buzzer quiz competition on "Computer Technology"



Picture : Buzzer quiz competition on "Computer Technology"



Picture : Technical Poster Presentation competition at program level



Poster presentation



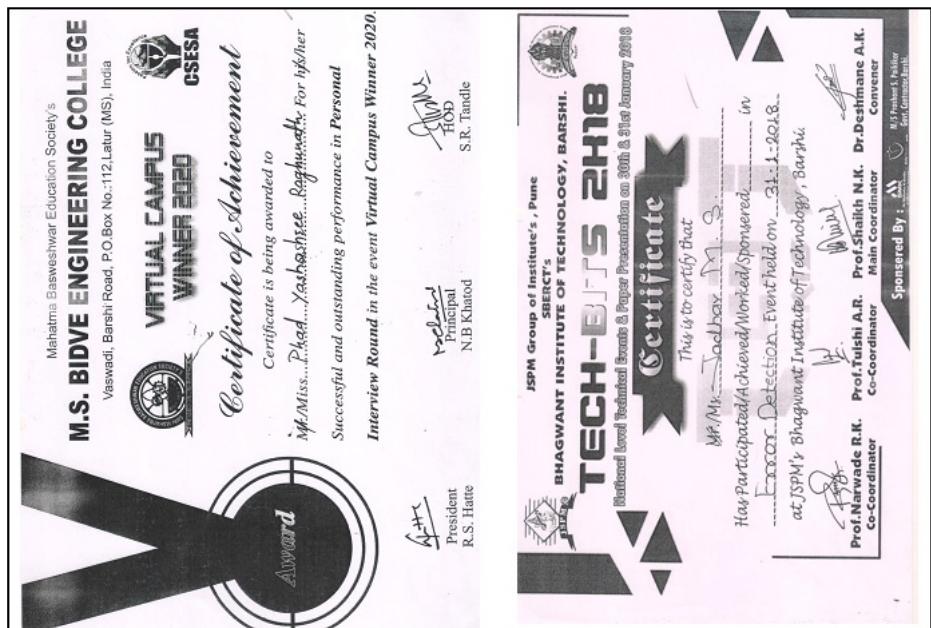
Picture : Technical Poster Presentation competition at program level

Following table shows list of students who participated in various co-curricular activities at state level, at other institutes from 2017-18 to 2019-20

Sr.No	Name of Student	Name of Event	Date/Duration	Venue
1	Mane Rutuja Dhirendra	Virtual Campus Recruitment Program - VCRP-2020	1,2 March 2020	Sandipani Technical Campus, Latur
2	Peddawad Mayuri Madhav	Virtual Campus Recruitment Program - VCRP-2020	1,2 March 2020	Sandipani Technical Campus, Latur
3	Phad Yashshree Raghunath	Virtual Campus by CSESA	Jan-20	M S Bidve Engineering College, Latur
4	Yashashree Phad	Virtual Campus - General Aptitude round	Jan-20	M S Bidve Engineering College, Latur
5	Phad Yashshree Raghunath	Virtual Campus by CSESA - Peronal Interview round	Jan-20	M S Bidve Engineering College, Latur
6	Jadhav M S	National Level Technical Events and Paper Presentation - Error Detection	30,31 January 2018	Bhagwant Institute of Technology, Barshi
7	Jadhav Mayuri Satish	National Level Technical Events and Paper Presentation - C/C++ Programming	30,31 January 2018	Bhagwant Institute of Technology, Barshi
8	Gitanjali Parandkar	C-Code competition	09-09-2018	Oriange Services Pvt Ltd Latur
9	Jadhav Madhuri G	Poster Presentation	1/2/2018- 2/2/2018	MindLabz Pvt. Ltd. Latur
10	Bade Vaishnavi D	Poster Presentation	1/2/2018- 2/2/2018	MindLabz Pvt. Ltd. Latur

11	Deshmane Summaiya S	Poster Presentation	1/2/2018- 2/2/2018	MindLabz Pvt. Ltd. Latur
12	Tandale Harshita	C-Code competition	09-09-2018	Oriange Services Pvt Ltd Latur
13	Tandale Harshita	Workshop on Career Plan	20-Jan-18	Seed Infotech Pune
14	Swami Jyoti	C and C++ Code competition	30,31 January 2018	BIT College Barshi
15	Swami Jyoti	Workshop on Career Plan	20-Jan-18	Seed Infotech Pune
16	Parandkar G M	Error Detection	30,31 January 2018	BIT College Barshi
17	Tandale Harshita Pandurang	C-Code competition	09-09-2018	Oriange Services Pvt Ltd Latur
18	Muley Mayuri Sanjay	Code Master - C Programming Competition	24,25 Sept 2017	M S Bidve Engineering College, Latur
19	Deshpande Varshali Kiran	Code Master - C Programming Competition	24,25 Sept 2017	M S Bidve Engineering College, Latur
20	Darfalkar Shraddha Kakasaheb	Code Master - C Programming Competition	24,25 Sept 2017	M S Bidve Engineering College, Latur
21	Jadhav Shital Arun	Code Master - C Programming Competition	24,25 Sept 2017	M S Bidve Engineering College, Latur

Below sample picture shows, certificates and trophy of winner students.



Picture : Phad Yashashree Raghunath, Award in "Personal Interview"

Picture : Jadhav M.S, Participation in "Error Detection" round



Below is the list of Industrial visits organized for students.

Academic Year 2019-20					
Sr. No.	Name Of Industry	Address -Contact Details	Subject Name	Semester/Class	Name Of Staff
1	BSNL-Bharat Sanchar Nigam Limited Latur (8/8/2019)	BSNL Office Gandhi Chowk, Latur-413512	.ACN-22520	CO3I	Mrs.A.S.Patil, M...
2	Arty Offset Industry,Latur (7/2/2020)	MIDC Area,Hadco Latur-413531	CPH-22013	CO2I	Mrs.A.S.Patil, M...
3	Operand Technology & IT Solutions Pvt.Ltd, Latur (15/2/2020)	Barshi Road, near Cilai World Shop,Latur-413512	MAD- 22617	CO6I	Mrs.A.S.Patil, M...

Academic Year 2018-19					
Sr. No.	Name Of Industry	Address -Contact Details	Subject Name	Semester/Class	Name Of Staff
1	BSNL-Bharat Sanchar Nigam Limited Latur	BSNL Office Gandhi Chowk, Latur-413512	Industrial Visit [IPR]	CO5G	Ms.R.D Kasar Mr.R.B...
2	Arty Offset Industry,Latur	MIDC Area,Hadco Latur-413531	CGR	CO3I	Ms.R.D Kasar M...
3	Print Pack Business Forms Pvt.Ltd	16-MIDC Area,Latur-413512	WPI	CO2I	Mr. S V. Chavan...

Academic Year 2017-18					
Sr. No	Name of Industry	Address Contact Details	Semester	Subject Name	Name of Staff
1	BSNL - Bharat Sanchar Nigam Limited Latur (08/09/2017)	BSNL office, Gandhi Chowk Latur- 413512	CO6G	PPT	Mr. R D Kasar, Mr. R B Sa...
2	Mindlabz Software Solutions Latur (18/09/2017)	Behind Hotel Grand, Latur	CO5G	PPT	Mrs. A. S Patil, M...
3	Mindlabz Software Solutions Latur (09/10/2017)	Behind Hotel Grand, Latur	CO4G	PPO	Mr. S.V.Chavan, M...

Academic Year 2016-17					
Sr. No	Name of Industry	Address Contact Details	Semester	Subject Name	Name of Staff
1	BSNL - Bharat Sanchar Nigam Limited Latur	BSNL office, Gandhi Chowk Latur- 413512	CO6G	PPO	Mr. R D Kasar, Mr. R B Sa...
2	Arty offset industries Latur	MIDC area, Hadco Latur - 413531	CO4G	PPT	Mrs. A. S Patil, M...
3	Oriange IT Services Pvt. Ltd. Latur	Near Water Tank, Barshi Road Latur - 413531	CO5G	Industrial Visit [IPR]	Ms. R D Kasar, M...

Below is the list of expert lectures arranged

Sr. No	Name of Expert	Topic	Subject	Semester	Name of Inviting Faculty

Academic Year 2019-20					
1	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works	Entrepreneurship Development	All branch final year students	Mr. S V Chavan
2	Mr. Solunke T S Iconic IT Services Pvt. Ltd. Latur- 413531	Ethical Hacking	Computer security	CO5I & CO3I	Ms. M G Mulge, Ms. A S Patil
3	Ms. Panji P P Iconic IT Services Pvt. Ltd. Latur- 413531	IoT	Advance Network Management	CO5I & CO3I	Ms. M G Mulge, Ms. A S Patil
4	Mr. Shubham Jain Sr. Software Engineer Exl Software Solution	Career Guidance	In Computer and Information technology	CO6I	Ms. R D Kasar& Mr. Ambure A D
5	Prof. D D Date, Prof A P Mane , Prof. U V Kawade	Career after Diploma	Entrepreneurship Development	CO6I	Ms. M G Mulge, Ms. A S Patil
Academic Year 2018-19					
1	Mrs. Swami Varsha VA ³ IT Services Pvt. Ltd. Latur- 413531	Ethical Hacking	Computer Security	CO5G	Ms. M G Mulge, Ms. A S Patil
		Cloud Computing	Database Management system	CO3G	
2	Sonali A MustareSynechisAquilam Solutions Pvt. Ltd. Pune	Awareness about IT Technologies	Operating system	CO5G	Ms. M G Mulge, Ms. A S Patil
			Programming Languages	CO3G	
3	Abhijeet A. More CYIN Solutions Pvt. Ltd. Pune	Internet Security	Software Testing and Security	CO6G	Ms. M G Mulge, Ms. R D Kasar
4	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works	EDP	CO6G	Mr. S V Chavan, Mr. S V kendre
Academic Year 2017-18					
1	Mrs. Swami Varsha VA3 IT Services Pvt. Ltd. Latur- 413531	Career Oppertunities in IT Industry (18/8/2017)	PPO	CO5G	Ms. M G Mulge, Ms. A S Patil
				CO3G	
2	Mr.Abhijit More CYIN PVT Ltd.Pune	One Day Workshop on Internet Security (29/07/2017)	Computer Security	CO5G	Ms. M G Mulge, Ms. R.D.Kasar

3	Mr. AvinashJadhav, Mr.MangeshGahirwar MINDLABZ S/W Solutions Pvt Ltd ,Latur	Basic Concept of ASP.Net (19/2/2017)	IPR	CO5G	Ms. M G Mulge, Ms. A S Patil
4	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works (9/1/2018)	EDP	CO6G	Mr. S V Chavan, Ms.R.D.Kasar
Academic Year 2016-17					
1	Mrs. Swami Varsha VA3 IT Services Pvt. Ltd. Latur- 413531	Ethical Hacking	Computer Security	CO5G	Ms. M G Mulge, Ms. A S Patil
		Cloud Computing	Database Management system	CO3G	
2	Sonali A MustareSynechisAquilam Solutions Pvt. Ltd. Pune	Awareness about IT Technologies	Operating system	CO5G	Ms. M G Mulge, Ms. A S Patil
			Programming Languages	CO3G	
3	Abhijeet A. More CYIN Solutions Pvt. Ltd. Pune	Internet Security	Software Testing and Security	CO6G	Ms. M G Mulge, Ms. R D Kasar
				CO4G	
4	Mr. Ganesh STEP- Software Technologies Excellence Program, Hyderabad - 500032	Thought Works	EDP	CO6G	Mr. S V Chavan, Mr. S V Kendre

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