

Electronics & Communication Engg.

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	200	198.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	100	100.00
4	STUDENTS' PERFORMANCE	200	141.84
5	FACULTY INFORMATION AND CONTRIBUTIONS	150	150.00
6	FACILITIES AND TECHNICAL SUPPORT	100	100.00
7	CONTINOUS IMPROVEMENT	75	75.00
8	STUDENT SUPPORT SYSTEMS	50	50.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	75	75.00
	Total	1000	940

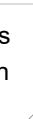
Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 50.00

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

Total Marks 5.00

Vision of the institute	To become Center of Excellence, providing quality technical education and training to make Self-reliant and responsible citizens.					
Mission of the institute	<ol style="list-style-type: none"> 1. To provide conducive environment for quality education. 2. To extend facilities and services for excellence in technical education. 					
Vision of the Department	To become accredited department for the development of quality technical education to women, which leads to their empowerment and to meet ever demanding needs of Electronics and Communication field, which can strengthen social economy and make responsible person.					
Mission of the Department	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Mission No.</th> <th style="text-align: left; padding: 5px;">Mission Statements</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 5px;">M1</td> <td style="padding: 5px;"> <p>M1. To impart quality technical education through outcome based curriculum and effective teaching Learning process.</p> <p>M2. To provide state of art infrastructure with sound technical environment to the</p> </td></tr> </tbody> </table>	Mission No.	Mission Statements	M1	<p>M1. To impart quality technical education through outcome based curriculum and effective teaching Learning process.</p> <p>M2. To provide state of art infrastructure with sound technical environment to the</p>	
Mission No.	Mission Statements					
M1	<p>M1. To impart quality technical education through outcome based curriculum and effective teaching Learning process.</p> <p>M2. To provide state of art infrastructure with sound technical environment to the</p>					

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

Total Marks 5.00

Institute Marks

5.00

PEO No.	Program Educational Objectives Statements
PEO1	<p>PROGRAM EDUCATIONAL OBJECTIVES (PEOs)</p> <p>The Program Educational Objectives (PEOs) support and are in consonance with the Vision & Mission of the Institution and the department. The attempt was to define PEOs as broad based, General statements that describe the career and professional accomplishments that the</p>

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

Total Marks 10.00

Institute Marks

10.00

Mission and Vision have been disseminated to all the stakeholders of the program through Faculty meeting, student awareness workshop & parent meet & alumni meet.

List of Stakeholders and their relevance to the Programme:

Sr.No.	Stakeholder	Relevance to the Programme
1.	Students	As the students are primary stakeholders, without them Programme has no existence. The curriculum, Teaching learning process, infrastructure, etc. are developed to make the students competent Engineers to play effective role in nation building.
2.	Faculty and Staff	Qualified, Experienced and competent faculty and skilled staff are the key for effectively delivering and disseminating knowledge and building skills.
3.	Parents	Parents suggestions are taken into consideration through parents meet and frequent interactions and best possible efforts are made to fulfill their expectations.
4.	Alumni	Alumni meets are conducted and suggestions are sought for refinement in the Programme and also alumni sessions are conducted for guiding the students.
5.	Management	Taking into consideration the suggestions, guidelines, norms and rules from other stakeholders, management plays vital role in deciding the policies and strategies to make the Programme effective.
6.	Recruiters	Recruiters get well developed human resource to contribute in successful running and growth of their organizations and their suggestions help in refinement and effective implementation of the Programme.
7.	Government	Taking into consideration economic, social and technical requirement, central and state government frame the policies to boost and incorporate quality standards in the Programme.
8.		Regulatory bodies

	i. AICTE	Apex approving and monitoring statutory authority which decides norms to build in and maintain quality of Programme.
	ii. DTE	Directorate of Technical Education (DTE) State level apex approving and monitoring authority which decides norms and standards of the admission process.
	iii. MSBTE	Maharashtra State Board of Technical Education (MSBTE) MSBTE is the affiliating authority that designs and executes courses, curriculum, examination structure and facilities faculty approval process.
9.	Other educational institutes	Other educational institutes help to strengthen the Programme by providing students, experts guest faculty and facilities as the case may be.
10.	Industry	Knowledge upgradation of student as well as faculty members by exposure through industrial visits, guest lectures and training.
11.	Society	Society is the ultimate beneficiary of the Programme.

Internal and External stakeholders:

Internal Stakeholders	External Stakeholders
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<ul style="list-style-type: none"> • Governing Council Members • Faculty members • Non-Teaching (Tech. and NonTech.) Staff • Students 	<ul style="list-style-type: none"> • Parents • Employers • Industry • Alumni
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Vision and Mission are made public by publishing them at following:

- Institute website: <http://www.grwpl.gov.in>
- Department News letter and Institute broacher.
- Displayed on the Departmental HOD Office, Faculty room and Faculty tables.
- Departmental magazine and Course files.
- Displayed on the Departmental Notice boards.
- Laboratories, Class room and Department Corridors.

Dissemination of vision and mission:

Vision,Mission and PEOs have been disseminated in a planned way by taking into account internal

And external stakeholders as shown in below .

Table No 1.1 Dissemination of vision and mission and PEOs

Sr.No.	Stakeholders	Medium of Dissemination
1	Industry/Employer	Website, Electronic media like Whatsapp,Instagram,facebook etc.

2	Alumni	Meeting, website, e-mail, Electronic media like Whatsapp,Instagram,facebook etc.
3	Parents	Meeting, website, e-mail, Electronic media like Whatsapp,Instagram,facebook etc.
4	Students	Meeting, website, Lab manual, department laboratories, class rooms, HOD cabin, Staff room, department Notice board, Department Corridors,whatsapp etc..
5	Governing body & Public	Meeting, website.

1.4 State the process for defining the Vission and Mission of the Department, and PEOs of the program (15)

Total Marks 15.00

Institute Marks

15.00

VISION AND MISSION PROCESS (10)

The department established the vision and mission through a consultative and Collaborative Process involving all stakeholders of the department.

Programme Assessment Committee (PAC) was constituted and SWOC analysis conducted to Ascertain department's Strengths, Weaknesses, Opportunities and Challenges. All internal Stakeholders including alumni were involved in SWOC analysis.

The mission and vision of the institute was thoroughly understood by the participants. Based on the institute Vision and Mission, the following stages were followed in the development of vision and mission of the programme.

Step 1:

Vision and Mission of the Institution are taken as basis.

Step 2:

Views are taken from stakeholders of the department such as students, faculty members, Parents, Employers, alumni and industrial experts.

Step 3:

The views about the vision and mission of the department are formulated by the Team of faculty members of the department and vision and mission statements are discussed further among all Electronics & Communication Engineering Faculty members before finalization.

Step 4:

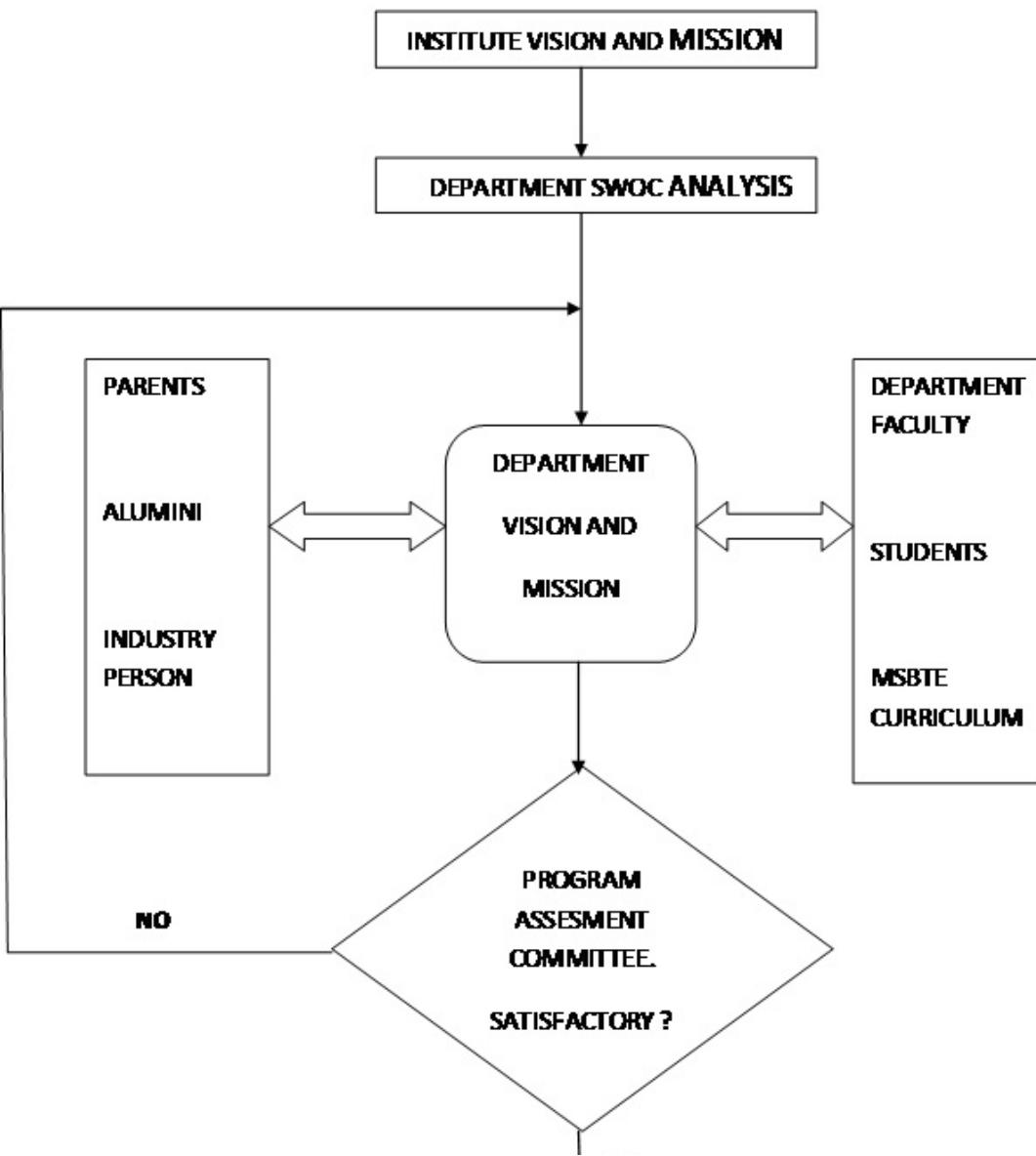
The vision and mission are analyzed and reviewed to check the consistency with the vision and mission of the department at the program level by

Program Assessment Committee (PAC).

Step 5:

Finally approved and published the vision and mission of the department.

Graphical presentation of the process for defining Department Vision and Mission is shown in Fig 1.1



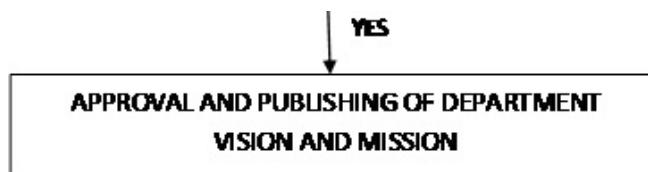


Fig 1.1 Process for defining the Vision and Mission of the department

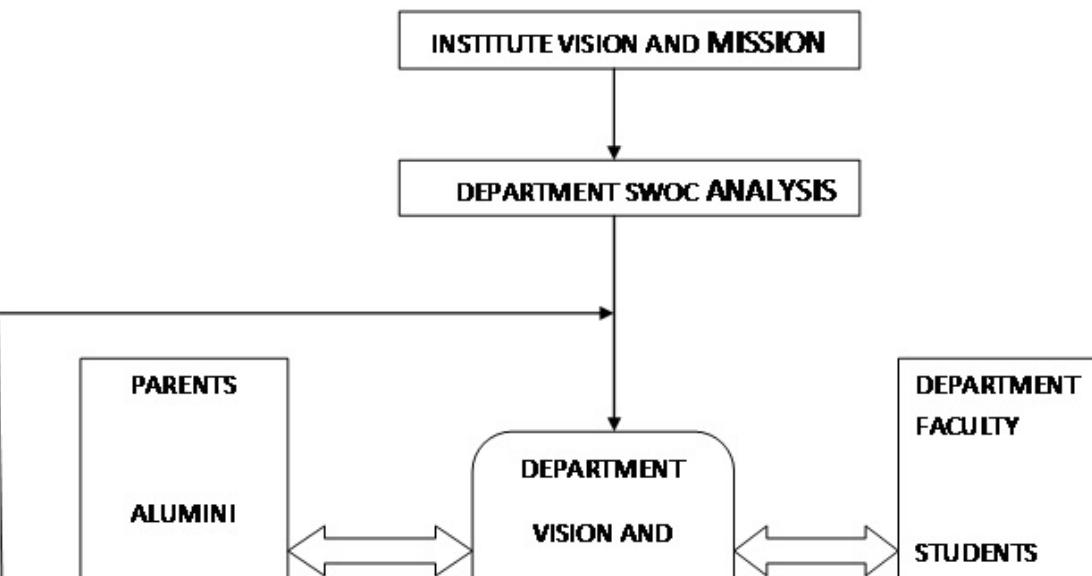
PROCESS INVOLVED IN DEFINING THE PEOs

The PEOs are developed in a participative mode with the alumni, industry, parents and faculty members by interaction.

Taking the above into consideration, the PEOs are established by the Core Committee of the department.

1. The PEOs are presented and discussed in the alumni and industry academic meet and their suggestions are obtained.
2. The PEOs are communicated to all the faculty members of the department and their feedback is obtained.
3. The PEOs are then put to the review and assessment committee of the department for final approval.

Graphical representation of the process for establishing the Programme Educational Objectives (PEOs) is shown in Fig 1.2



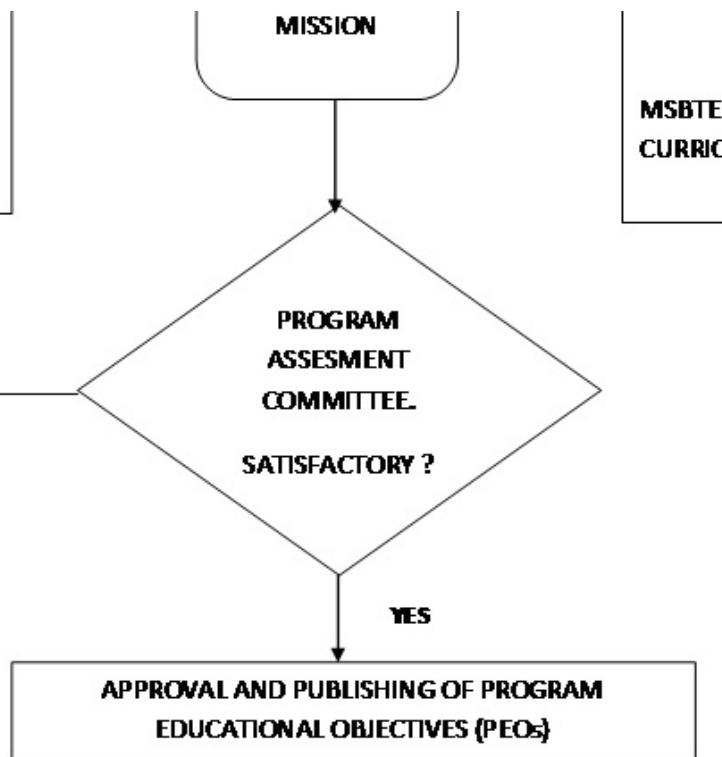


Fig 1.2 Process for defining the Program Educational Objectives (PEOs)

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

Total Marks 15.00

Institute Marks

15.00

PEO-Mission Mapping Matrix :

Correlation (Mapping) levels between PEO statements and Mission statements are as defined

Below in Table 1.3

1: Low

2: Medium

PEO Statement	M1	M2	M3	M4
PEO 1	3	2	1	1
PEO 2	2	2	3	2
PEO 3	1	-	2	1
PEO 4	2	2	2	2

Table 1.3 PEO-Mission Mapping Matrixes

Below Table 1.4 shows the mapping between PEO statements and Mission statements of the department with justification,

PEO Statement	M1 (To impart quality technical education through outcome based curriculum and effective teaching Learning process.)	M2 (To provide state of art infrastructure with sound technical environment to the students and Faculties Conducive to create excellence in technical education.)	M3 (To enhance relationship with industry, society and alumina.)	M4 (To develop skilled diploma engineer with technical expertise, professional attitude and ethical Values.)	Justification
	Justification				

					M1: Strongly supports PEO1 to implant a strong technical knowledge of basic concepts in Electronics and Communication Engineering which leads to acquiring skills for making valuable contribution to this field.
PEO 1: Apply the knowledge gained in theory and practical curricula along with implant industrial training to contribute in Electronics and communication and related areas for higher education.	3	2	1	2	M2: Moderately supports PEO1 to make valuable contributions by applying technical knowledge of changing needs in the field of Electronics and Communication. M3: Low level supports to PEO2 as Profound knowledge helps them to build professional relationship and helps them to work in society and group as good working member. M4: Moderately supports PEO1 as the knowledge acquired by the students with high level of technical expertise will help them to work in industries and society with professional attitude and ethical values.

PEO 2: Adapt to growing and changing technologies with software skills in the field of Electronics and Communication.	2	1	2	2	<p>M1: Moderately supports While converting ideas & concepts, software skills are much helpful while interfacing .</p> <p>M2: Low level support to PEO2 as New technology in the Industries requires software skills while learning new knowhow knowledge.</p> <p>M3: Moderately supports PEO2 as imparting Electronics Knowledge to fulfill Industrial and Societal needs will enable to achieve professional success in their work Environment.</p> <p>M4: Moderately supports PEO2 as skills are required for functioning effectively as an individual and as a member of a team.</p>	

					M1: Reasonably supports PEO3 to embed a strong technical knowledge of Electronics and Communication engineering for maintaining ethics in the professional career.
PEO 3: Demonstrate leadership, commitment and maintain ethics in professional career.	1	-	2	3	M3: Moderately supports PEO3 as skills are required to exhibit leadership qualities to enhance relationship and ethics in the professional career. M4: Strongly supports to achieve PEO3, as ethics are important to become successful in professional career of Information Technology

					PEO4: Engage in life-long learning for professional and social needs.
2	2	2	2		<p>M1: Moderately supports PEO4 as growing and changing needs of society needs value based technical education</p> <p>M2: Moderately supports as imparting Electronics and Communication Engineering Knowledge will help them to pursue lifelong learning.</p> <p>M3: Moderately supports as skills are required to exhibit leadership qualities to enhance relationship in the society and professionalArea.</p> <p>M4: Moderately supports as promoting students for serving Industry and Society with high technical expertise and ethical values will help them pursue lifelong learning through professional practice.</p>

PEO Statements	M1
PROGRAM EDUCATIONAL OBJECTIVES (PEOs) The Program Educational Objectives (PEOs) support and are in consonance with the Vision & Mission of the Institution and the department. The attempt was to define PEOs as broad based, General statements that describe the career and professional accomplishments that the Electronics And Communication engineering program is preparing for to provide engineers to Society and Industry who: PEO1: (Core competencies / higher studies) Apply the knowledge gained in theory and practical curricula along with implant industrial training to Contribute in Electronics and communication and related areas for higher education. PEO2: (Industry ready) Adapt to growing and changing technologies with software skills in the field of Electronics and Communication. PEO3: (Professionalism) Demonstrate leadership, commitment and maintain ethics in professional career. PEO4: (Lifelong Learning) Engage in life-long learning for professional and social needs.	--Select-- ▾

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (200)

Total Marks 198.00

2.1 Program Curriculum (40)

Total Marks 40.00

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)

Institute Marks

25.00

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

Institute Marks

15.00

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) helps the process to identify extent of compliance of curriculum for attaining POs & PSOs.

The process includes 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 curriculum , analysis of the present curriculum has been done through the questionnaire responded by concerned teachers.
2. The MSBTE conducted industry survey to find out role of diploma holder due to recent advertisements in technology and changing needs of industry and 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 faculty and under guidance of education consultants.

5. In order to develop the curriculum on sound principles of education the faculty is trained in different areas.

More than 90 laboratory manuals for Engineering and Technology courses and assignment book on Development of Life Skills course, such learning resource material have been developed systematically. Image no. 2.1.1.1 shows a schematic approach to curriculum development.

G scheme curriculum was revised in academic year 2017-2018 and I scheme outcome based curriculum was designed by MSBTE . CIAAN 2017 was designed for effective design, implementation and assessment of I scheme curriculum.

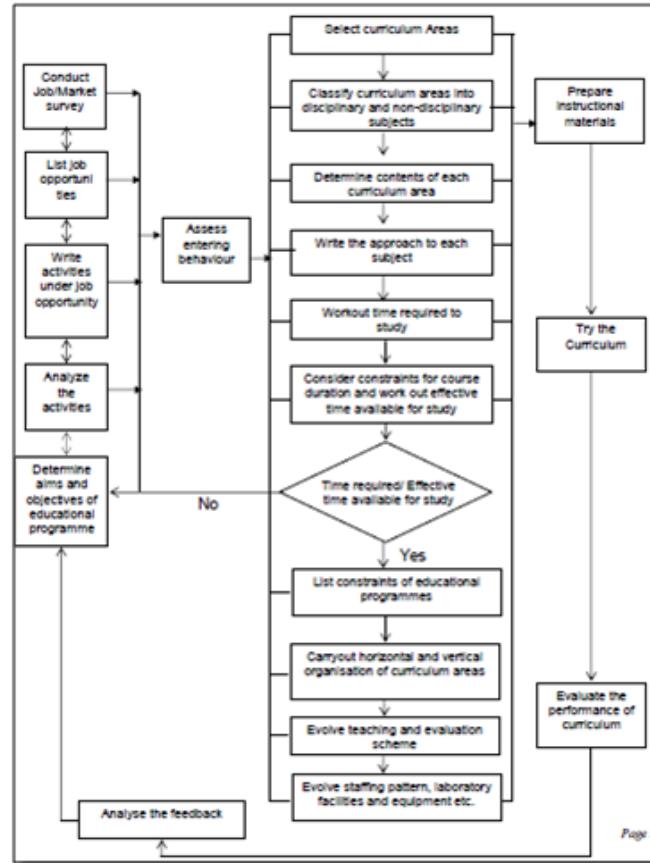


Image no. 2.1.1.1 Schematic Approach to Curriculum Development

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 are as follows.

1. State Level :

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

2. Institute Level :

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 :

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 prepare 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) - ICIU shall be set-up in every polytechnic. This unit will be 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 by the EAMC committee.
3. Internal Academic Monitoring Committee (IAMC) - The members of the ICIU will form the committee for internal monitoring. This committee is expected to follow the guidelines provided by academic committee through MSBTE and ensure its implementation for all the departments in the institute. Internal Monitoring is performed in even semester of the year before External Monitoring.

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 Academic Monitoring

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 Academic Monitoring

Following Table no. 2.1.1.3 shows grade awarded by MSBTE appointed EAMC to Electronics and Communication Engineering Department.

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

Table no. 2.1.1.3 Grade Awarded from EAMC to Electronics and Communication Engineering Department

Maharashtra State Board of Technical Education, Mumbai
Online Institute Monitoring Portal of MSBTE - 1st Monitoring 2019-20

>> Welcome to Online Institute Monitoring Portal of MSBTE 2019-20 <<

Dept Wise Performance for Academic Monitoring done in _s_17_18

Back to Home		Go Back	
Institute Code	0136	Go Back	
Institute Name	Govt. Residential Womens Polytechnic		
Institute Address	Govt. Residential Women's Polytechnic , Barihi Road, City: Latur , District:Latur Pin Code 413531		
Sr No.	Course Code	Course Name	Dept Rating
1	ET	Electronics & Communication Engg	Excellent
2	CE	Civil Engineering	Excellent
3	MU	Medical Electronics	Excellent
4	DD	Dress Designing & Garment Manufacturing	Very Good
5	CO	Computer Engineering	Very Good

Image no. 2.1.1.2 (a) Academic Year 2017-2018 Grade Awarded from EAMC to Electronics and Communication Engineering Department

The screenshot shows a mobile browser displaying the MSBTE monitoring portal. At the top, it says "8:49 AM" and "4G". The header includes the MSBTE logo and the text "Maharashtra State Board of Technical Education, Mumbai" and "Online Institute Monitoring Portal of MSBTE - 2nd Monitoring 2019-20". Below the header is a navigation bar with links for Home, News, Downloads, Regional, Contact, Log In, and Online Lab Manual Module. A sidebar on the left titled "MAIN MENU" contains links for "About MSBTE" and "FAQs". The main content area displays the "Dept Wise Performance for Institute Monitoring done in _s_19_20". It shows the following information:

Institute Code	0136		
Institute Name	Govt. Residential Womens Polytechnic		
Institute Address	Govt. Residential Women's Polytechnic, Barshi Road, City: Latur , District:Latur 413531 Pin Code 413531		
Sr No.	Course Code	Course Name	Dept Rating
1	ET	Electronics & Communication Engg	Excellent
2	CE	Civil Engineering	Excellent
3	MU	Medical Electronics	Very Good

Image no. 2.1.1.2 (b) Academic Year 2019-2020 Grade Awarded from EAMC to Electronics and Communication Engineering Department

MSBTE G scheme curriculum structure for Program Electronics and Communication Engineering (ET) have following six semester teaching schemes

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/MJ/DC/TC/TX																	
DURATION OF COURSE: 6 SEMESTERS for 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/TC/TX (8 SEMESTERS for CD / CV / ED / EI / FE / IU / MH / MJ)													WITH EFFECT FROM 2012 - 13				
SEMESTER : FIRST													DURATION : 16 WEEKS				
PATTERN : FULL TIME - SEMESTER																	
SR. NO	SUBJECT TITLE	Abbre- viation	SUB CODE	TEACHING SCHEME			EXAMINATION SCHEME										
				TH	TU	PR	PAPER HRS	TH (1)		PR (4)		OR (8)		TW (9)		SW (1700)	
1	English	ENG	17101	03	--	02	03	100	40	--	--	--	--	25@	10		
2 *	Basic Science	Physics	EPH	17102	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	--	--	--	
5	Computer Fundamentals	CMF	17002	01	--	04	--	--	--	--	--	50@*	20	--	--	25@	
	Basic Workshop Practice (Civil Group)	WPC	17003	--	--	04	--	--	--	--	--	--	--	--	--	50@	
	Basic Workshop Practice (Electrical Group)	WPE	17004	--	--	04	--	--	--	--	--	--	--	--	--	50@	
6	Basic Workshop Practice (Electronics Group)	WPX	17005	--	--	04	--	--	--	--	--	--	--	--	--	50@	
	Basic Workshop Practice (Mechanical & Chemical Group)	WPM	17006	--	--	04	--	--	--	--	--	--	--	--	--	50@	
	Basic Workshop Practice (Computer Group)	WPI	17007	--	--	04	--	--	--	--	--	--	--	--	--	50@	
				TOTAL	14	01	18	--	300	--	150	--	--	--	150	--	50

Image no. 2.1.1.3 Teaching Scheme for G Scheme First Semester (ET1G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES														
COURSE NAME : ELECTRONICS ENGINEERING GROUP														
COURSE CODE : EJ/EN/ET/EX/IS/IC/DE/IE/MU/IU/ED/EV														
DURATION OF COURSE : 6 SEMESTERS for EJ/EN/ET/EX/IS/IC/DE/IE/MU (8 SEMESTERS for IU/ED/EV)										WITH EFFECT FROM 2012-13				
SEMESTER : SECOND										DURATION : 16 WEEKS				
FULL TIME / PART TIME : FULL TIME														
SR. NO.	SUBJECT TITLE	Abbre- viation	SUB CODE	TEACHING SCHEME			PAPER HRS.	EXAMINATION SCHEME				SW (17200)		
				TH	TU	PR		TH (1)	PR (4)	OR (\$)	TW (9)			
1	Communication Skills \$	CMS	17201	02	--	02	03	100	40	--	--	25#	10	25@ 10
2*	Applied Science	Physics	APH	17210	02	02	02	50	100	40	25@	50	20	--
		Chemistry	ACH	17211	02	--	02	50	25@	--	--	--	--	--
3	Elements of Electronics	EEX	17215	04	--	04	03	100	40	50#	20	--	--	25@ 10
4	Engineering Mathematics \$	EMS	17216	03	01	--	03	100	40	--	--	--	--	--
5	Development of Life Skills \$	DLS	17010	01	--	02	--	--	--	--	--	25@	10	--
6	Electronic Workshop	EEW	17014	--	--	04	--	--	--	--	--	--	50@	20
				Total	14	01	16	--	400	--	100	--	50	--
														50

Student Contact Hours Per Week: 31 Hrs.
THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.
Total Marks : 700
@ - 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 subject are to be converted out of 50 marks as sessional work.
- Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms
- Code number for TH, PR, OR, TW and SW 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. 2.1.1.4 Teaching Scheme for G Scheme Second Semester (ET2G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI														
TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES														
COURSE NAME : ELECTRONICS ENGINEERING GROUP														
COURSE CODE : EJ/EN/ET/EX/IS/IC/DE/IE/MU/IU/ED/EI										WITH EFFECT FROM 2012-13				
DURATION OF COURSE : 6 SEMESTERS for EJ/EN/ET/EX/IS/IC/DE/IE/MU (8 SEMESTERS for IU/ED/EI)										DURATION : 16 WEEKS				
SEMESTER : THIRD										SCHEME : G				
FULL TIME / PART TIME : FULL TIME														
SR. NO.	SUBJECT TITLE	Abbre viation	SUB CODE	TEACHING SCHEME			EXAMINATION SCHEME						SW (17300)	
				PAPER HRS.	TH (1)	PR (4)	OR (8)	TW (9)	Max	Min	Max	Min		Max
1	Applied Mathematics \$	AMS	17301	03	--	--	03	100	40	--	--	--	--	--
2	Electronic Instruments & Measurements	EIM	17317	03	--	02	03	100	40	25#	10	--	25@	10
3	Electrical Engineering β	EEN	17318	03	--	02	03	100	40	--	--	--	25@	10
4	Electronics Devices and Circuits β	EDC	17319	04	--	04	03	100	40	25#	10	--	25@	10
5	Principles of Digital Techniques β	PDT	17320	03	--	02	03	100	40	25#	10	--	25@	10
6	Programming in C β	PIC	17020	01	--	02	--	--	--	--	--	--	25@	10
7	Professional Practices-I β	PPO	17021	--	--	03	--	--	--	--	--	--	50@	20
		Total		17	--	15	--	500	--	75	--	--	175	--
Total													50	
Student Contact Hours Per Week: 32 Hrs.														
THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.														
Total Marks : 800														
@ - Internal Assessment, # - External Assessment, █ No Theory Examination, \$ - Common to all branches, β - Common to EV														
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 subject are 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, TW and SW 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 Third Semester (ET3G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES													
COURSE NAME : ELECTRONICS ENGINEERING GROUP													
COURSE CODE : EJ/ET/EX/EN/ED/EI													
DURATION OF COURSE : 6 SEMESTERS for ET/EN/EX/EJ and 8 SEMESTERS for ED/EI										WITH EFFECT FROM 2012-13			
SEMESTER : FOURTH										DURATION : 16 WEEKS			
FULL TIME / PART TIME : FULL TIME													
SR. NO.	SUBJECT TITLE	Abbreviation	SUB CODE	TEACHING SCHEME			EXAMINATION SCHEME						SW (17400)
				TH	TU	PR	PAPER HRS.	TH (1) Max	TH (1) Min	PR (4) Max	PR (4) Min	OR (8) Max	
1	Environmental Studies \$	EST	17401	01	--	02	01	50#*	20	--	--	--	25@] 10
2	Industrial Measurements β	IME	17434	03	--	02	03	100	40	--	--	--	25@] 10
3	Analog Communication	ACO	17440	03	--	02	03	100	40	25#	10	--	25@] 10
4	Power Electronics	PEL	17444	03	--	02	03	100	40	25#	10	--	25@] 10
5	Linear Integrated Circuits β	LIC	17445	04	--	02	03	100	40	50#	20	--	25@] 10
6	Visual Basic β	VBA	17043	01	--	02	--	--	--	--	--	--	25@] 10
7	Professional Practices-II β	PPT	17044	--	--	03	--	--	--	--	--	--	50@] 20
				TOTAL	15	--	15	--	450	--	100	--	--
													50

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

Student Contact Hours Per Week: 30 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks : 800

@ - Internal Assessment, # - External Assessment, \$ - Common to all branches, #- Online Theory Examination, β - Common to DE / EV / MU

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. 2.1.1.6 Teaching Scheme for G Scheme Fourth Semester (ET4G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																						
COURSE NAME : ELECTRONICS ENGINEERING GROUP																						
COURSE CODE : EJ/ET/EX/EN/ED/EI/DE																						
DURATION OF COURSE : 6 SEMESTERS for ET/EN/EX/EJ/DE and 8 SEMESTERS for ED/EI										WITH EFFECT FROM 2012-13												
SEMESTER : FIFTH										DURATION : 16 WEEKS												
FULL TIME / PART TIME : FULL TIME																						
SCHEME : G																						
SR. NO.	SUBJECT TITLE	Abbrevi ation	SUB CODE	TEACHING SCHEME			PAPER HRS.	EXAMINATION SCHEME						SW (1750)								
				TH	TU	PR		TH (1)		PR (4)		OR (8)			TW (9)							
								Max	Min	Max	Min	Max	Min		Max	Min						
								1	Computer Hardware & Networking	CHN	17533	02	--		02	02	50	20	--	--	--	25@ 10
								2	Microcontroller	MIC	17534	03	--		02	03	100	40	50#	20	--	25@ 10
								3	Digital Communication	DCO	17535	03	--		02	03	100	40	50#	20	--	25@ 10
								4	Control System & PLC	CSP	17536	03	--		02	03	100	40	50#	20	--	25@ 10
								5	Audio Video Engineering	AVE	17537	03	--		02	03	100	40	--	--	--	25@ 10
								6	Behavioural Science	BSC	17075	01	--		02	--	--	--	--	25#	10	25@ 10
7	EDP & Project	EDP	17066	01	--	02	--	--	--	--	--	--	25@ 10									
8	Professional Practices - III / Industrial Training (Optional)**	PPT	17067	--	--	03	--	--	--	--	--	--	50@ 20									
				TOTAL	16	--	17	--	450	--	150	--	25	--	225	--	50					

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 Theory Examination.

β - Common to IE / IS / IC / EV / IU / MU

** 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. 2.1.1.7 Teaching Scheme for G Scheme Fifth Semester (ET5G)

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI																	
TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES																	
COURSE NAME : ELECTRONICS ENGINEERING GROUP																	
COURSE CODE : EJ/ET/EX/EN/ED/EI										WITH EFFECT FROM 2012-13							
DURATION OF COURSE : 6 SEMESTERS for ET/EN/EX/EJ and 8 SEMESTERS for ED/EI										DURATION : 16 WEEKS							
SEMESTER : SIXTH																	
FULL TIME / PART TIME : FULL TIME																	
SR. NO	SUBJECT TITLE		Abbrevi ation	SUB CODE	TEACHING SCHEME			EXAMINATION SCHEME									
	TH	TU			PAPER HRS.	TH (1)		PR (4)	OR (8)	TW (9)		SW (17600)					
1	Management	\$	MAN	17601	03	--	--	18&½	50*	20	--	--	--	--	--		
2	Advanced Communication Systems	ACS	17656	04	--	02	03	100	40	25*	10	--	--	25@	10		
3	Mobile Communication	MCO	17657	03	--	02	03	100	40	--	--	--	--	25@	10		
4	Embedded System	ESY	17658	03	--	02	03	100	40	50*	20	--	--	25@	10		
5	Elective (Any One)																
	Very Large Scale Integration	VLS	17659	03	--	02	03	100	40	--	--	--	--	25@	10		
	Mechatronics	MEC	17660	03	--	02	03	100	40	--	--	--	--	25@	10		
6	Simulation Software	SSO	17807	--	--	02	--	--	--	--	--	--	--	25@	10		
7	Industrial Project	PRO	17808	--	--	04	--	--	--	--	50*	20	50@	20			
	Total				16	--	14	--	450	--	75	--	50	--	175	--	50
Student Contact Hours Per Week: 30 Hrs.																	
THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.																	
Total Marks : 800																	
@-Internal Assessment, #-External Assessment, [REDACTED] No Theory Examination, \$-Common to all branches, *#*-Online Theory Examination,																	
β - Common to IE / IS / IC / DE / EV / IU / MU																	
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. 2.1.1.8 Teaching Scheme for G Scheme Sixth Semester (ET6G)

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	7	33	300	150	00	150	50	650
Second	14	01	16	7	31	400	100	50	100	50	700
Third	17	--	15	7	32	500	75	--	175	50	800
Fourth	15	--	**15	7	30	450	100	--	200	50	800
Fifth	16	--	**17	8	33	450	150	25	225	50	900
Sixth	16	--	*14	8	30	450	75	50	50	175	800
Total	92	2	95	44	189	2550	650	125	900	425	4650

Table no. 2.1.1.4 Summery Table

Six semester teaching schemes of program Electronics and Communication Engineering can be summarised as shown in Table no. 2.1.1.4

Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, ,OR-Oral, TW- Term Work, SW- Sessional Work. Theory and practical periods are of 60 minutes each

** 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

*Mechatronics and Very Large Scale Integration are elective courses offered and VLSI subject was chosen by students.

Program G Scheme Curriculum Structure

G Scheme curriculum design covered major points these are mentioned as follows

1. Rational
2. General Objectives
3. Learning Structure
4. Topic Name
5. Specific Objectives
6. Contents
7. Hours and Marks
8. Practicals

- i. Skills to be Developed
 - a. Intellectual Skills
 - b. Motor Skills
 - c. Affective Domain Skills

- ii. List of Practicals
 - iii. Optional Practicals

9. Learning Resources

- i. Books
- ii. Websites

10. List of Laboratory Equipments

11. List of Assignments

12. Industrial Visits

Other than program specific following courses are included in G scheme

1. Behavioural Science
2. Enterpreneur Developement and Project
3. Professional Practice
4. Management
5. Elective Courses

Program Objectives (POs) and Program Specific Objectives (PSOs)

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 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	Electronics And Communication Systems: Maintain various types of Electronics and Communication Systems.
PSO2	EDA Tools Usage: Use EDA tools to develop simple Electronics and Communication Engineering related circuits.

Table no. 2.1.1.5 Description of POs and PSOs

G scheme curriculum courses are grouped as per course components. Table no 2.1.1.6 shows the mapping of courses with POs and PSOs.

Sr. No.	Course Component	Name of Courses	POs	PSOs

1	Science, Humanities and Basic Engineering	English(C101G), Basic Science-Chemistry (C102G), Basic Science-Physics (C102G), Basic Mathematics (C103G), Engineering Graphics(C104G) Computer Fundamental (C105G), Basic Workshop Practice(C106G), Applied Science-Physics (C108G), Applied Science-Chemistry (C108G), Engineering Mathematics (C110G), Applied mathematics (C201G), Electrical Engineering(C203G)	PO1,PO2,PO3,PO4,PO6,PO7	PSO1
2	Core Technology	Elements of Electronics(C109G), Electronic Workshop(C112G), Electronic Instrumentation & Measurement (C202G), Electronic Devices & Circuits (C204G), Principles of Digital Techniques (C205G), Analog Communication(C210G)	PO1,PO2,PO3,PO4,PO6,PO7	PSO1
3	Applied Engineering	Power Electronics(C211G), Liner Integrated Circuits(C212G), Industrial Measurements (C209G), Computer Hardware & Networking (C301G), Microcontroller(C302G), Digital Communication(C303G), Control Systems & PLC(C304G), Audio /Video engineering (C305G), Advanced Communication System (C310G), Mobile Communication(C311G), Embedded Systems(C312G)	PO1,PO2,PO3,PO4,PO6,PO7	PSO1, PSO2

4	Environment and Social Engineering	Communication Skills (C107G) Development of Life skills(C111G) Professional Practice-I (C207G) Environmental Studies (C208G) Professional Practice-II (C214G) Behavioral Science (C306G) Professional Practice-III (C308G) Management (C309G)	PO5,PO6,PO7 -----	
5	Diversified Technolohy	VLSI(C313G) Mechatronics(C314G) Entrepreneurship Development & Project(C307G) Industrial Project (C316G)	PO1,PO2,PO3,PO4,PO6,PO7	PSO1 PSO2
6	Programming Engineering	Simulation Software(C315G) Visual Basic(C213G) Programming in C(C206G)	PO1,PO2,PO3,PO4,PO6,PO7	PSO1 PSO2

Table no. 2.1.1.6 G Scheme Courses Mapping With POs and PSOs

Phase III- Students Assessment

Students assessment is performed by using CIAAN 2011 Proformas on following parameters.

1. As per academic calendar and examination scheme two progressive tests of 25 marks are conducted for every course . All courses progressive test marks are added and converted to 50 marks filled in Proforma D6 and sent to MSBTE.
2. Term work marks given by subject teacher for each experiment on continuous assessment (PA) are added and converted to final marks 25/50 , also skill test marks shall be filled in Proforma D4 as per teaching examination scheme and sent to MSBTE.
3. Practical work is assessed by internal and external examiner during term end examination as per examination scheme.
 - a. External assessment of Practical / Oral (Viva-Voce) / Online /Project Examination marks are divided in two components. The first component has 30 marks of practical skill test (PST) conducted by the subject teacher and the second component has 70 marks based on actual performance in the practical or oral examination. Total 100 marks filled in Proforma D5 are converted to 25/50 marks as per Teaching Examination Scheme and sent to MSBTE.
 - b. Internal assessment of Practical / Oral (Viva-Voce) Examination marks are divided in three components. The first component has marks of Progressive Assessment (PA) from D4 out of (20), second component has marks out of 30 obtained in skill test conducted by the subject teacher and the third component has 70 marks based on actual performance in the practical or oral examination. Total 100 marks are filled in Proforma D5 converted to 25/50 marks as per Teaching Examination Scheme and sent to MSBTE.
4. 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)

Institute Marks

10.00

While implementing curriculum some gap is observed during teaching learning of courses in content as well as during CO-PO-PSO mapping by teaching faculty . Therefore curriculum is revised time to time by including feedback from all the stakeholders like course experts, industry persons. These feed backs help to find curriculum gap. Also the faculty teaching a course observed POs and PSOs with less weight-age or no weight-age achieved in attainment. For this purpose attainment achieved through activities like industrial visits, industry experts lectures, workshops and supporting co-curricular activities. Following Table no. 2.1.1.7 shows gaps identified, measures taken for attainment to fulfill the gap and POs, PSOs are attained.

Gap. No.	Curriculum Gap Identified	Measures Taken	Related POs & PSOs Attainment
Gap 1	To develop basic entry level concept knowledge course wise in the students	Teaching faculty delivers introductory lectures to clear the basic concepts in a unit or in between units of a course to achieve attainment	PO1,PO2,PO3,PO7,PSO1
Gap 2	Being Women's institute women empowerment is done in areas like social, health, professional	Conducted health camp, expert session, personality development program etc	PO5
Gap 3	Awareness to upgraded technology and new teaching-learning techniques	Organized technical workshops, academic expert lectures for students	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2

Table no. 2.1.1.7 Gaps Identified, Measures Taken to Fill the Gaps and POs, PSOs Attainment Achieved

A. Steps taken to get identified gaps included in the curriculum (eg. letters to Board) (2)

Institute Marks

2.00

Curriculum revision activity is conducted by MSBTE. During revision, course experts are appointed by MSBTE to find the gap between different levels of course and design curriculum suitable to attain COs, POs and PSOs. MSBTE organises teacher guidance workshops with the help of curriculum design resource persons. Following faculty members from our institute contributed for G and I scheme curriculum design and revision process at MSBTE level as shown in Table no. 2.1.2.1

Sr. No.	Name of faculty	Program	Nature of work
1	Dr. A. M. Agarkar (Principal)	Medical Electronics Engineering	I - scheme curriculum design and revision
2	Dr. K. M. Bakwad (Selection Grade lecturer)	Electronics and Communication Engineering	I - scheme curriculum design and revision
3	Mrs. S. A. Hartalkar (Lecturer)	Medical Electronics Engineering	I and G-scheme curriculum design and revision

Table no. 2.1.2.1**B. Delivery details of content beyond syllabus (10)**

Institute Marks

10.00

Everyday it is difficult for students to cope up with the industry requirements due to frequent change in technology. The contents beyond syllabus such as technical updates, skills, professional ethics and etiquettes are inculcated in students by conducting co-curricular activities like expert lecture, industrial visits, technical workshops, personality development programs, etc. to fill the gap of content beyond the syllabus. Institute as well as department had planned and conducted such activities during years CAY(2019-2020), CAYm1(2018-2019), CAYm2(2017-2018). Following tables show details of activities conducted.

Sr. No.	Activity Conducted	Date/Duration	Resource Person and Designation	No. of Students Present
1	Health Camp	05/03/2020	Shreyas Rotary Club (a team of Doctors), Latur	500
2	International Karate : Phase-II	08/02/2020 to 17/02/2020	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association, Branch: Latur	73
3	MCM, Womens Health Awareness program (with a focus on Diseases)	15/02/2020	Dr.Shilpa Tadurwar, Suman Industries Pvt. Ltd. MIDC, Latur	550
4	Speech Competition on Topic "Electoral Literacy and Awareness Program"	10/02/2020	Collector Office Team in association with Nodal Officer and team, GRWPL Latur	07
5	Essay Writing Competition on Topic "Electoral Literacy and Awareness Program"	07/02/2020	Collector Office Team in association with Nodal Officer and team, GRWPL Latur	10
6	Expert Lecture on "Recent Advances in Electronics Engineering"	03/02/2020	Dr. S.S.Kanade, HOD Electronics Dept. G.P. Osmanabad.	55
7	Yoga Shibir	28/01/2020 to 01/02/2020	Vaishali Renapure, Sunita Kadam, Deshpande Bhargavi (Yog Shishak Padvika Abhyas Kendra-8462-A) University Nashik	31
8	Women Empowerment program	06/01/2020	Smt.Wadkar Madam and Dandime Madam Police Station Babhalgaon,Latur	600

9	Two days workshop on "Internet of Things"	6/01/2020 to 7/01/2020	Coducted by GRWP Latur in association with IIT, Bombay	113
10	Orientation Program in Emerging Trends in Electronics	04/01/2020	MSBTE experts	42
11	International Karate : Phase-I	13/12/2019 to 23/12/2019	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association, Branch: Latur	101
12	Student Solar Ambassador workshop	02/10/2019	GRWP,Latur in association with GGSY-SSA IIT, Bombay	49
13	Expert Lecture on "Optical Fiber Cable Installation and Maintenance"	18/09/2019	Mr. Mahesh A. Chakote, Junior Telcom Officer,WTR,Bharat Sanchar Nigam Limited,Latur	87
14	Workshop on "Advance Communication Techniques"	14/09/2019 to 16/09/2019	Dr. A.S. Vibhute,HOD, Mr.M.S.Mathapati, Mr.H.K.Bhaldar, Mr.S.S.Kadam Asst. Professor, Electronics and Telecomm. Engg. Dept. SVERI COE, Pandharpur	46
15	Expert Lecture on "Industry 4.0"	15/09/2019	Dr. Anup Vibhute, SVERI,COE, Pandharpur	46
16	MCM , Womens Health Awareness program (with a focus on daily Diet)	08/09/2019	Dr.Shilpa Tadurwar, Suman Industries Pvt. Ltd. MIDC, Latur	530

Table no. 2.1.2.2 Activities Conducted in CAY 2019-2020

CAYm1: 2018-2019

Sr. No.	Activity Conducted	Date/Duration	Resource Person and Designation	No. of Students Present
1	Expert lecture on "Optical Fiber Communication"	31/01/2019	Mrs. J.S.Hatte, Assistant Professor, M.S.Bidve Engg. College, Latur	42
2	Two days Workshop on "Advance Communication System"	29/01/2019 to 30/01/2019	Prof. Mahesh S. Mathapati, Prof. H.K.Bhaldar, Prof. V.S.Bhonge, Asst. Professor, SVERI's COE, Pandharpur	69
3	Arduino Tutorial and Video Lecture	31/12/2018	Conducted at GRWPL in association with IIT Bombay	50
4	Expert lecture on "Need of Inplant Training"	06/10/2018	Mr. Aniket B Deshmukh, Training Engineer, IGTR , Aurangabad.	73
5	Expert lecture on "Use of Pspice Software"	28/09/2018	Mrs. S.S. Gaikwad Lecturer, Puranmal Lahoti Govt. Poly. Latur	83

6	Expert lecture on "Digital Image Processing"	28/09/2018	Mrs. Swati S. Shetkar Assistant Professor, M.S.Bidve Engg. College, Latur	68
7	One day Workshop on "Pranayam and Yoga"	07/09/2018	Mr. Mundhe Vankat B. Yoga Teacher,Patanjali Yog Peeth, Latur	400
8	Expert lecture on "Logical Thinking"	26/07/2018	Mrs. V.B. Swami Director, Orienge Software Pvt. Ltd, Latur	285
9	Expert lecture on "Motivation and Time Management"	05/07/2018	Mr. R.A.Kulkarni, Lecturer in Mechanical Engg. Govt. Resi. Women's Polytechnic,Tasgaon	200
10	Women Empowerment program	07/01/2019	Shri. P.M. Makode,Police Inspector, Smt. U.R. Diwan, Police Inspector,Police Training Center, Babhalgaon,Latur	700

Table no. 2.1.2.3 Activities Conducted in CAYm1 2018-2019

CAY m2 : 2017-2018

Sr. No.	Activity Conducted	Date/Duration	Resource Person and Designation	No. of Students Present
1	Rangoli and Poster Competition (On the occasion of Womens Day)	07/03/2018	Collector Office Team in association with Nodal Officer and team, GRWPL Latur	60

2	Program on Career Opportunities	23/02/2018	Dr.S.G.Kahalekar, Professor, S.G.G.S. Institute Of Engineering And Technology, Nanded	107
3	Expert lecture on "Artificial Neural Network"	01/02/2018	Dr. K.M. Bakwad, HOD Electronics Engg. Dept. and I/C Principal, P.L.G.P,Latur.	105
4	Two days full time workshop on Arduino Microcontroller	23/01/2018 to 24/01/2018	Prof. S.N.Dhotre, Prof. D.D.Pujari , Prof. H.K.Bhaldar, Prof. M.S.Matpati , Prof. H.K.Bhaldar , Prof. A. Birajdar, SVERI,COE,Pandharpur	56
5	Expert lecture on " Career Planning Program "	20/01/2018	Mr.Devichand Kataria , Carrier Consultant, Seed Management Services Pvt. Ltd, Pune	103
6	Energy Conservation Training Program	25/09/2017	Mr. Kedar Khamitkar, MSECB,LATUR	194
7	Communication Skills Developement program	06/09/2017	Mr. Sacchinand Dhage and Shri Vivekanand Dhage	104
8	Expert lecture on "Economics in Day Today Life"	05/08/2017	Dr.S.S. Kondekar Asst. Prof.,School of Economics, at SRTMU, Extension Centre, Latur	114

Table no. 2.1.2.4 Activities Conducted in CAYm2 2017-2018

Following images show the activities organized for students to cover content beyond syllabus.



Image no. 2.1.2.1 Karate Training to Students



Image no 2.1.2.2 Rangoli Competiton



Image no. 2.1.2.3 Health Camp



Image no. 2.1.2.4 Expert Lecture

C. Mapping of content beyond syllabus with the POs & PSOs (3)	Institute Marks
	3.00

2019-20

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Gap1	Delivered the t	02/01/2020	Mrs. A.S. Agarkar, Lecturer	Oral Deliberation with chalk	45	PO1,PO3,PO7
2	Gap1	Delivered the t	03/08/2019	Mrs.S.H.Chincholkar, Lectu	Oral Deliberation with chalk	40	PO1,PO2,PO3
3	Gap2	Health Camp	05/03/2020	Shreyas Rotary Club Docto	Health check up, Medical in	500	PO5
4	Gap2	MCM Women's	15/02/2020	Dr.Shilpa Tadurwar, Suman	Oral deliberation	550	PO5
5	Gap2	International K	08/02/2020	Shri.Datta Kadam,Pravin K	Karate Demonstration and -	73	PO5
6	Gap2	Speech Compe	10/02/2020	Nodal Officer and team, GR	Speech Delivery	07	PO5
7	Gap2	Essay Writting (07/02/2020	Nodal Officer and team, GR	Essay Writting	10	PO5
8	Gap3	Expert Lecture	03/02/2020	Dr. S.S.Kanade, HOD Elect	Oral deliberation with Chalk	55	PO1,PO2,PO3
9	Gap2	Yoga Shibir	28/01/2020	Vaishali Renapure, Sunita k	Yoga Demonstration, Trainii	31	PO5
10	Gap2	Women Empov	06/01/2020	Smt.Wadkar Madam and D	Oral Deliberation	600	PO5
11	Gap3	Orientation Prc	04/01/2020	MSBTE experts	Video Lecture	42	PO1,PO2,PO3
12	Gap2	International K	13/12/2019	Shri.Datta Kadam, Pravin k	Karate Demonstration and -	101	PO5
13	Gap3	Student Solar /	02/10/2019	GRWP,Latur in association	Hand on assembly, Testing,	49	PO1,PO2,PO3
14	Gap3	Expert Lecture	18/09/2019	Mr. Mahesh A. Chakote Ju	PPT with Oral Deliberation	87	PO1,PO2,PO3
15	Gap3	Workshop on A	14/09/2019	Dr. A.S. Vibhute,HOD, Mr.M	Oral Deliberation with PPT :	46	PO1,PO2,PO3
16	Gap2	MCM Women's	08/09/2019	Dr.Shilpa Tadurwar, Suman	Oral Deliberation	530	PO5
17	Gap3	Expert lecture (15/09/2019	Dr. Anup Vibhute, SVERI, C	Oral Deliberation with PPT	46	PO1,PO7,PSO
18	Gap1	Delivered the tl	12/12/2019	Dr. S.D.Yardi Lecturer, Elec	Oral deliberation with chalk	14	PO1,PO2,PO3

2018-19

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Gap 1	Delivered theor	03/01/2019	Mrs. S.A.Agarkar, Lecturer,	Oral Deliberation with chalk	73	PO1,PO3,PO7
2	Gap1	Delivered theor	01/08/2018	Mrs.S.H.Chincholkar, Lectu	Oral Deliberation with chalk	68	PO1,PO2,PO3
3	Gap3	Expert lecture c	31/01/2019	Mrs. J.S.Hatte, Assistant Pr	Oral deliberation with PPT	42	PO1,PO2,PO3
4	Gap3	Two days Work	29/01/2019	Prof. Mahesh S. Mathapati	Oral deliberation with PPT &	69	PO1,PO2,PO3
5	Gap3	Arduino Tutoria	31/12/2018	Conducted by IIT Bombay	Video Lecture	50	PO1,PO2,PO3
6	Gap3	Expert lecture c	06/10/2018	Mr. Aniket B Deshmukh, Tr	Oral deliberation with Chalk	73	PO6,PO7
7	Gap 3	Expert lecture c	28/09/2018	Mrs. S.S. Gaikwad Lecturer	Software demostration,Oral	83	PO1,PO2,PO3
8	Gap 3	Expert lecture c	28/09/2018	Mrs. Swati S. Shetkar As	Oral deliberation with PPT	68	PO1,PO2,PO3
9	Gap2	International Ki	20/09/2018	Shri.Datta Kadam, Pravin k	Karate Demonstration and -	350	PO5
10	Gap2	"Pranayam anc	07/09/2018	Mr. Mundhe Vankat B.	Pranayam and Yoga Demor	400	PO5
11	Gap2	Expert lecture c	26/07/2018	Mrs. V.B. Swami , Director,	Oral deliberation with PPT,c	285	PO1,PO2,PO3
12	Gap2	Expert lecture c	05/07/2018	Mr. R.A.Kulkarni, Lecturer i	Oral deliberation	200	PO5,PO6,PO7
13	Gap2	Women's Emp	07/01/2019	Shri. P.M.Makode, P. I., Smi	Oral deliberation	700	PO5
14	Gap1	Delivered theor	28/06/2018	Dr. S.D.Yardi Lecturer, Elec	Oral deliberation with chalk	57	PO1,PO2,PO3
15	Gap1	Delivered theor	11/12/2018	Dr. S.D.Yardi Lecturer, Elec	Oral deliberation with chalk	10	PO1,PO2,PO3

2017-18

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Gap 1	Delivered theor	04/01/2018	Mrs. S.A.Agarkar, Lecturer,	Oral Deliberation with chalk	63	PO1,PO2,PO3
2	Gap1	Delivered theor	18/08/2017	Mrs.S.H.Chincholkar, Lectu	Oral Deliberation with chalk	63	PO1,PO2,PO3
3	Gap2	On the occasio	07/03/2018	Collector Office Team, Latui	Ragoli messages,Posters	60	PO5
4	Gap2	Programme on	23/02/2018	Dr.S.G.Kahalekar, Professo	Oral deliberation with PPT	107	PO5
5	Gap3	Expert lecture o	01/02/2018	Dr. K.M. Bakwad, HOD Elec	Oral deliberation with PPT	105	PO1,PO2,PO3
6	Gap3	Two days work	23/01/2018	Prof. Ms.A. Birajdar, Pro	Oral deliberation with PPT	56	PO1,PO2,PO3
7	Gap2	Career Plannin	20/01/2018	Mr.Devichand Kataria Carri	Oral deliberation with PPT	103	PO5
8	Gap2	Health Camp	05/01/2018	Shreyas Rotary Club , team	Medical check up,Patholog	500	PO5
9	Gap2	Energy Conser	25/09/2017	Mr. Kedar Khamitkar, MSEC	Oral deliberation	194	PO5
10	Gap2	Communication	06/09/2017	Mr. Sacchinand Dhage and	Oral deliberation with PPT	104	PO5
11	Gap2	Expert lecture o	05/08/2017	Dr.S.S. Kondekar Asst. P	Oral deliberation with PPT, i	114	PO1,PO2,PO3
12	Gap2	Yoga Shibir	01/08/2017	Mr. Vyankat Shinde,Executi	Yoga demonstrations and T	40	PO5

2.2 Teaching - Learning Process (160)

Total Marks 158.00

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

Institute Marks

25.00

A. Adherence to Academic Calendar (3)

Institute Marks

3.00

Academic calendar is designed by MSBTE every year and online published as per Image no. 2.2.1.1. All the activities in the institute and the department are planned and conducted by following the MSBTE academic calendar very effectively.



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

(Autonomous) (ISO:IEC 27001 : 2009) (ISO 9001 : 2008)
Govt. Poly. Bldg., 4th floor, 49, Kherwadi, Bandra (East), Mumbai - 400 051.
Tel.: 022-26471225
Web: www.mstbe.org

Fax: 022-26475217/026473980
Email: sचाचर्यी@msbte.com

No. MSETU/D-45/Academic Calendar/2017/2018

Academic Calendar 2017-18 Date: 04.05.2017

Sr. No.	Activities	Odd semester except First semester Period		Even Semester Period		Yearly pattern except First year Period		Yearly pattern First year Period	
		First Semester	Even Semester	Period	Period	Period	Period	Period	Period
1.	First Term	June 19 to October 14, 2017	*July 17 to October 24, 2017	—	June 19 to October 14, 2017	*July 17 to October 24, 2017	—	September 2017, First week	September 2017, First week
2.	Final Class Test	August 09 to 11, 2017	August 30 to Sept 01, 2017	—	October 5 to 7, 2017	October 5 to 7, 2017	—	September 2017, Third week	September 2017, Third week
3.	Second Class Test	October 11 to 13, 2017	October 25 to 27, 2017	—	—	—	—	October 2017, Last week	October 2017, Last week
4.	Winter Break	October 18 to 22, 2017	October 18 to 22, 2017	—	October 18-22, 2017	October 18-22, 2017	—	February 2018, First week	February 2018, First week
5.	Second Term	—	—	December 11 to March 24, 2018	October 23 to March 24, 2018	October 23 to March 24, 2018	—	February 2018, Third week	February 2018, Third week
6.	Final Class Test	—	—	February 07 to 09, 2018	II Test January 10 to 12, 2018	II Test January 10 to 12, 2018	—	March 03, 2018	March 03, 2018
7.	Second Class Test	—	—	March 20 to 22, 2018	III Test March 20 to 22, 2018	III Test March 20 to 22, 2018	—	May 2018, First week	May 2018, First week

* Commencement of term is immediately after the conclusion of second round of CAP.

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Online Academic Monitoring Schedule

Sr. No.	Activities	Odd semester except First semester Period		First Semester Period		Even Semester Period		Yearly Pattern except First year Period		Yearly pattern First year Period	
		First semester	Period	Period	Period	Period	Period	Period	Period	Period	Period
1.	First Internal	September 2017, First week	September 2017, First week	—	September 2017, First week	September 2017, First week	—	September 2017, First week	September 2017, First week	September 2017, First week	September 2017, First week
2.	First External Academic Committee visit & submission of report	September 2017, Third week	September 2017, Third week	—	September 2017, Third week	September 2017, Third week	—	September 2017, Third week	September 2017, Third week	September 2017, Third week	September 2017, Third week
3.	Online confirmation by Regional Review Committee	October 03, 2017	October 03, 2017	—	October 03, 2017	October 03, 2017	—	October 03, 2017	October 03, 2017	October 03, 2017	October 03, 2017
4.	Communication to affiliated institutions	October 2017, Last week	October 2017, Last week	—	October 2017, Last week	October 2017, Last week	—	February 2018, First week	February 2018, First week	February 2018, First week	February 2018, First week
5.	Second Internal	—	—	—	—	—	—	February 2018, First week	February 2018, First week	February 2018, First week	February 2018, First week
6.	Second External Academic Committee visit & submission of report	—	—	—	—	—	—	February 2018, Third week	February 2018, Third week	February 2018, Third week	February 2018, Third week
7.	Online confirmation by Regional Review Committee	—	—	—	—	—	—	March 03, 2018	March 03, 2018	March 03, 2018	March 03, 2018
8.	Communication to affiliated institutions	—	—	—	—	—	—	May 2018, First week	May 2018, First week	May 2018, First week	May 2018, First week

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WINTER 2017 Examination Schedule

Sr. No.	Activities	Odd Semester		First Semester	Yearly pattern For X Candidates only	
		Regular and X candidates and Even semester X candidates (except First Semester)	Period		Period	Period
1.	Filling Examination forms (Normal Fees)	August 18 to September 01, 2017	September 18 to 16, 2017 **	August 18 to September 01, 2017	—	—
2.	Filling Examination forms (With regular fees + Late fees of Rs. 200/-)	September 04 to 13, 2017	September 18 to 20, 2017 **	September 04 to 13, 2017	—	—
3.	Filling Examination forms (With regular fees + Penalty Rs. 1500/-) Institute Conformation RBTTE Conformation	September 14 to 22, 2017	September 21 to 23, 2017 **	September 14 to 22, 2017	September 23, 2017	September 25, 2017
4.	Practical Exam	October 23 to November 04, 2017	October 30 to November 04, 2017	October 23 to November 04, 2017	—	—
5.	Theory Exam.	November 09 to November 30, 2017	November 11 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 Enrollment process.

SUMMER 2018 Examination Schedule

Sr. No.	Activities	Regular Candidates for Even Semester		Regular Candidates for Yearly pattern		X candidates for Semester & Yearly pattern	
		Period	Period	Period	Period	Period	Period
1.	Filling Examination forms (Normal Fees)	January 22 to February 03, 2018	January 22 to February 03, 2018	January 22 to February 03, 2018	January 22 to February 03, 2018	January 22 to February 03, 2018	January 22 to February 03, 2018
2.	Filling Examination forms (With regular fees + Late fees of Rs. 200/-)	February 05 to 14, 2018	—	February 05 to 14, 2018	February 05 to 14, 2018	February 05 to 14, 2018	February 05 to 14, 2018
3.	Filling Examination forms (With regular fees + Penalty Rs. 1500/-) Institute Conformation RBTTE Conformation	February 15 to 20, 2018	February 15 to 20, 2018	February 15 to 20, 2018	February 15 to 20, 2018	February 20, 2018	February 21, 2018
4.	Practical Exam	March 26 - April 05, 2018	—	March 26 - April 05, 2018	March 26 - April 05, 2018	March 26 - April 05, 2018	March 26 - April 05, 2018
5.	Theory Exam.	April 12 - May 09, 2018	—	April 12 - May 09, 2018	April 12 - May 09, 2018	April 12 - May 09, 2018	April 12 - May 09, 2018
6.	Declaration of Result	June 2018, Second week	—	June 2018, Second week	—	June 2018, Second week	—

Start of Academic Session 2018-19 : 17th June 2018

Affiliation & Enrollment Schedule 2017-18

Activities	AICTE and Non-AICTE Institutes	First Semester / Direct Second Year		First year
		Period	Period	
Submission of Affiliation forms	May 29 - June 30, 2017	—	—	All institution
Note : One week after cutoff date of State CET admissions, Schedule will be modified by separate circular.				
2. Institutes have to take measures to conduct additional instructional days for academic activities if needed. 3. 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. 4. Further the institutes must ensure that after confirming the examination forms with late fee, the question paper requirement is met. 5. In case of any exceptional situation occurring locally, the necessary amendment in the schedule of any activity shall be made by the concerned regional office with intimation to head office. 6. The enrollment of the candidates shall remain provisional till the approval of merit list of admitted candidates from concerned joint Director of Technical Education.				
 Dr. Vilas N. Mohite Secretary, M. S. Board of Technical Education, Mumbai				

Copy to :

1. Hon. Director, MSBTE, Mumbai - for information
2. Dy. Secretary, CDC, MSBTE, Mumbai - for information
3. Dy. Secretary, MSBTE Regional Offices, Mumbai, Pune, Aurangabad, Nagpur for necessary action.
4. Desk Officer D-21, D-42 & D-43, MSBTE, Mumbai - for necessary action.
5. Portal Manager, MSBTE, Mumbai to display on the website.

5

Image no 2.2.1.1 Academic calendar for year 2017-2018

Department prepares departmental Academic Calendar keeping strict adherence to MSBTE Academic Calendar. Image no 2.2.1.2 shows departmental academic activity plan and calendar for year 2017-2018.

Government Residential Women's Polytechnic, Latur Electronics and communication Engineering Department <u>Department Academic Calendar (A.Y. 2017-2018)</u>			
Sr. No.	Odd Semester	Even Semester	
	Activity plan	Duration	Activity plan
1	Student admission	12/06/2017 to 18/06/2017	Student admission
2	Term duration	19/06/2017 to 14/10/2017	Term duration
3	Display % Attendance of student	07/08/2017	Display % Attendance of student
4	First progressive Test	09/08/2017 to 11/08/2017	First progressive Test
5	Display % Attendance of student	09/10/2017	Display % Attendance of student
6	Second Progressive Test	11/10/2017 to 13/10/2017	Second Progressive Test
7	Industrial Visits plan	01/07/2017 to 07/10/2017	Industrial Visits plan
8	Expert Lectures and Workshop plan	01/07/2017 to 07/10/2017	Expert Lectures and Workshop plan
9	First Internal Monitoring	Sept. 2017, First Week	Second Internal Monitoring
10	First External Academic committee visit and report submission Monitoring	NA since department has completed 5 years of establishment	Second External Academic committee visit and report submission Monitoring
11	Term Work Submission	04/10/2017	Term Work Submission
12	Probable Provisional Detention List of students	07/10/2017	Provisional Detention List of students
13	Probable Final Detention List of students	10/10/2017	Final Detention List of students
14	Department meeting	Monthly one meeting	Department meeting
15	Filling Examination form	18/08/2017 to 01/09/2017	Filling Examination form
16	Filling Examination form	14/09/2017 to 22/09/2017	Filling Examination form
16	Institute Conformation RBTE Conformation	22/09/2017 25/06/2017	Institute Conformation RBTE Conformation
17	Tentative Practical Examination	23/10/2017 to 04/11/2017	Tentative Practical Examination
18	Tentative Theory Examination	09/11/2017 to 30/11/2017	Tentative Theory Examination

Start of Academic Session 2018-2019 : 17/06/2018


 Head of Department
 Sh. A. S. Latankar
 Head of Dept.

Image no 2.2.1.2 Department Academic Activity Plan and Calendar for Year 2017-2018

B. Use of various instructional planning and delivery methods (3)

Institute Marks

3.00

B. Use of various instructional planning and delivery methods (3)

Teaching is made effective by planning and using delivery methods to implement curriculum. Teaching record is maintained as per MSBTE designed CIAAN norms prescribed formats D1 to D6 in course file for every course by teaching faculty.

1. Faculty Course files

For every course the faculty prepares and maintains course file. The course file consists of Vision, Mission statement of programme, Programme Educational Objectives (PEO), Program Outcome (PO) & Program Specific Outcomes (PSO), Course Outcome, CO-PO mapping matrix, Individual Time Table, Academic Calendar, Theory Teaching Plan (CIAAN 2011 format D1), Laboratory Activity Plan (CIAAN 2011 format D2), Student Theory and Practical Attendance, Continuous Assessment for Term work (D4), Assessment for Oral/Practical/Online examination (External/Internal) (D5), Analysis of Progressive Class Test (Sessional Test) (D9), Status of Percentage Syllabus Covered, Faculty Profile, Progressive Class Test Question Papers and MSBTE course curriculum hard copy.

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

D-1

Teaching Plan (TP)

Institute Code : O13G	Course Name: ET 5G [Electronics & Comm]
Course Code : ET 5G	Subject Code : 17534
Semester : 5 th	Name of Faculty : - Mrs. Ghode A.P.

Ch. No.	Title/Details	Allocated Hours in Curriculum	Date of Commencing Topic	Date of Completion of Topic	Teaching Method/Media	Remarks
1.	Introduction To Microcomputers and Microcontrollers 1.1. Introduction to Single board microcomputers. - Block diagram of Microcomputer - Elements of Microcomputer [Buses, Microprocessor, Memory I/O devices] - Different type of buses: address, Data & control bus 1.2. Introduction to microcontrollers General block diagram of Microprocessor - General Block diagram of Microcontroller. - comparison of Microprocessor and Microcontrollers. - Types of Architectures - Harvard and Von-neuman Selection factors of microcontroller(Architecture type, Speed, word size, instruction set, memory, I/O capability)	0.1	19/06/17	23/06/17	chalk & Board	
		0.1	20/06/17	26/06/17	chalk & Board	
		0.1	23/06/17	29/06/17	chalk & Board	
		0.1	29/06/17	30/06/17	chalk & Board	Completed
2.	8051 Microcontroller 2.1 8051 Architecture - Features, Architecture - Pin description - Memory Organisation of 8051 2.2 Special features of 8051 - Boolean Processor - Power saving Options- idle and power down mode	03	30/06/17 05/07/17 07/07/17 09/07/17	30/06/17 03/07/17 05/07/17 06/07/17	PPT chalk & Board	Completed
		01	10/07/17	05/07/17	PPT chalk & Board	Completed
		01	11/07/17	06/07/17	PPT chalk & Board	Completed
		01	14/07/17	07/07/17	chalk & Board PPT	Completed
		01	22/07/17	10/07/17	PPT chalk & Board	Completed

Image no 2.2.1.3. Specimen Copy of Teaching Plan (TP)

Maharashtra State Board of Technical Education Mumbai
LABORATORY/ASSIGNMENT/SHEET/JOB/PROJECT ACTIVITY PLANNING

Lab Name: Computer Lab. Class : ET5G Subject: MISC [17534].

Sr. No.	Name of Experiment/ Assignment/Sheet/Job/Project Activity	Date of Performance Planned						Actual Date of Completion					
		Batch- E1	Batch- E2	Batch- E3	Batch- E4	Batch- E1	Batch- E2	Batch- E3	Batch- E4	Batch- E1	Batch- E2	Batch- E3	Batch- E4
1.	Understand 8051 development board and tools of Keil simulation Software.	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
2.	Develop and simulate assembly language program for arithmetic operations as addition, sub, mul, div.	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
3.	Develop and simulate ALP for Block transfer and block exchange with external Memory	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
4.	Develop and simulate ALP for finding smallest/largest numbers and arranging the numbers in ascending/descending	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
5.	Develop, simulate and download ALP to generate square and rectangular wave on port pin 8051 using timer	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
6.	Develop, simulate and download ALP to on/off LED using a key connected at port of 8051	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
7.	Interface seven segment display to 8051 and develop simulate ALP to design up/down counter	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
8.	Interface stepper motor to 8051 and develop program to rotate motor in clockwise direction	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
9.	Interface 8 bit DAC and ADC to 8051. Develop and download an ALP program to generate at least two waveform	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19
10.	Develop and simulate an assembly language program for level controller/ traffic controller	15/10/19	16/10/19	17/10/19	18/10/19	15/11/19	16/11/19	17/11/19	18/11/19	15/12/19	16/12/19	17/12/19	18/12/19

Mrs. Ghade, A.P.
Signature &
Name of Faculty

Sai
Signature &
Name of H.O.D.

Image no. 2.2.1.4 Laboratory Action Plan (LP) Proforma

Course Name : Electronics Engineering Group
Course Code : ETEN/EJIE/IS/IC/DE/EV/AI/UED/EI
Semester : Fifth for ETEN/EX/EJIE/IS/IC/DE/EV/MU and Sixth for IJ/ED/EI
Subject Title : Microcontroller
Subject Code : 17534

Teaching and Examination Scheme:

Teaching Scheme			Examination Scheme						
TH	TU	PR	PAPER	HRS	TH	PR	OR	TW	TOTAL
03	-	02	03	100	50#	--	25@	175	

NOTE:

- > Two tests each of 25 marks to be conducted as per the schedule given by MSBTE.
- > Total of test marks for all theory subjects are to be converted out of 50 and to be entered in mark sheet under the head Sessional Work (SW).

Rationale:

This subject comes under technology area. The subject is an extension of concepts covered in digital techniques. 8051 microcontroller architecture, peripheral interfacing to it, assembly language programming is covered in this subject.

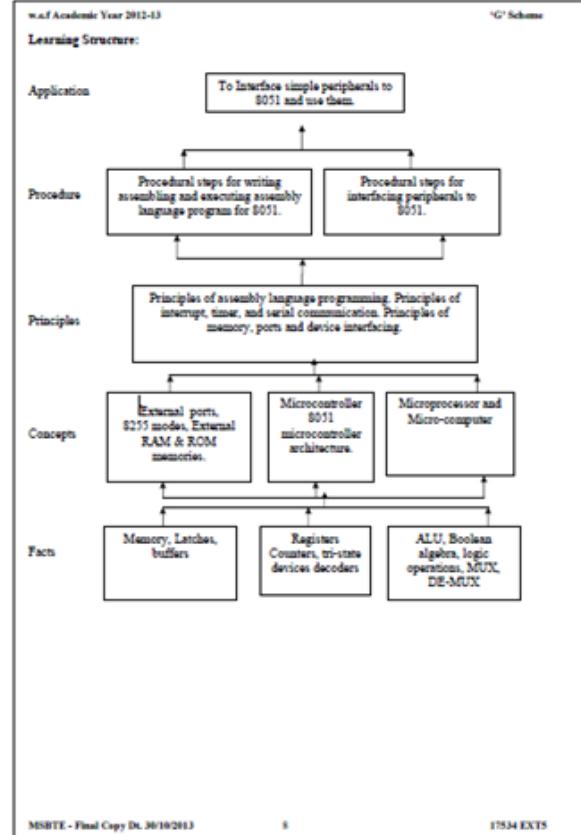
Microcontroller is heart of all domestic, industrial, consumer goods and other high end products. Automation in every field of life is being used and microcontroller is built-in element of these systems and devices.

The student will gain the knowledge of peripheral interfacing and programming them. Microcontroller is in built element of embedded system. The subject will help the students to study concepts of embedded system. It will also help to understand design of simple microcontroller system.

General Objectives:

Students will able to:

- > Understand concepts of microcomputer, microprocessor and microcontroller.
- > Interface peripherals to microcontroller.
- > Develop logic for assembly language programming.
- > Understand the principles of working of present day microcontroller systems in various fields.



W.e.f Academic Year 2012-13			'G' Scheme		
Theory:			Practical:		
Topic and Content	Hours	Marks	Hours	Marks	Marks
Topic 1: Introduction to Microcomputer and Microcontrollers Specific Objectives: ➢ Distinguish microcomputer, microprocessor, and microcontroller Content: 1.1 Introduction to single board microcomputer. (Marks 04) • Block Diagram of Microcomputer. • Elements of Microcomputer. (Buses, Microprocessor, memory, I/O devices). • Different types of buses: address, Data, and control bus 1.2 Introduction to Microcontroller (Marks 06) • General block diagram of microprocessor and microcontroller • Comparison of Microprocessors and Microcontrollers. • Types of architectures - Harvard and Von-neuman. • Selection factors of microcontroller(Architecture type, speed, Word length, instruction set, memory, and I/O capability)	04	10			
Topic 2: 8051 Microcontroller ➢ Identify Hardware features and internal registers with their functions ➢ Identify physical difference between external and internal memory and between different ports ➢ Compare different members of 8051 family. Content : 2.1 8051 Architecture (Marks 10) • Features, Architecture, Pin description. • Memory Organization of 8051 2.2 Special Features of 8051 (Marks 06) • Boolean Processor, Power saving options- idle and power down mode, Derivatives of 8051- 8031, 8751,8952, 89V51RD2	06	16			
Topic 3: 8051 Instruction set and programming ➢ Comprehend addressing modes and instruction set. ➢ Develop and realize assembly language programs.	12	24			
3.1 Addressing modes and instruction set. (Marks 10) • Assembler directive- ORG, DB, EQU, END, CODE, DATA 3.3 Assembly language programming (Marks 10) 3.4 Software development cycle- Editor, Assembler, cross compiler, linker, locator, compiler (Marks 04)					

W.e.f Academic Year 2012-13			'G' Scheme		
Theory:			Practical:		
Topic and Content	Hours	Marks	Hours	Marks	Marks
Topic 4: Parallel Ports and Serial Communication: ➢ Comprehend Serial and parallel communication Content: 4.1 Parallel Port of 8051 (Marks 06) • I/O port structure & its Programming. 4.2 Serial Port of 8051 (Marks 06) • Serial Communication-SCON, SBUF • Modes of serial communication • Simple programs for serial communication.			06	16	
Topic 5: MCS 51 Interrupt and timers ➢ Realize Concept of Interrupts, timer, and related SFRs; ➢ Use timers and Interrupts through programs ➢ Compare interrupt and polling method. Content: 5.1 8051 Timer/counter (Marks 06) • Timer / Counter logic and modes • Simple programs on timer to generate time delay using polling and interrupt method. 5.2 8051 Interrupts (Marks 06) • Interrupts and polling. • SFR - IE, IP • Simple programs based on interrupts and polling method			06	16	
Topic 6: Memory and I/O interfacing ➢ Interface I/O devices and memory devices ➢ Expand memory and I/O Content: 6.1 Memory Interfacing : (Marks 06) • Interfacing of External Program and Data Memory • Address map table • Linear and absolute decoding techniques 6.2 I/O Interfacing: (Marks 12) • 8255-Block diagram, operating modes • Port expansion with 8255 • Interfacing of LED, keys, Relays, Seven segment display, Stepper motor using 8255.			06	18	
			Total	48	100

W.A.F Academic Year 2012-13		G Scheme																												
2. Develop and simulate assembly language program for arithmetic operations as addition, subtraction, multiplication, division.																														
3. Develop and simulate assembly language program for Block transfer and Block Exchange with external memory.																														
4. Develop and simulate Assembly Language program for finding smallest/largest numbers and arranging the numbers in ascending/descending order.																														
Practical Experiment and Cross word																														
5. Develop, simulate and download an assembly language program to generate square and rectangular wave on port pin of 8051 using timer.																														
6. Develop, simulate and download an assembly language program to ON/OFF LED using a key connected at port of 8051.																														
7. Interface seven segment display to 8051 and develop, simulate an assembly language program design UP/DOWN counter (using Timer Interrupt).																														
8. Interface stepper motor to 8051 and develop program to rotate motor in clockwise direction.																														
9. Interface 8 bit DAC and ADC to 8051. Develop and download an assembly language program to generate at least two different waveforms using DAC and convert analog data into digital using ADC.																														
10. Develop and simulate an assembly language program for Level controller/Traffic controller																														
Optional																														
11. Develop, simulate and download an assembly language program for serial communication with HyperTerminal of windows operating system.																														
Learning resources:																														
1. Books																														
<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Title</th> <th>Author</th> <th>Publisher</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>8051 Microcontroller architecture programming & application</td> <td>K. J. Ayala</td> <td>IEEE/ Prentice Hall of India</td> </tr> <tr> <td>02</td> <td>The 8051 microcontroller & embedded system</td> <td>Mohamed Ali-Samadi, Janice Gobija-Samadi, Relius D. McKinstry</td> <td>Pearson / Prentice Hall</td> </tr> <tr> <td>03</td> <td>Microcontroller principle & application</td> <td>Ajit Pal</td> <td>Prentice Hall of India</td> </tr> <tr> <td>04</td> <td>Microcontroller theory & application</td> <td>Ajay Duttamah</td> <td>Tata McGraw-Hill</td> </tr> <tr> <td>05</td> <td>Microcontroller Architecture, programming, interfacing, & system design</td> <td>Rajkumar</td> <td>Pearson</td> </tr> <tr> <td>06</td> <td>8051 Microcontroller MCS-51 family and its variants</td> <td>Satish Shaha</td> <td>Oxford</td> </tr> </tbody> </table>	Sr. No.	Title	Author	Publisher	01	8051 Microcontroller architecture programming & application	K. J. Ayala	IEEE/ Prentice Hall of India	02	The 8051 microcontroller & embedded system	Mohamed Ali-Samadi, Janice Gobija-Samadi, Relius D. McKinstry	Pearson / Prentice Hall	03	Microcontroller principle & application	Ajit Pal	Prentice Hall of India	04	Microcontroller theory & application	Ajay Duttamah	Tata McGraw-Hill	05	Microcontroller Architecture, programming, interfacing, & system design	Rajkumar	Pearson	06	8051 Microcontroller MCS-51 family and its variants	Satish Shaha	Oxford		
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MSBTE - Final Copy Dt. 30/10/2013		11																												
17534 EXTS																														

Image no. 2.2.1.5 MSBTE Course Curriculum of Course Microcontroller

1. Pedagogical Delivery Methods

- Class Room Theory Lectures :** This method includes traditional chalk and board method as well as new methods such as PPT on LCD projector, video lectures (f eg.NPTEL lectures).
- Laboratory Practical Session :** Laboratory session work focuses on improving motor skills of students. It encourages them to work in Cognitive domain, Psychomotor domain and Affective domain. Students apply theory concepts. They learn to handle equipments, record observations, interpret the result. Students follow safety practices and learn to work in team as well as at individual level.
- Simulations :** Some course practicals are performed using Simulation Softwares. Students are thus exposed to different tools and experimentation.
- Project :** Theory concepts are implemented to develop psychomotor skills while developing microprojects in every course at all levels. At final year level capstone projects are included in curriculum. Students learn to assemble and demonstrate the projects under guidance of faculty.

- **Oral/ Viva Voce Conduction :** It is one of the important assessment tools to get teaching – learning process feedback from students by external examiner. Students demonstrate attainment of theory and practical knowledge by answering questions raised by examiner.
- **Seminar :** Students have to deliver seminar as a part of project work with the help of PPT. Students also deliver seminar presentation by collecting information on any course relevant topic under course Professional Practice.
- **Assignments :** Assignments are given for improvement of student performance.
- **Industrial Visits :** Industrial visits are organised to make the students aware with industrial environment and work ethics.
- **E-Learning Resources :** Videos and E-learning resources are shown to students for exploring content beyond syllabus from national experts available through NPTEL (SWAYAM) and Spoken Tutorial.
- **Group Discussion :** Class room group discussion activity inculcates effective domain skills in students. Students learn to grab opportunity, to express opinion while listening others. They try to update themselves to cope up with latest trends invarios areas..
- **Expert Lecture :** Expert lectures by Industry persons and "personality and entrepreneurship development sessions" play key role to inculcate professional skills , ethics, etiquettes in students. Students are made aware of recent technology, career improvement parameters for being a good engineer.
- **Technical Workshop :** Technical workshops introduce recent trends in technologies and scope to improve professional skills in particular area to students.
- **In-plant Training :** In-plant Training organized for students is helpful to expose students to the industrial environment, safety and work culture. Students can study real time working strategies and policies of industrial set-up, large scale production process, latest machines, Company laws ,legislations and communication.
- **Extra-curricular Activities :** Students participate in co-curricular and extra curricular activities organized by department, institute, inter-institute, State and National level. In tandem with study, students are involved in social, cultural, health care, personality development activities for their overall growth.

C. Methodologies to support weak students and encourage bright students (4)

Institute Marks

4.00

Student performance in End Semester Examination (ESE) and progressive tests (PTs) are checked time to time by each faculty for identification of weak students and bright students. Weak students are attended by faculty members for their difficulties, assignments are given for further improvements and remedial classes are conducted for them as per need.

While bright students are encouraged to participate in activities like technical paper presentation, poster presentation, project competitions at Institute level, State level, National level. Students association is formed at institute level for organizing cultural and technical events. Topper students are felicitated on the occasion of Engineers Day and parents convention to motivate them.

Since this institute is a residential womens institute , regular ladies teaching faculties are given additional charge of Rector and Wardens who have lions share in student counseling ,motivation and parent counseling.Specimen photographs of students achievements and assignments completed by students are as shown in following images.



Image no. 2.2.1.6 Poster presentation Winner Students at

SVERI, COE,Pandharpur



Image no.2.2.1.7 Kabbadi Winner team of IEDSSA 2020

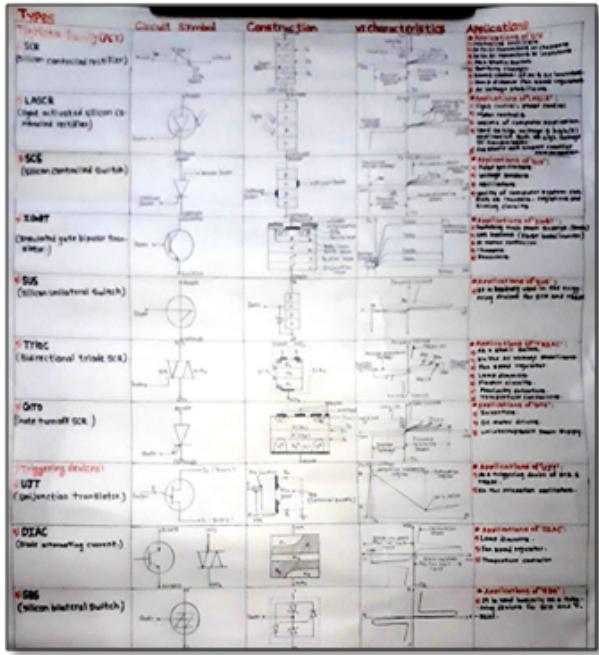


Image no. 2.2.1.8 Assignment Work on Drawing Sheet for Course Basic of Power Electronics (BPE)

D. Quality of classroom teaching (3)

Institute Marks

3.00

Traditional chalk board teaching is normally blended with power point presentations and expert video lectures for improving interest of students in the class. OHP is used for some course teaching by using self-developed and printed transparencies. Online lectures by "National Programme on Technology Enhanced Learning" (NPTEL) and third party video lectures are also utilized by faculties. Departmental computer laboratory facilitates computer aided teaching and internet facility to students. Two LCD projectors are available in the department. Teaching plan is prepared well in advance by faculties which reflects utilization of ICT tools. Image no 2.2.1.9 shows use of ICT tools for effective teaching learning. The efficiency of teaching learning process is evident in the results of annual board examinations conducted by MSBTE.



Image no 2.2.1.9 Use of ICT Tools for Effective Teaching Learning process

E. Conduct of experiments (3)

Institute Marks

3.00

Practical activities are planned by faculty as per MSBTEs D2 format well in advance. MSBTE has designed laboratory manuals for various courses. In case laboratory manual is not available from MSBTE, faculty member prepares laboratory manual for experiments to be conducted. Experiment is performed in a group of 4 to 5 students. Experiment work-flow starts with the title of experiment, prior concepts, new concept (theory concept and diagrams), learning objectives, apparatus required, actual circuit/block diagram, stepwise procedure, observation tables, skills to be developed, graph, conclusion. Students write down observations, plot graphs and perform small group activities under the guidance of the teacher. Experiment ends with brain storming questions. Specimen images of practical demonstration by teaching faculty, laboratory manual and progressive assessment format of laboratory practicals are shown below.



Image no. 2.2.1.10 Practical Demonstration by Teaching Faculty



Image no. 2.2.1.11 Practical manual designed by MSBTE for course Basic Electronics

Practical No.	Practical Objective	Content Page				
		Page No.	Date of practical	Date of written test	Assess marks (Out)	Assess. Marks of CF (out)
1. 1	Test the performance of PN junction diode.	1	1-1-2020	2-2-2020	100	100
2. 2	Test the performance of zener diode.	9	1-1-2020	2-2-2020	100	100
3. 3	Test the performance of photo diode using light emitting diode as source of light.	17				
4. 4	Build and test half wave rectifier on breadboard.	26	1-1-2020	2-2-2020	100	100
5. 5 and 6	Build half wave rectifier on bread board with filter-Part I, Part-II	33	1-1-2020	2-2-2020	100	100
6. 7 and 8	Build half wave rectifier on breadboard using two diodes-Part I, Part-II	42	1-1-2020	2-2-2020	100	100
7. 9	Build half wave bridge rectifier on breadboard.	51	1-1-2020	2-2-2020	100	100
8. 10	Use LC with full wave rectifier to measure ripple factor.	58	1-1-2020	2-2-2020	100	100
9. 11	Use n filter with bridge rectifier to measure ripple factor.	65	1-1-2020	2-2-2020	100	100
10. 12	Assemble positive clipper circuit on breadboard and test the performances.	72	1-1-2020	2-2-2020	100	100
11. 13	Assemble Negative clipper circuit on breadboard and test the performances.	79	1-1-2020	2-2-2020	100	100
12. 14 and 15	Build the combinational Clipper on breadboard and test the performance-Part I, Part-II	86	1-1-2020	2-2-2020	100	100
13. 16 and 17	Build the half wave rectifier on breadboard and test the performance-Part I, Part-II	93				
14. 18	Build negative clapper on breadboard and test the performance.	101				
15. 19 and 20	Identify terminals of the PNP and NPN transistors in common base Ray Oscillator-Part I, Part-II	109				
16. 21	Find specifications of a given transistor using data sheets.	118				

Image no. 2.2.1.12 List of Practicals and Progressive Assessment Sheet

F. Continuous Assessment in the laboratory (3)

Institute Marks

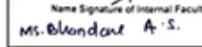
3.00

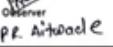
Experiment is completed under the guidance of course teacher and progressively assessed. Progressive assessment process includes parameters such as student attendance, active participation during performance of the experiment, punctuality in submission, neatness in manual writing and answering questions during manual checking. Each experiment is assessed for 10 marks considering assessment parameters related to skills such as Cognitive Domain skills, Psychomotor Domain skills and Affective Domain skills as shown in Table no. 2.2.1.1. Marks of assessed practicals out of 10 are entered in final assessment sheet of term work (MSBTE proforma D4) as shown in the Image no. 2.2.1.13. An observer is appointed at institute level to verify the correctness of filled proforma D4 sheets.

Cognitive Domain Skill (04)	Psychomotor Domain Skill (04)	Affective Domain Skill (02)	Total Marks (10)	Signature of staff with date

Table no. 2.2.1.1

With Effect From 2012-13 Maharashtra State Board of Technical Education FINAL ASSESSMENT FOR TERM WORK (TW) & SKILL TEST																			D - 4		
Academic Year : 2016-17			Name of Faculty: BHANDARE A.S.																		
Course & Code : ET SG			Subject & Code: MICROcontroller(ET534)																		
Roll No.	Enroll. No.	Exam Seat No.	Experiment / Job / Assignment / Sheet / Activity of project / No. (Marks Out of 10 per experiment)										5	6	7	8	9	10	Total Marks Out of (100)	Marks of TW Out of (25) as Per T.R.	Skills Test Marks (30)
			1	2	3	4	5	6	7	8	9	10							6	7	8
1	1401360217	845610C	AKANGIRE PALLAVI DNYANOBIA	8	9	8	9	9	9	9	9	9	8	8	8	8	8	8	86	22	26
2	1501360285	845611S	ANCHULE YUGANDHARA ASHOK	8	8	8	9	8	9	9	9	9	8	8	8	8	8	8	84	21	24
3	1501360284	845611A	BACHATE PVTI NAGRAO	8	9	9	9	8	9	9	9	9	9	9	9	9	9	9	87	22	25
4	1401360165	8456119	BANDAPALE MAHADEVI BALAJI	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	91	23	27
5	1501360286	8456116	BANSODE SUHARNA MAUHARI	8	9	8	8	9	9	8	9	8	9	8	9	8	9	9	85	22	25
6	1401360126	8456114	BARBOLE ANALI BALAJI	8	9	9	9	8	10	9	9	9	9	9	9	9	9	9	89	23	27
7	1401360125	8456113	BHAVARE SAPNA BALAJI	8	9	8	8	8	9	8	8	8	8	8	8	8	8	8	82	21	24
8	1401360115	8456108	BHOSALE KAVITA GANPAT	9	8	9	9	8	8	9	8	9	9	9	9	9	9	9	86	22	26
9	1401360205	8456107	BHOSALE PRIPYA BALASAHEB	8	9	9	9	9	8	8	8	9	8	8	8	8	8	8	85	22	25
10	1501360287	8456117	BHURE PRAGATI BALASAHEB	8	8	8	9	8	8	9	9	8	8	8	8	8	8	8	83	21	24
11	1401360196	8456111	BHURE SHITAL ASHOK	8	9	9	9	9	9	9	9	8	8	8	8	8	8	8	86	22	26
12	1401360207	8456109	BIRADAR PRANITA BALAJI	8	8	9	9	8	9	9	9	9	8	8	8	8	8	8	85	22	24
13	1401360189	8456108	BIRADAR SHREYA DINKAR	8	8	8	9	10	9	10	10	9	9	9	9	9	9	9	90	23	27
14	1401360149	8456113	BODAK SHRADHHA SATISH	9	9	9	8	8	8	9	9	9	9	9	9	9	9	9	87	22	25
9	1401360120	8456109	CHANDANE SUKESHI SUNIL	8	9	8	9	8	9	9	9	8	8	8	8	8	8	8	84	21	22
16	1401360139	8456109	CHARAN SAVITA BABU	9	8	8	8	9	9	9	9	9	9	9	9	9	9	9	87	22	26
17	1401360229	8456106	CHINDE POOJA MAHADEV	8	9	8	8	8	8	8	10	9	9	9	9	9	9	9	85	22	26
18	1401360188	8456117	DIXIT POOJA PANDURANG	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	86	22	26
19	1501360288	8456118	GARHWAD POOJA RAHUL	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	86	22	25
20	1401360144	8456111	GANAPURE ANALI RAMESH	8	9	9	8	8	9	9	9	8	9	9	9	9	9	9	85	22	25


 Name Signature of Internal Faculty
 Ms. Bhandare A.S.


 Observer
 P.P. Nitinade


 Dr. Ratnakar F.

Image no. 2.2.1.13 Assessment of Term Work (Proforma D4)

G. Student feedback of teaching learning process and action taken (6)

Institute Marks

6.00

1. Course Feedback

Teaching faculty feedback regarding teaching -learning process is taken by department in format developed by department as per MSBTE guidelines per course, per semester for every year. Student feedback is taken in soft copy as well as hard copy as shown in Image no. 2.2.1.14. Minimum 50% and maximum 100% regular students are present for feedback.

Parameters which are included in feedback format developed for Academic year 2016-2017, 2017-2018 and 2018-2019 are as follows :

Course objectives and outcomes clarity specified at the commencement of the class, subject knowledge (Theory), practical knowledge of the subject and execution in laboratory, lecture and discussion focused on the subject, presentation skills in class (use of teaching aids, blackboard organization), curriculum coverage (regularity and punctuality), evaluation of progressive tests papers (Fair and Impartial), interaction with students (difficulties, motivation to learn), completion/coverage of course, learning material (used, developed and circulated). These parameters are as per the guidelines of MSBTE Internal/ External Academic monitoring Norms.

In Academic Year 2019-20 for student course feedback guidelines of MSBTE Internal/ External Academic Monitoring and AICTE mentioned parameters were combined and new course feedback format is developed by department for 360° feedback. Feedback analysis is done and weightage achieved by the faculty members of courses taught by them is mentioned in Table no. 2.2.1.2. Weightage achieved by teaching faculty are shown to them and necessary improvements are suggested. Evidences are kept in department.

The details of course feedback of academic year 2016-2017, 2017-2018, 2018-2019 taken and their analysis mentioned in following Table no. 2.2.1.2

Sr. No.	Academic Year	Course Title	Course Abbr. and Code	Name of Staff	Weightage Achieved in Percentage
1	2016 - 2017 (Even Semester) ET4G	Environmental Studies	EST(17401)	Mrs. S. A. Agarkar	74.97
2		Industrial Measurements	IME(17434)	Mrs. R.V. Mahagaonkar	78.29
3		Analog Communication	ACO(17440)	Mr. P.M. Kudale	81.83
4		Power Electronics	PEL(17444)	Mrs. S. H. Chincholkar	85.09
5		Linear Integrated Circuits	LIC(17445)	Mr. I. S. Awale	98.72
6	2016 - 2017 (Even Semester) ET6G	Management	MAN (17601)	Mr. A. G. Badade	89.96
7		Advanced Communication Systems	ACS (17656)	Mrs. S. A. Agarkar	82
8		Mobile Communication	MCO (17657)	Mrs. J. J. Pathan	76.9
9		Embedded System	ESY (17658)	Mrs. A. S. Bhandare	78
10		Very Large Scale Integration	VLS (17659)	Dr. P.V. Rathod	92.01
11	2017 - 2018 (Even Semester) ET2I	Applied Mathematics	AME(22210)	Mr. C. K. Dhulgunde	99.72
12		Elements of Electrical Engineering	EEC(22215)	Mr. R. B. Kakde	99.4
13		Basic Electronics	BEL(22216)	Mr. A. G. Badade Mr. S. H. Chincholkar	99 94.4

14	Electronic Engineering Materials	EEM(22217)	Dr. P. V. Rathod	98.72	
			Mr. I. S. Awale	85.88	
			Mrs. S. A. Agarkar	95.44	
15	C Programming Language	CPR(22218)	Mrs. P. V. Kavthale	94.28	
16	2017 - 2018 (Even Semester) ET4G	Environmental Studies	EST(17401)	Mrs S.W. Mane	93.18
17		Industrial Measurements	IME(17434)	Mrs. R. V. Mahagaonkar	93.72
18		Analog Communication	ACO(17440)	Ms. P. M. Kudale	93.72
19		Power Electronics	PEL(17444)	Mrs. S. H. Chincholkar	93.63
20		Linear Integrated Circuits	LIC(17445)	Mr. I. S. Awale	88.09
21	2018 - 2019 (Even Semester) ET2I	Applied Mathematics	AME(22210)	Mr. C. K. Dhulgunde	98.2
22		Elements of Electrical Engineering	EEC(22215)	Mr. R. B. Kakde	97.15
23		Basic Electronics	BEL(22216)	Mr. A. G. Badade	84.76
24		Electronic Engineering Materials	EEM(22217)	Dr. P. V. Rathod	93.71
25		C Programming Language	CPR(22218)	Mrs. P.V.Kavthale	95.33
30	2018 - 2019 (Even Semester) ET4I	Linear Integrated Circuits	LIC(22423)	Mr. A. S. Laturkar	94.25
31		Consumer Electronics	CEL(22425)	Mr. S. H. Shaikh	93.97
32		Microcontroller and Applications	MAA(22426)	Dr. S. D. Yardi	94.19
33		Basic Power Electronics	BPE(22427)	Mr. A. G. Badade	96.69
34		Digital Communication Systems	DCS(22428)	Mr A. P. Ghode	96.19

Maintenance of Electronic Equipment and EDA Tools Practices	MET(22036)	Mr. A. G. Badade Ms. L. Jadhav	96.83
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Table no. 2.2.1.2 Course Feedback Weightage in Percentage

Department Of Electronics									
Academic Year 2018-19									
Class: I ET		Sem : Even Sem		Faculty Feedback From Students				Date: 25/03/2019	
Sr. No	Academic Parameter	Sub Name	AMT	Electrical Engg	Electr. Engg Materials	C Language	Business Commn.	Basic Ex.	Microproject All Subjects
	Name Give Wtg Out Of 10	Faculty Name	Mr Dhulgundre	Mr Kakde	Mr. Shevale	Mrs.Dr.S.D. Yardi & Miss. Salunke	Mr. Hasorikar	Mr. L.S.Awale	All Sub Teacher
1	Achievement Of Course Objectives & Outcomes	10	9	8	10	7	8	AME - 10	
2	Gain of Subject Knowledge Theory	10	10	9	10	7	7	EEC - 09	
3	Gain Of Practical Knowledge Pract	10	10	09	10	8	7	EEM = 09	
4	Lecture & Discussion on Subject	10	9	8	9	7	9	CPR = 10	
5	Presentation Skill in Class	9	8	9	8	8	9	BCC = 07	
6	Curriculum Coverage Regularity	10	9	8	10	9	7	BEI = 09	
7	Evaluation Of Tests	9	8	10	9	8	8		
8	Interaction With Students	10	10	9	10	7	8		
9	Completion Of Course	9	8	7	8	9	7		
10	Learning Material used PPT, Video Lect.	10	9	9	8	8	8		
	Total Points	97	89	86	92	78	78		

Roll No: 63

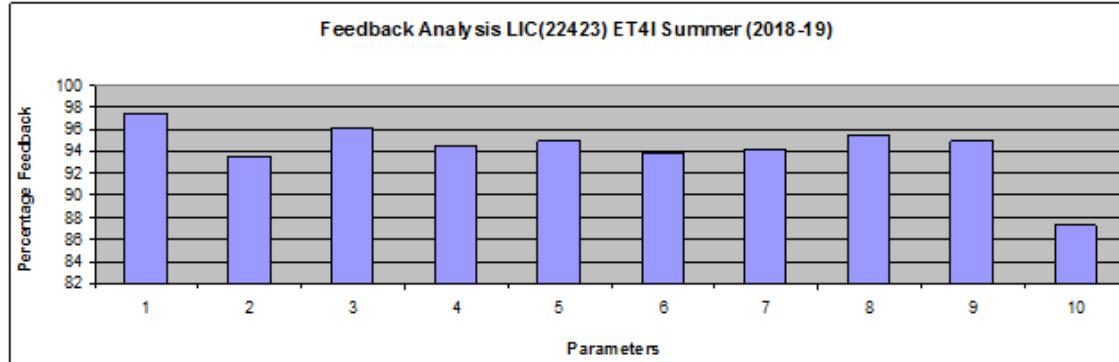
Signature

Name: Vaishnavi Balaji Yamfalle

Image no. 2.2.1.14 Sample Course Faculty Feedback Filled by Student

GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,LATUR											
Academic Year 2018-19(Even Semester)											
Subject :-LIC(22423) Class:- ET4I Faculty:- Mr.A S. Laturkar No of feedback:- 36											
Sr. No.	1.Course objectives and outcomes clearly specified at the commencement of the class	2.Subject Knowledge (Theory)	3.Practical Knowledge of the subject and execution in laboratory.	4.Lecture and discussion focused on the subject	5.Presentation skills in class(use of teaching aids,Blackboard organization)	6.Syllabus Coverage (Regularity and Punctuality)	7.Evaluation of Tests (Fair and impartial)	8.Interaction with students (Difficulties , Motivation to learn)	9.Completion/Coverage of course	10.Learning material (used,developed and circulated)	
1	10	10	10	10	9	10	10	9	9	8	
2	10	10	10	10	9	10	10	10	10	10	
3	10	9	10	10	9	10	10	10	10	9	
4	10	10	10	10	10	9	10	10	9	10	
5	10	9	10	9	10	9	9	10	10	8	
6	10	9	8	9	9	10	10	9	10	8	
7	10	10	10	9	10	10	10	9	10	9	
8	10	10	9	9	10	10	10	10	10	8	
9	10	10	10	10	10	10	10	10	10	9	
10	10	10	10	9	10	9	10	9	10	9	
11	10	10	9	10	9	9	10	10	9	9	
12	10	10	10	10	10	10	10	10	10	10	
13	10	10	10	10	10	9	9	10	10	9	
14	10	10	10	9	9	10	9	9	10	9	
15	10	10	10	9	9	10	9	9	10	9	
16	9	9	9	8	9	7	8	9	8	8	
17	10	10	10	9	9	10	10	10	10	10	
18	10	0	10	9	9	9	8	9	9	8	
19	10	10	10	10	10	10	10	10	10	9	
20	10	10	10	10	9	10	9	10	10	8	
21	10	10	10	10	10	9	8	10	10	9	
22	10	10	10	10	10	10	10	10	10	10	
23	9	10	10	10	10	10	10	10	10	10	
24	9	9	9	9	9	9	9	9	8	7	
25	10	10	10	10	10	9	10	10	10	9	
26	10	10	10	10	10	9	9	10	10	9	
27	9	8	9	9	9	9	9	8	8	8	
28	9	8	9	9	9	9	9	8	8	8	
29	9	8	9	8	8	9	8	9	9	8	
30	9	9	9	8	9	7	8	9	8	8	
31	10	10	9	10	10	9	10	10	9	8	
32	10	10	10	10	10	10	10	10	10	10	
33	10	10	10	10	10	10	10	10	10	10	
34	9	10	8	9	10	9	9	10	9	8	
35	9	9	9	9	9	9	9	9	9	5	
36	10	10	10	10	10	10	10	10	10	10	
Total out of 360	351	337	346	340	342	338	339	344	342	314	
out of 100	97.5	93.61	96.11	94.44	95.00	93.89	94.17	95.56	95.00	87.22	
Average						94.25					

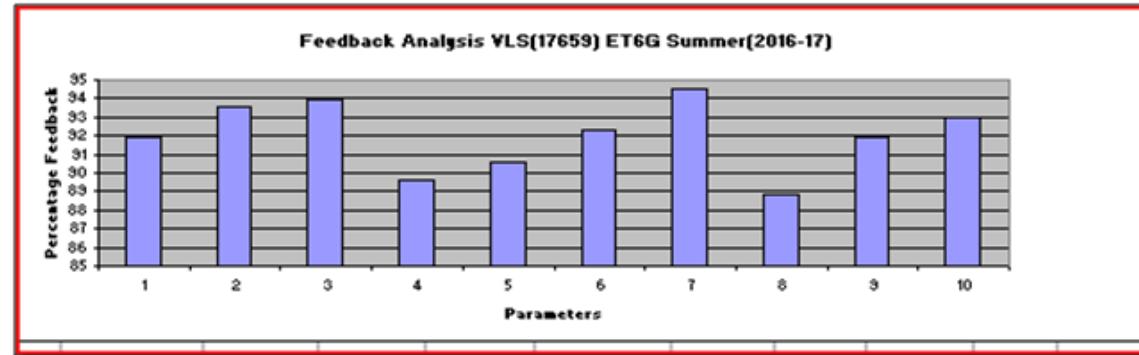
Image no 2.2.1.15 Sample Course Feedback Analysis of Faculty Mr. A.S. Laturkar for course LIC (I scheme)



Graph no. 2.2.1.1 Course Feedback Graph for Course LIC (I scheme)

GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,LATUR										
Academic Year 2016-17(Even Semester)										
Sr. No.	objectives and outcomes clearly specified at the commencement of the class	2.Subject Knowledge(Theory)	3.Practical Knowledge of the subject and execution in laboratory.	4. Lecture and discussion focused on the subject	5.Presentation skills in class/use of teaching aids,Blackboard organization	6.Syllabus Coverage (Regularity and Punctuality)	7.Evaluation of Tests (Fair and impartial)	8.Interaction with students (Difficulties, Motivation to learn)	9.Completion/Coverage of course	10.Learning material (used,developed and circulated)
1	10	10	10	10	10	10	10	10	10	10
2	9	10	9	9	10	10	9	10	10	10
3	10	10	10	10	10	10	10	10	10	10
4	10	9	10	10	9	9	10	9	8	8
5	10	10	9	10	10	10	10	10	10	9
6	8	9	9	9	10	8	8	10	9	10
7	10	10	10	9	10	10	10	10	9	9
8	9	9	6	8	8	9	9	6	9	7
9	10	10	10	10	10	10	10	10	10	10
10	8	9	10	8	9	9	10	9	9	10
11	10	10	10	9	10	10	10	10	10	10
12	9	10	10	10	10	10	9	10	10	10
13	10	9	10	9	10	10	10	10	10	10
14	10	8	10	9	10	10	10	10	10	10
15	10	10	9	9	10	8	10	9	10	9
16	10	8	7	5	5	6	7	9	9	9
17	10	10	10	10	10	10	10	10	10	10
18	10	10	10	10	10	10	10	10	10	10
19	10	8	5	8	5	8	8	3	5	8
20	10	8	5	8	5	8	8	3	5	8
21	9	7	5	5	4	9	8	9	9	9
22	9	7	9	9	9	9	8	9	9	9
23	9	8	5	4	8	8	9	9	9	9
24	10	10	10	10	10	10	10	10	10	10
25	8	10	10	10	10	8	10	10	9	9
26	8	10	10	5	10	10	10	8	10	8
27	9	10	10	9	10	10	10	10	9	10
28	10	10	10	10	9	10	10	9	10	10
29	10	10	10	10	10	9	10	10	10	10
30	10	10	9	8	5	9	8	7	8	10
31	10	10	5	10	9	10	10	9	8	7
32	8	10	10	9	10	10	10	9	9	10
33	7	10	10	10	10	10	10	9	9	9
34	10	10	10	10	9	10	10	10	10	10
35	6	9	10	5	10	0	5	10	10	10
36	10	10	10	8	10	10	10	10	10	10
37	10	9	10	10	9	9	9	10	9	9
38	10	10	10	10	5	10	10	7	10	10
39	10	10	10	10	10	9	10	10	9	9
40	8	7	8	5	7	8	10	8	7	9
41	10	10	10	10	10	10	10	10	9	10
42	10	10	10	10	7	10	10	10	10	10
43	10	10	10	10	10	10	10	10	10	10
44	9	10	5	10	10	10	10	10	9	10
45	5	10	10	5	10	10	10	5	10	10
46	10	10	10	10	10	10	9	10	10	9
47	8	10	5	8	9	8	9	8	8	9
48	5	5	10	5	5	10	10	0	10	5
49	9	8	5	10	10	10	9	9	9	9
50	9	10	5	10	9	10	10	10	8	9
51	10	10	10	9	10	10	10	10	9	9
Total out of 510	469	477	479	457	462	471	482	453	469	474
out of 100	91.96078431	93.52941176	93.92156863	89.60784314	90.50823529	92.35294118	94.50980392	88.82252941	91.9607843	92.94117647
Average					92.01960784					

Image no. 2.2.1.16 Sample Course Feedback Analysis of Faculty Mrs. P.V.Rathod for course VLSI (G Scheme)



Graph no.2.2.1.2 Course Feedback Analysis Graph for Course VLSI (G Scheme)

Action Taken on Feedback

Once course faculty feedback filled by student is analysed, weightage achieved is conveyed to teaching faculties for appreciation and improvements by HOD. Follow up of suggested improvements is taken by HOD. Faculties having 100% result of their course are awarded with certificate of appreciation by head of institute.

2. Department and Laboratory Feedback

Department collects student feedback of teaching-learning process, department and laboratory facility. Parameters mentioned in feedback format are as per MSBTE Internal/External Academic Monitoring guidelines. These parameters play vital role in teaching learning process. This feedback will indicate the strength, weakness, academic improvement in the day today department working. The evaluation parameters for department and laboratory feedback are as shown in Table no.2.2.1.3. After taking feedback in soft copy and hard copy format their analysis is done. Specimen department and laboratory , , overall feedback filled by students are as shown in Image no. 2.2.1.17 , Image no. 2.2.1.18 respectively. Evidences are kept in department.

Parameters	Academic Year 2018-2019(ET2I)	Academic Year 2018-2019(ET4I)
	Parameter wise Total Weightage achieved	Parameter wise Total Weightage achieved
1.Whether academic calendar of MSBTE is displayed before beginning of term.	38	33
2.Whether progressive class tests are conducted as per MSBTE calendar.	38	35
3.Whether class test marks are displayed on notice board within 15 days from date of test by subject teacher.	12	33

4. Was 100%curriculum covered during the last/current term.	37	35
5. Whether students deputed for Project Exhibitions	13	34
6. Whether students deputed for Paper/Poster Presentations	27	26
7. Whether Quiz Competitions organized in department	7	2
8.Whether all laboratory equipment and machinery are kept in working condition and utilized regularly	20	16
9. Are you being progressively assessed for laboratory work on index sheet.	37	30
10. Do you know class test marks at the end of term.	38	36
11.Whether theory sessions are conducted regularly	38	36
12. Whether practical sessions are conducted regularly	38	36
13. Whether extra classes are conducted to cover curriculum.	38	35
14.Whether power point presentation techniques used in teaching learning process	7	34
15.Whether industrial visits are organized in department.	1	35
16. Whether expert lectures are organized in department.	1	34
17. Whether technical workshops are organized in department	9	36
18. Interaction of faculties and staff with students.	37	35
19. Internet and computer facility provided to the students.	37	23

20. Overall of Technical Education provided in department.	38	35
Total Weightage achieved	[Out of $(20 \times 38) = 760$] 511	[Out of $(20 \times 36) = 720$] 619
Weightage achieved out of 100	67.24%	85.97%

Table no. 2.2.1.3 Department and Laboratory Feedback Analysis

Class: III ET (<i>in scheme</i>)		Sem : Even	Student Feedback	
SR NO	Feedback Question	Yes	No	Wtg Out Of 10
1	Whether Academic calendar Of MSBTE is Displayed before beginning of term	✓		10
2	Whether Progressive Skill /Class Test are conducted as per MSBTE Calender	✓		10
3	Whether test marks are displayed on notice board within 15 days from date of test.	✓		9
4	Was 100 % curriculum Covered during the last term & current term	✓		10
5	Whether students deputed for Project Exhibitions	✓		9
6	Whether students deputed for Paper /Poster Presentations	✓		10
7	Whether Technical Quiz competitions held in dept	✓		9
8	Whether all Laboratory equipments & machinery are kept in working condition	✓		10
9	Are u being continuously assessed for Laboratory Work on index sheet	✓		9
10	Do u know your class test marks at the end of term	✓		9
11	Whether Theory Class are Conducted Regularly	✓		10
12	Whether Practical Class are Conducted Regularly	✓		10
13	Whether Extra Classes are conducted to cover Curriculum	✓		9
14	Whether Power Point Presentation Technique is used In Teaching & Learning Process.	✓		9
15	Whether Industrial Visits are Arranged In Dept	✓		10
16	Whether Expert Lectures are arranged in Dept	✓		10
17	Whether Technical Workshops are arranged in Dept	✓		9
18	Interaction of Faculties & Staff With Students	✓		9
19	Internet & Computer facility provided	✓		10
20	Overall Quality Of Education in the dept. Excellent / Very Good / Good / Satisfactory/ Poor.	✓		10

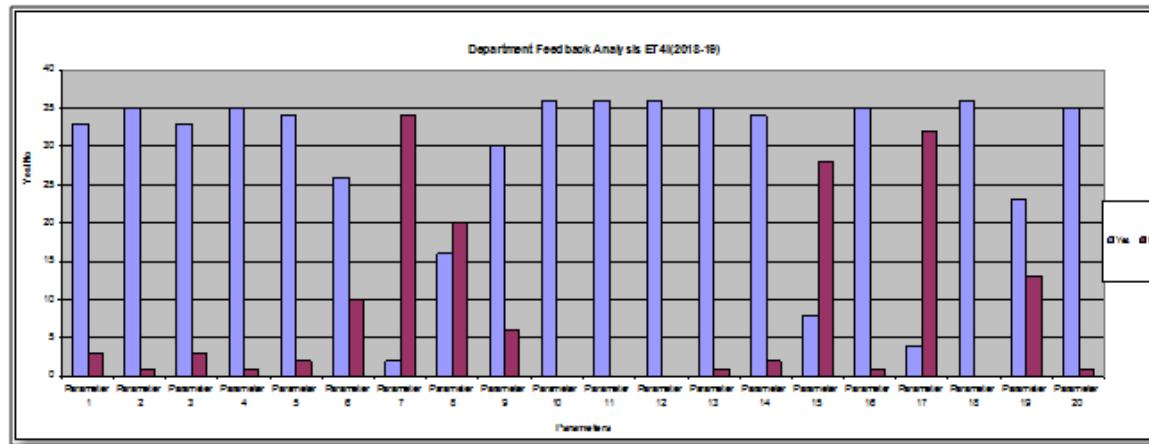
Date: 25 / 03 / 2019
 Roll No: 69

Signature of Student
 Name: *Jaydane / -S.L*

Image no. 2.2.1.17 Sample Department and Laboratory Feedback Form Filled by Student

		GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,LATUR																			
		Academic Year 2018-19(Even Semester) ET4I																			
Ex.No.		1 whether academic calendar of MSBTE is displayed before the starting of term.	2 Whether progress board are displayed on notice board within 15 working days of start of term by the head of institution.	3 Whether class test marks are displayed on notice board within 15 working days of start of term.	4 What is the duration of time for which the date of examination is displayed on notice board.	5 Whether students are debriefed for Project/Poster presentations.	6 Whether students are debriefed for Project/Poster presentations.	7 Whether Laboratory equipment is easily accessible to the students.	8 Whether Laboratory equipment is organized and utilized regularly.	9 Are we being Progressively assessed in teaching?	10 Do you know about the theory marks at the end of term?	11 Whether Theory classes are kept in teaching?	12 Whether Practical classes are conducted on regular basis?	13 Whether practical classes are conducted to cover curriculum?	14 Whether Power point presentation is conducted in teaching?	15 Whether individual assignments are conducted in teaching?	16 Whether Expert Lectures are arranged in Department?	17 Whether Technical workshops are arranged in Department?	18 Internships and placements are provided to the students.	19 Internships and placements facility provided to the students.	20 Overall satisfaction provided by the students.
1	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
2	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
3	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
4	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
5	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
6	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
7	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
8	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
9	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
10	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
11	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
12	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
13	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
14	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
15	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
16	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	No	No
17	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
18	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
19	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
20	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
21	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
22	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
23	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
24	Yes	Yes	No	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
25	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
26	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
27	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
28	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
29	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
30	No	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
31	No	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
32	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
33	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
34	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
35	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
36	Yes	No	Yes	No	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes

Image no. 2.2.1.18 Department Overall Feedback Table



Graph no. 2.2.1.3 Department Overall Feedback Graph

Action Taken on Feedback

Laboratory feedbacks are conveyed to laboratory in-charge faculties to reveal the status of laboratories and improvements are suggested by HOD if any. Yearly stock verification of the department laboratories is also performed at institute level. Also laboratory in-charge faculty does routine maintenance of laboratory equipments as per feedback suggestions, every year in summer vacation duration.

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

Institute Marks

13.00

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

Institute Marks

5.00

Under G scheme curriculum following process is adopted as per MSBTE norms CIAAN 2011 for conduction of progressive test

1. Two progressive tests each of 25 marks for all theory courses are conducted at department level. Using D6 Perform the sum of total progressive test marks of all courses converted out of 50 marks as sessional work (SW) entered in final mark sheet. Sample D6 is shown in Image. no. 2.2.2.3 for sample Proforma D6 - final assessment for sessional examination
2. Question papers for first progressive test are set on 40% of course contents and for second progressive test, question papers are set on 40% of remaining course contents. The theory End Semester Examination include left 20% course content as well as 80% course content covered in progressive tests. The question papers are designed as per structure given in curriculum, also taken care to ensure CO attainment while framing the questions. Question paper formats of G scheme is given Image no. 2.2.2.1
3. Referring the suggested specification table class test question papers of all courses are designed considering distribution of marks at Bloom's Taxonomy Levels R-Remember, U- Understand, A – Apply and above

Scheme - G Sample Test Paper-II	
Course Name : Electronics engineering group	
Course Code : ETEN/EVE/JDE/EDE/J	
Semester : Fifth	17536
Subject Title : Control system and PLC	
Marks : 25	Time: 1 hour
Instructions:	
1. All questions are compulsory.	
2. Illustrate your answers with neat sketches wherever necessary.	
3. Figures to the right indicate full marks.	
4. Assume suitable data if necessary.	
5. Preferably, write the answers in sequential order.	
Q1. Attempt any Three of the following	09 Marks
a)	
b)	
c)	
d)	
Q2. Attempt any two of the following	8 Marks
a)	
b)	
c)	
Q3. Attempt any two of the following	8 Marks
a)	
b)	
c)	

Image no. 2.2.2.1 Question papers format of G scheme

4. progressive test time table prepared by following the dates of MSBTE academic calendar and displayed on department notice board. Sample progressive test question papers are provided on MSBTE website for students.
5. Evaluation of the answer books of progressive test is done within ten days from conduction of test . Faculty members show assessed answer books of progressive test to students for feedback and any correction. General counselling is done in classroom for improvement in performance.
6. After correction suggested by students corrections are made in progressive test answer book, marks are displayed on notice board as well as marks record is maintained in department sessional register as shown in Image no. 2.2.2.2
7. Examination is not conducted separately in case of student is absent and for improvement of student performance

Roll No.	Enrollment No.	Exam Seat No.	Name of students	AMS (17381)	EIM (17317)		EEN (17318)		EDC (17319)		PDT (17320)		Total	Convict	Name of students	
					I	II	I	II	III	IV	V	VI				
81	1601360035	484953	Azym P.S.	95	15	11	15	16	19	19	18	13	13	156	82	Tejal
82	1601360037	484951	Bansode R.R.	17	12	12	10	11	13	08	11	13	09	122	25	Gaurav
83	1601360048	484951	Bodage S.K.	21	20	18	22	22	19	18	20	09	178	36	Savitri	
84	1601360164	484959	Bombade G.H.	25	22	14	16	22	19	15	15	11	17	174	85	Geetika
85	1601360285	484956	Bombade N.S.	18	21	08	17	14	17	16	13	12	16	152	31	Chaitali
86	1601360179	484959	Bhosale V.M.	21	20	08	16	13	19	14	07	11	08	136	28	Vanday
87	1601360013	484929	Chandurkar K.R.	18	20	12	13	17	13	08	12	09	19	136	28	Disha
88	1601360010	484932	Chaudhari N.U.	08	06	08	07	07	09	10	08	05	04	66	14	Aditi
89	1601360113	484937	Dholave K.V.	25	22	10	07	10	10	19	11	14	09	127	28	Deeksha
90	1601360291	484955	Dongre N.S.	22	12	10	18	10	15	13	11	06	06	122	25	Priyanka
91	1601360015	484930	Dharmal A.U.	18	06	06	16	03	09	08	08	15	07	91	19	Musumma
92	1601360035	484933	Dharmal S.B.	16	04	08	12	08	16	15	14	02	08	103	21	Arshma
93	1601360079	484954	Durgakar M.P.	25	21	14	12	20	19	19	12	14	14	169	34	Shivani
94	1601360045	484942	Guikwad M.V.	25	18	17	15	22	20	15	15	25	18	188	38	Sapna
95	1601360173	484968	Gumkhar S.M.	20	05	07	06	12	05	03	03	03	02	21	21	Shilpa
96	1601360222	484978	Gulkar T.J.	17	00	12	10	07	06	02	02	04	03	60	12	Shreya
97	1601360163	484963	Gumaldo K.C.	11	00	04	06	06	07	04	02	04	05	47	10	Yashoda
98	1601360072	484950	Gundade V.G.	17	20	23	20	15	16	18	16	20	15	181	37	Yashika
99	1601360184	484971	Ghogare R.R.	24	22	19	16	16	19	15	14	10	13	168	33	Rutuja
100	1601360167	484965	Ghogare S.S.	22	22	19	22	20	21	18	18	17	15	198	40	Sampatra
101	1601360065	484950	Giri A.S.	24	21	17	16	17	15	13	07	21	15	165	33	Shreya
102	1601360032	484959	Giri A.A.	19	16	12	17	11	16	14	08	16	10	141	29	Arshika
103	1601360273	484957	Gondwekar R.W.	22	19	14	10	21	20	18	14	20	12	170	34	Pranavi
104	1601360057	484947	Gore A.S.	19	10	03	08	04	05	02	03	21	05	80	16	Pranav
105	1601360191	484973	Hembale P.N.	22	23	08	08	09	11	15	19	10	11	136	28	Shreya
106	1601360158	484961	Jangamdale R.R.	21	08	16	11	13	19	14	10	08	10	130	26	Geetika
107	1601360019	484932	Jatal P.B.	07	03	13	10	03	06	02	02	02	04	53	11	Reema
108	1601360185	484972	Kekane S.S.	10	06	10	13	09	20	06	11	08	12	105	21	Sakshi
109	1601360023	484934	Kesarkar A.R.	21	12	11	17	06	11	08	14	21	13	134	27	Keshav
110	1601360092	484957	Lad D.D.	10	06	11	12	08	22	06	11	10	11	107	22	Hiru
111	1601360156	484960	Lobhe Y.N.	20	10	15	15	13	21	03	08	10	10	115	23	Vishal
112	1601360161	484952	Mati R.R.	20	20	17	20	24	22	16	21	22	206	42	Yashika	
113	1601360181	484970	Malkade S.V.	25	18	17	17	22	22	19	10	21	10	187	38	Pragya

Image no. 2.2.2.2 Progressive Test Register Record

Maharashtra State Board of Technical Education													
FINAL ASSESSMENT FOR SESSIONAL EXAM (WINTER-2016)													
Academic Year : 2016-17 Course & Code: ET5G Semester : FIFTH				Name of Faculty: Ms. S.H.Chincholkar Subject & Code: SW Marks : Max - 50 Min 0									
Roll No.	Enroll. Num	Name of Student	Exam Seat No.	CHN (17533)	MIC (17534)	DCO (17535)	CSP (17536)	AVE (17537)	TOTAL OUT OF (250)	CONVER TED TO (50)	STUDENT SIGNATU RE		
I	II	I	II	I	II	I	II	I					
1	1401360217	AKANGIRE PALLAVI DNYANOBA	545605	12	15	23	11	16	20	20	6	10	152
2	1501360285	ANCHULE YUGANDHARA ASHOK	545615	18	20	24	18	18	21	20	13	13	179
3	1501360284	BACHATE JYOTI NAGORAO	545614	23	25	25	22	23	23	20	16	16	216
4	1401360165	BANDAPALLE MAHADEVI BALAJI	545579	24	23	20	17	22	22	23	14	13	204
5	1501360286	BANSODE SUYARNA MALHARI	545616	16	20	22	16	12	17	21	16	12	169
6	1401360126	BARBOLÉ ANJALI BALAJI	545564	24	24	25	14	22	23	20	22	16	22
7	1401360125	BHAVARE SAPNA BALAJI	545563	8	12	18	5	9	11	19	15	3	4
8	1401360115	BHOSALE KAVITA GANPAT	545558	25	25	25	22	22	25	22	22	17	21
9	1401360205	BHOSALE PRIYA BALASAHEB	545597	24	21	25	15	21	20	21	18	15	14
10	1501360287	BHURE PRAGATI BALASAHEB	545617	19	17	20	11	13	19	21	16	9	9
11	1401360196	BHURE SHITAL ASHOK	545591	15	15	20	16	12	16	19	20	6	12
12	1401360207	BIRADAR PRANITA BALAJI	545599	25	19	25	13	21	23	21	19	18	10
13	1401360189	BIRADAR SHREYA DINKAR	545588	25	25	25	23	25	25	21	23	25	20
14	1401360149	BODAKE SHRADDHA SATISH	545573	22	21	23	19	21	22	25	23	16	19
15	1401360120	CHANDANE SUKESHN NI SUNIL	545560	24	24	25	21	20	21	24	12	12	13
16	1401360139	CHAVAN SAVITA BABU	545569	18	19	23	20	15	23	22	17	16	16
17	1401360229	CHINDE POOJA MAHADEV	545606	17	23	24	18	21	20	22	20	14	17
18	1401360188	DIXIT POOJA PANDURANG	545587	12	16	19	4	10	12	13	13	8	8
19	1501360288	GAIKWAD POOJA RAHUL	545618	20	20	22	7	16	20	21	18	11	12
20	1401360144	GANAPURE ANJALI RAMESH	545571	15	19	20	18	15	15	22	19	10	13

Image. no. 2.2.2.3 Sample Proforma D6 - Final Assessment for Sessional Examination

B. Question paper setting taking into account outcomes/learning levels (5)

Institute Marks

5.00

Question paper for first progressive tests is set on 40% of course contents from start of academic term and for second progressive test, question papers is set on 40% of remaining course content. The theory End Semester Examination includes left 20% course content as well as 80% course content covered in progressive tests. The question papers are designed as per examination scheme given in MSBTE curriculum, also taken care to ensure CO attainment while framing the questions. Progressive Test question papers are set by course teaching faculty. Sample progressive test question paper covering COs is shown in Image no. 2.2.2.4. Selected faculties appointed by MSBTE set the End Semester Examination question papers. MSBTE question paper setting norms follow Specification table as shown in Table no 2.2.2.1 for question paper design and cover all COs as shown in Image no. 2.2.2.6

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

Table no. 2.2.2.1 Sample Specification Table for Question Paper Design

Scheme - G Unit test-II	17536
Course Name : Electronics engineering group Course Code : ET/EN/EX/EJ/DE/ED/EJ Semester : Fifth Subject Title : Control system and PLC Marks : 20 Date and Time : 10/10/2018 11:00 am to 12:00 pm	
Instructions: 1. All questions are compulsory. 2. Illustrate your answers with neat sketches wherever necessary. 3. Figures to the right indicate full marks. 4. Assume suitable data if necessary. 5. Preferably, write the answers in sequential order.	
Q.1. Attempt any Three of the following (3x3=9)Marks CO covered 1. Write logical instructions used in PLC programming.(Any three) CO6 2. Enlist and write function of input devices used in PLC. (any three) CO5 3. Write specifications of discrete DC output module. (any three) CO6 4. State the need of PLC CO5	
Q2. Attempt any two of the following (2x4=8)Marks 1. Draw and describe analog input module block diagram. CO6 2. Draw the ladder program for following conditions CO6 a) When start button is pressed then both the lamps red and yellow will be ON b) When stop button is pressed then red lamp will immediately OFF but yellow lamp will OFF after 10 seconds. 3. Draw neat block diagram of the PLC and describe the function of each block. CO5	
Q3. Attempt any two of the following (2x4=8)Marks 1. Design a 4:1 multiplexer using ladder diagram. CO6 2. Describe sinking and sourcing concept in DC input module. CO6 3. Classify the PLC and describe any one type of PLC. CO5	

Image no. 2.2.2.4 Sample Progressive Test Question Paper

GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC, Latur SESSIONAL TEST 2017 - 2018 <small>(Main Answer book)</small>						
Name : Rehini Bhalchandra Awale Roll No. : 05 Date : 14 / 10 / 2017 No. of Supplements : 01 Institute Code No. : 136						
Class : E 1561 Subject : CSE <small>Signature of Invigilator</small>						
Q. No.	Q.1	Q.2	Q.3	Total Marks	Signature of Examiner	
Marks Obtained	09	08	07	24	Alka	
<small>(कृपा निर्वाचन करावा आवी)</small>						
Q. 1 i) NAND gate :- ii) NOR gate :- iii) NOT gate :- 						

Image no.2.2.2.5 Sample Progressive Test Answer Paper

- Instructions : (1) All Questions are compulsory.
 (2) Answer each new main Question on a new page.
 (3) Illustrate your answers with neat sketches wherever necessary.
 (4) Figures to the right indicate full marks.
 (5) Use of Non-programmable Electronic Pocket Calculator is permissible.
 (6) Mobile Phone, Paper and any other Electronic Communication devices are not permissible in Examination Hall.

CO covered || Marks

1. (A) Attempt any THREE : 12
 (a) Compare open loop and closed loop control system based on block diagram, transfer function, examples and stability. CO1
 (b) Describe role of PLC in automation. CO4
 (c) Draw labelled block diagram of Process Control System. Give classification of control actions. CO4
 (d) List standard test input signals. Give their laplace representation. CO1
 (B) Attempt any ONE : 6
 (a) Draw block diagram of AC input module of PLC. Describe function of each block. CO6
 [1 of 4] P.T.O.

17536 [2 of 4]

(a) Derive the transfer function of block diagram using block diagram reduction rules. CO1

Fig. No. - 1

2. Attempt any TWO : 16

(a) Determine the range of values of K for system to be stable whose characteristic equation is $s^4 + 2s^3 + 10s^2 + s + K = 0$. CO3

(b) For a system having closed loop transfer function $\frac{C(s)}{R(s)} = \frac{1}{s^2 + 4s + 18}$. CO2

Determine :

- (i) W_d – damped frequency of oscillations.
- (ii) Peak time
- (iii) % Peak overshoot
- (iv) Settling time

(c) Draw ladder diagram for following logical equations : CO6

- (i) $Y = AB + \bar{A}B$
- (ii) $Y = (\bar{A} + B)(A + \bar{B})$

3. Attempt any FOUR : 16

(a) Compare fixed and modular PLC. (any 4 points) CO5

(b) Draw responses of 2nd order system for step input for given values of zeta (ζ) : CO2

$\zeta = 0.5$ (a)	$\zeta = 0.707$ (b)
$\zeta = 1.0$ (c)	$\zeta = 1.414$ (d)

(c) Define transfer function. Obtain transfer function of R.C network. CO1

(d) Draw and explain memory organization in PLC. CO5

(e) Define 'ON-OFF' controller. Describe it's working principle using one example. CO4

17536 [3 of 4]

4. (A) Attempt any THREE : 12
 (a) Draw labelled block diagram of PLC. List any two output devices. CO5
 (b) Draw ON-Delay instruction format of PLC. Give significance of EN and DN bits. CO6
 (c) Draw electronic circuit diagram for PD controller. Describe why derivative controller not used alone. CO4
 (d) Define Servo-System. Draw block diagram of DC Serve-System. CO1
 (B) Attempt any ONE : 6
 (a) For system whose open loop transfer function is $G(s) H(s) = \frac{100}{s^2 (1 + 0.5s) (s + 2)}$. CO2

Determine :

- (i) Type of system
- (ii) Error constants K_p, K_i, K_d
- (iii) Steady state error for unit parabolic input.

(b) Draw ladder diagram to blink LED continuously for 60 times. LED should be ON for one second and OFF for one second. CO6

5. Attempt any FOUR : 16
 (a) Obtain stability of system whose characteristic equation is CO3
 (b) $s^5 + s^4 + 3s^3 + 9s^2 + 16s + 10 = 0$ use Routh's criterion. CO3

P.T.O.

17536 [4 of 4]

(c) Describe with neat diagram concept of sinking and sourcing in discrete input module. CO6

(d) Define following terms : CO2

- (i) Poles
- (ii) Zero's
- (iii) Order of system
- (iv) Characteristic equation

(e) State Routh's stability criterion. Explain with example.

(f) State and explain any four block diagram reduction rules.

(g) List data handling instructions of PLC. Describe any one in details.

6. Attempt any FOUR : 16

(a) Define following terms related to PLC (i) Scanning cycle (ii) Speed of execution CO5

(b) Compare Proportional and Integral control action on basis of (i) Response to error (ii) Output equation (iii) applications (iv) limitations. CO4

(c) Derive unit step response of 1st order system. CO1

(d) List comparison instruction of PLC. Describe any two with diagram. CO6

(e) Define : (i) Relative Stability (ii) Marginally Stable System. CO3

(f) Draw block diagram of power supply used in PLC. Describe function of each block. CO6

C. COs coverage in class test / mid-term tests and assignments (5)	Institute Marks
	3.00
<p>1. While designing the question paper for progressive test, care is taken to cover most of the COs as test is one of the essential tool for CO attainment.</p> <p>2. In some of courses teaching faculties give assignments to students to improve their learning skills and independent study techniques.</p>	
2.2.3 Quality of Experiments (15)	Institute Marks
	15.00
A. Experimental methodologies (5)	Institute Marks
	5.00

The autonomous body of Maharashtra State Board of Technical Education, Mumbai has designed laboratory manuals for most of the courses as per curriculum. Experiments are conducted in a group of 4 to 5 students. One batch of 25 students perform practical in a time slot. Conduction of experiment emphasises competency and practical skills along with relevance of experiment with POs, COs, PrOs, AdOs. Experiments include cognitive skills as identification by resources required, calculation, interpretation of result, motor skills like drawing circuit diagrams, graphs or phase diagrams,

handling and mounting of components, recording observed reading, following step wise procedure, Affective domain skills like team work, punctuality, safety precautions followed. Progressive assessment of students is done in proforma D3 . Laboratory manual, D3 proforma for progressive assessment of term work, specimen experiment literature developed by MSBTE are as shown in Image no. 2.2.3.1, Image no. 2.2.3.2, Image no. 2.2.3.3 respectively.

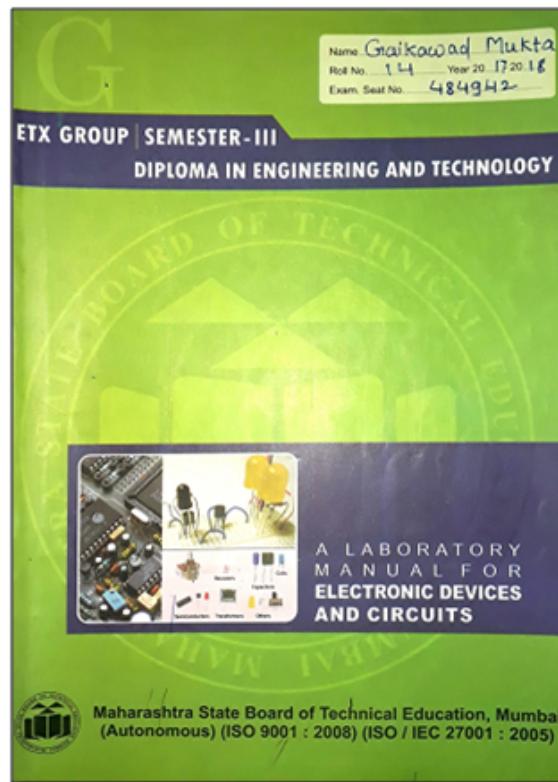


Image no. 2.2.3.1 Sample practical laboratory manuals

D-3

For AICTE Diploma Courses

With Effect From 2011-12

Maharashtra State Board of Technical Education

STUDENT'S PROGRESSIVE ASSESSMENT SHEET FOR TERM WORK (TW)

Academic Year : Name of Faculty :

Course & Code : Subject & Code :

Name of Candidate : Enr No : Roll No :

Semester : Marks :- Max Min

Sr No	Date of Expt	Name of Experiment/Assignment	Total out of (10) Per Expt	Dated sign of Teacher
1	2	3	4	5
2				
3				
4				
5				
6				
7				
8				
9				
10				
Total				
Mark: Out of (10 X No of Expt.)				

Signature of Student

Signature of Faculty

Note: 1) Any fractional marks should be rounded to next integer.
 2) While allotting the marks to the performed experiment/Assignment CPA should be considered.
 3) Marks to be transferred to Preference B-2

C : Cognitive - Contains Knowledge, Understanding, Retention parameters of the experiment etc. Weightage 4 marks. 2-3 related questions to be asked.

P : Psychomotor skills :- To draw, To fit, To perform etc. Weightage 4 marks. Observe hands on skills performance & risk question.

A : Affective Domain - Such as Punctuality, Timely submission, Neatness etc. Weightage 2 Marks.

* Not necessary for lab manual at first sheet of the lab manual has the same printed preference

Image no. 2.2.3.2 Progressive Assessment Sheet for Term Work

1.0 Title:

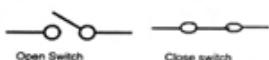
Plot switching characteristics of Bipolar Junction Transistor and determine rise time and fall time.

2.0 Prior Concepts:

- CB configuration
- CE Configuration
- Input output characteristics of both configuration

3.0 New Concepts:**Proposition 1:**

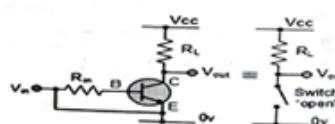
Switch is a device, which is used in series with the load and source to switch the power ON and OFF to the load. When the switch is in its closed position the current flows through the load because resistance of the switch contacts is very small. However when the switch is in open position, no current does not flow through the load because of the high resistance between the switch contacts.

Concept Structures:**Proposition 2:**

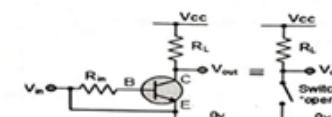
Transistor can be used as switch (ON and OFF) for this transistor need to biased in appropriate region i.e. cut-off and saturation region. In cut-off region it acts as OFF switch and in saturation region it acts as ON switch.

Proposition 3:

Here the operating conditions of the transistor are zero input base current (I_B), zero output collector current (I_C) and maximum collector voltage (V_{CE}) which results in a large depletion layer and no current flowing through the device. Therefore the transistor is switched "Fully-OFF".

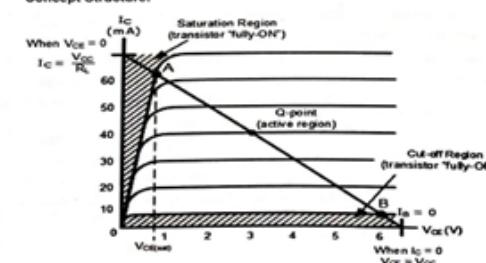
Concept Structures:**Proposition 4:**

Why here the transistor will be biased so that the maximum amount of base current is applied, resulting in maximum collector current resulting in the minimum collector emitter voltage drop which results in the depletion layer being as small as possible and maximum current flowing through the transistor. Therefore the transistor is switched "Fully-ON".

Concept Structures:**Proposition 5: The Transistor as a Switch**

The areas of operation for a transistor as a switch are known as the Saturation Region and the Cut-off Region. This means then that we can ignore the operating Q-point biasing and voltage divider circuitry required for amplification, and use the transistor as a switch by driving it back and forth between its "fully-OFF" (cut-off) and "fully-ON" (saturation) regions as shown below.

Point A shown in the characteristics called as saturation region acts as On switch and Point B shown in the characteristics called as cut-off region acts as OFF switch.

Concept Structure:

Switching characteristics of transistor in Common Emitter Configuration

Proposition 6:

- Switching Time – turn ON
 - Input voltage rises from 0 to V_1 ,
 - Base current rises to I_B ,
 - Collector current begins to rise after the delay time, t_d ,
 - Collector current rises to steady-state value I_{CQ} ,
 - This "rise time", t_r allows the Miller capacitance to charge to V_1 ,
 - turn on time, $t_{on} = t_d + t_r$,

Switching Time – turn OFF

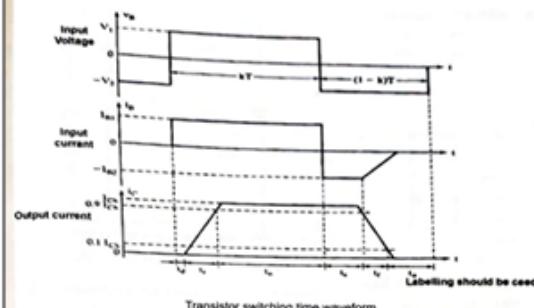
- Input voltage changes from V_1 to $-V_2$,
- Base current changes to $-I_B$,
- Base current remains at $-I_B$ until the Miller capacitance discharges to zero, storage time, t_s ,
- Base current falls to zero as Miller capacitance charges to $-V_2$, fall time, t_f ,
- turn off time, $t_{off} = t_s + t_f$,

Miller Capacitance

This capacitance must charge up to the base-emitter forward bias voltage, causing a delay time before collector current flows.

Concept Structures:

Where: t_d stands for - time delay,
 t_r stands for - rise time
 t_s stands for - on time
 t_f stands for - storage time
 t_{off} stands for- fall time
 t_o stands for - off time



Transistor switching time waveform

4.0 Learning Objectives**Intellectual skills:**

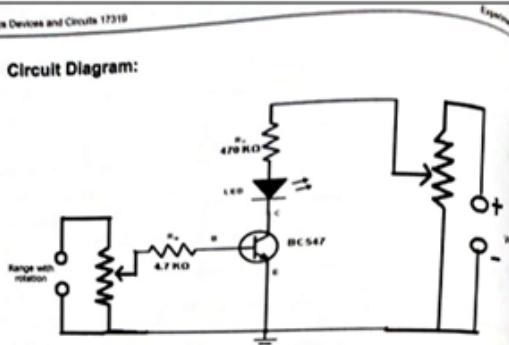
- Identify the components & equipments required.
- Understand the behavior of circuit from its characteristics.
- Identify the regions of operation where transistor acts as switch (ON and OFF).

Motor Skills

- Ability to make the connections as per circuit diagram.
- Ability to note down the readings.
- Ability to plot the graph from the reading.

5.0 Apparatus:

Transistor BC 547
 Regulated power supply (0-30V, 1A).
 square wave generator
 Voltmeter (0-1V) (0-10V)
 LED
 Resistor 470KΩ, 4.7KΩ
 Bread board
 Connecting wires

6.0 Circuit Diagram:**7.0 Stepwise Procedure:**

Switching characteristics

- Fix input base current I_b at constant value say at $10\mu A$
- Vary the output voltage, V_{ce} in steps of $1V$ from $0V$ up to $10V$
- Measure the voltage V_{ce} - using voltmeter and current I_c using the ammeter for different value of voltage
- Repeat above Step 2 and 3 for various value of $I_b = 10\mu A, 20\mu A$ and $30\mu A$
- Draw output characteristics from observation table

8.0 Observations:

Output characteristics:

Sr. No.	$I_b = 0\mu A$		$I_b = 10\mu A$	
	V_{ce} (V)	I_c (mA)	V_{ce} (V)	I_c (mA)
1	0	0	0	0
2	1	0	1	0.81
3	2	0	2	1.37
4	3	0	3	1.96
5	4	0	4	2.40
6	5	0	5	2.95
7	6	0	6	3.57
8	7	0	7	4.10
9	8	0	8	4.75
10	9	0	9	5.30
	10	0	10	6.82

9.0 Graph:

- Plot graph for input and output voltage and measure T_{on} and T_{off} .

10.0 Calculation:

- Calculate rise time

$$t_r = t_o - t_i$$

- Calculate fall time

$$t_f = t_a - t_s$$

11.0 Conclusion :

- In cut-off region transistor acts as **OFF switch**
(ON Switch/OFF switch)
- In saturation region transistor acts as **a N switch**
(ON Switch/OFF switch)

12.0 Questions for confirmation of learning:

- In which region transistor acts as OPEN switch?

(Space for writing answer)
In cutoff region transistor act as open switch.

- At which voltage transistor goes into cut-off region?

(Space for writing answer)
When $V_{ce} - V_{ce}$ cut off that vlg the transistor goes into cutoff region.

13.0 Student activity

- Calculate T_{on} time of Transistor

$$T_{on} = t_d + t_r$$

Where t_d : Time delay
 t_r - time rise.

- Calculate T_{off} time of Transistor

$$T_{off} = t_s + t_f$$

Where t_s = Stage time
 t_f - full time.

3. State application of Transistor as switch.

It is used in logic circuit
Temperature controller, DC meter
controller.

14.0 Questions

Write answers to Q. Q.

1. Why CE configuration is used for the switching characteristics of transistor?
2. Which regions in output characteristics are used to get switching action of transistor in configuration?
3. How ON time is calculated in switching characteristics of transistor?
4. How OFF time is calculated in switching characteristics of transistor?
5. Can transistor be used as switch? If yes, how?
6. Why is Common emitter configuration used for switching characteristics of transistor?
7. What is Miller effect? Explain.
8. Is it possible to test a transistor in your laboratory? If yes, how?

In order to operate the transistor as a switch we have to operate it in saturation region. In CB configuration, it is necessary to apply a negative V_{BE} (V_{CB}) to a N-P-N transistor so as to bias it in the saturation region more over the input current required to derive the transistor into saturation is high as for a transistor into saturation, CE configuration due to presence of RE, high base V_{BE} is required to forward bias the BE junction and as the collector is tied to V_{CC} configuration are normally not preferred when the transistor is to be used as a switch.

Active region in output characteristics are used to get switching action of transistor. In CE configuration on input characteristics are operated in saturation region and cut-off region.

a) condition of on time in switching calculated by characteristics of transistor.
 $T_{ON} = t_d + t_r$.

b) condition to calculate off time switching characteristics of a transistor as
 $T_{OFF} = t_s + t_F$.

c) Transistor is used as switch when it is operated in saturation, transistor acts as closed switch and in cut-off region transistor acts as open switch.

d) Common emitter configuration is used for switching characteristics of transistor because of that transistor is operated in saturation region and also it is operated in cut-off region.

e) We can test the transistor in our laboratory by the help of CRO (cathode Ray oscilloscope). Transistor has three terminals by taking two terminal we test the transistor.

C (4)	P (4)	A (2)	T (10)	Signature of Teacher
3	4	2	09	SA

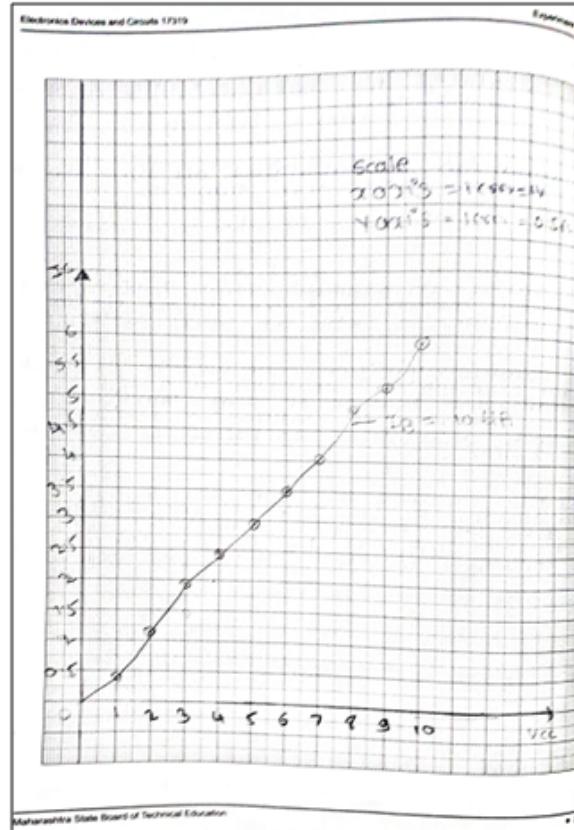


Image no.2.2.3.3 Experiment No-3 Assessed in Manual of course EDC

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

Institute Marks

5.00

The technical workshops of industry persons for hands on practical training and expert lectures of industry persons are organised at department level to provide knowledge of recent techniques used in industries like Arduino, IoT. This motivates students to implement recent technology in Capstone Project course at third year level.

Teaching and Examination Scheme:								
Teaching Scheme			Examination Scheme					
TH	TU	PR	PAPER HRS	TH	PR	OR	TW	TOTAL
03	--	02	03	100	50#	--	25@	175

Image no. 2.2.3.4 Sample Teaching and Examination Scheme having Theory, Practical and Term Work Assessment Heads

Most of the courses teaching and examination scheme include practical head which has assessment tools End Semester Practical/Oral Examination and Progressive Assessment based on manual experiment assessment. Each experiment related to POs, PSOs, COs, PrOs, AdOs.

After the completion of the laboratory experiments the students are able to :

1. Understand theory concept and implement to achieve desired results practically.
2. Apply the Program Outcomes (POs) as basic mathematics, science and discipline knowledge of engineering practices for recording observation, calculations.
3. Identify required resources for experiment.
4. Develop competency and practical skills.
5. Enhances Effective domain Outcomes (AdOs) to demonstrate working as leader/ a team member for completion of assigned responsibilities by following safe, ethical practices, sustainable development in social and environmental context and life long learning.
6. Achieve Practical Outcome (PROs) to communicate effectively about laboratory work both orally and while writing manual.

Above parameters gives relevance to POs, PSOs, COs, PrOs, AdOs addressed by specific course. Practical Course outcome matrix is also provided in laboratory manual for every course in I scheme curriculum. Mapping of experiments are done with the course outcomes. Image no. 2.2.3.5 shows sample course outcome matrix

Practical- Course Outcome matrix						
Course Outcomes (COs):						
Sr. No.	Practical Outcome	CO a.	CO b.	CO c.	CO d.	CO e.
1.	Test the performance of PN junction diode.	✓	-	-	-	-
2.	Test the performance of Zener diode.	✓	-	-	-	-
3.	Test the performance of photo diode by varying the light intensity as well as distance of the light source.	✓	-	-	-	-
4.	Build/test half wave rectifier on breadboard.	-	✓	-	-	-
5.	Build/test half wave rectifier on bread board with filter-Part I	-	✓	-	-	-
6.	Build/test half wave rectifier on bread board with filter- Part II	-	✓	-	-	-
7.	Build/test full wave rectifier on breadboard using two diodes-Part I	-	✓	-	-	-
8.	Build/test full wave rectifier on breadboard using two diodes-Part II	-	✓	-	-	-
9.	Build/test full wave bridge rectifier on breadboard.	-	✓	-	-	-
10.	Use LC with fullwave rectifier to measure ripple factor.	-	✓	-	-	-
11.	Use x filter with bridge rectifier to measure ripple factor.	-	✓	-	-	-
12.	Assemble positive clipper circuit on breadboard and test the performances.	✓	-	-	-	-
13.	Assemble Negative clipper circuit on breadboard and test the performances.	✓	-	-	-	-
14.	Build the combinational Clipper on breadboard and test the performance -Part I	✓	-	-	-	-
15.	Build the combinational Clipper on breadboard and test the performance -Part II	✓	-	-	-	-
16.	Build positive clammer on breadboard and test the performance -Part I	✓	-	-	-	-
17.	Build positive clammer on breadboard and test the performance -Part II	✓	-	-	-	-
18.	Build negative clammer on breadboard and test the performance.	✓	-	-	-	-

Maharashtra State Board of Technical Education

Image no. 2.2.3.5 Sample Course Outcome Matrix

2.2.4 Quality of Students Projects and Report Writing (35)

Institute Marks

35.00

A. Identification of projects and allocation methodology (3)

Institute Marks

3.00

Project work is completed in two phases. Phase I in fifth semester under course name EDP & Project (17066). Phase II in sixth semester under course name Industrial Project (17808)

Phase - I (Project Planning)

Phase I project work starts with formation of project groups of students choice. Student group and guide name list is displayed by project coordinator on notice board. Department keep project guide to student ratio 1:8 as per norms. Students propose different ideas for project to guide. The students perform the literature survey, market survey for availability of components, ICs and feasibility of the project and financial viability of the project. Then project is finalised by guide and HOD . Once project titles are identified by students, a synopsis is submitted to project guide and coordinator. For all

activities related to project, project coordinator takes approval from HOD and display notices time to time. Students present seminar of the project work done in fifth semester as project planning under phase I. Speciman project guide allotment notice is as shown in Image no. 2.2.4.1.

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT Academic Year 2019-20			
<u>CAPSTONE PROJECT GROUP AND GUIDE ALLOTMENT</u>			
Group No.	Name of The Student	Name of Project	Name of Guide Allotted
G1	More Pranita Vyankatraz Kore Rutuja Sonmath Sawalkar Priti Shatrughan More Pranita Vyankatraz	Smart Hall Automation Using Concept of Green Building	Dr.A.M. Agarkar
G2	Chaudhari Aishwariya Bharat Kendre Nandini Ramesh Pant Tanuja Yuraj Chaudhari Aishwariya Bharat	Air Pollution Monitoring System IOT Based	Mr.A.S. Laturkar
G3	Barmade Snehal Balaji Jadhav Payal Narhari Kawthale Pratiksha Pradip	Automatic Irrigation System.	Mr.I.S. Awale
G4	Mulla Tabsum Rajatab Raut Supriya Jilindar Ghogare Shubhangi Bhagwat	IoT Based Toll Booth Manager System.	DR. S.D. Yardi
G5	Kulkute Rutuja Shashikun Kawane Namrata Subhash Swami Pooja Swameshwar	Home Automation System Using Bluetooth Model	Mr.A.G. Badade
G6	Nakhatre Pratiksha Shivaji Thombare Nikita Santosh	Toxic Gas Detector Using GSM	Mrs.R.V. Mahagaonkar
G7	Shaikh Mehrum Gafur Sutar Shivani Balasaheb Jagtap Vaishnavi Madhav	Thumb and Key Password Security System	Mrs. S.H. Chincholkar
G8	Panchal Sanjivani Ganshar Kawathekar Abhilasha Pradeep Mahato Pooja Jitendra	Smart Energy Saving Using PIC Microcontroller	Mrs.S.A. Agarkar
G9	Bolange Geeta Venkat Jadhav Vaibhavi Hanmantrao Macipalle Sunita Madhav	Forward Reverse Speed Breaking System.	Mr.A.S. Bhandare
G10	Kulkarni Manisha Madhukar Kulkarni Mohini Dryneswar Panchal Vaishnavi Pandurang	Electronic Notice Board Using GSM System with LED	Mr.P.M. Kodale
G11	Dhotre Supriya Sanjay Harale Seetal Sanjiv Reddy Sanchita Shyameao	Automatic Charcoal Protector Form Rain Water and Fire Avoidance.	Mrs.A.P. Ghode
G12	Ghogare Neha Pawar Payal Rajebba Mirkar Vaishnavi Bavuraj	IOT Based Landslide Detector and Flood Detector	Mrs.A.P. Ghode
G13	Pawar Anjali Santosh Mengshetti Rudrayani Jeevan Jadhav Rohini Sanjay	IoT Based Smart Electronics Garbage Dustbin.	Mr.P.M. Kodale
G14	Mahadev Bhagyashri Bharat Suryawanshi Seetha Jananandan Zirmire Pallavi Pralhad	GSM Based Solar Pump.	Mr.A.S. Bhandare
G15	Bhokar Tejasvi Dhananjay Gawale Kanchan Mahadev Jadhav Dongare Pranit Dattatray	Acceleration Based Wireless Robotic Hand.	Mrs.S.A. Agarkar
G16	Kale Rupali Maruti Kumbhar Shraddha Dryanoba Pestdar Renuka Achyal	IoT Based Solar Power Monitoring System.	DR.S.D. Yardi


Mr.A.S. Laturkar
Head of Department

Image no. 2.2.4.1 Project Guide Allocation Notice

B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs (5)

Institute Marks

5.00

Project work teaches the students to work as a team, to work as a team leader, to plan properly and to co-ordination in work. They use basic program knowledge, learn to analyse problem, to develop solution for problem, to use software tools and new technologies such as Arduino , IoT. This shows relevance of the projects to contribute towards attainment of POs and PSOs. Table no. 2.2.4.1 shows classification of project s and their contribution towards POs and PSOs for projects of academic year 2019-2020.

Group No.	Classification of Project	Title of project	PO/PSO covered
G1	Production	Smart Hall Automation using Concept of Green Building	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G6		Toxic Gas Detector using GSM	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G7		Thumb and Key Password Security System	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G8		Smart Energy Saving using PIC Microcontroller	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G14		GSM Based Solar Pump	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G2	Application	Air Pollution Monitoring System IOT based	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G12		IOT Based Landslide Detector and Flood Detector	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G3		Automatic Irrigation System.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G4		IOT Based Toll Booth Manager System.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G16		IOT Based Solar Power Monitoring System.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2

G5	Home Automation System using Bluetooth Model	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G9	Forward Reverse Speed Breaking System.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G10	Electronic Notice Board using GSM System with LED Based.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G11	Automatic Charcoal Protector form Rain Water and Fire Avoidance.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G13	IOT Based Smart Electronics Garbage Dustbin.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2
G15	Acceleration Based Wireless Robotic Hand.	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO1,PSO2

Table no. 2.2.4.1

C. Process for monitoring and evaluation (5)

Institute Marks

5.00

Project work is carried out for fifth and sixth semester

Part I - Project work monitored for fifth semesters

1. Form project batches & allot project guide to each batch. (Max. 4 students per group)

2. Each project batch should select topic , work by consulting the guide or industry.

Topic should be approved by Head of Department.

3. Each project group should prepare action plan of project activities & submit the same as synopsis of the project to respective allotted guide.

4. Keep work record in daily dairy.

5. Present seminar on project work to guide.

Part II - Project work monitored for sixth semesters

1. Procure project components, test the components, build circuit on bread board and test the circuit for expected results.

2. Prepare PCB layout, mount components on it and test onboard circuit for expected results.

3. Trouble shoot circuit and make casing or cabinet.

4. Keep work record in daily dairy.

5. Prepare and submit project report following guidelines of project report given by department.

Evaluation is based on continuous assessment of project considering parameters such as finalization of project title, related literature survey , procurement of component, testing of components, assembly on bread board, making PCB, trouble shooting ,observations , results , their interpretation and analysis , maintain daily dairy showing work progress and punctuality.

D. Process to assess individual and team performance (5)

Institute Marks

5.00

Assessment for Phase I- Project Planning

Project is a team work, but assessment is done by considering individual and team performance. Table no 2.2.4.2 shows teaching and examination scheme for project assessment in fifth semester course EDP and Project

Teaching and Examination Scheme:

Teaching Scheme			Examination Scheme					
TH	TU	PR	PAPER HRS	TH	PR	OR	TW	TOTAL
01	--	02	--	--	--	--	25@	25

Table no. 2.2.4.2 Teaching and Examination Scheme ,Fifth Semester Course EDP and Project

Term work is assessed by considering individual and team performance parameters as follows

Parameters for Individual Assessment : Punctuality, individual contribution in project work, answer to questions, log – book maintenance.

Parameters for Team Work Assessment : Topic selection, working methodology ,work progress reporting to guide, synopsis submission, project presentation, report submission.

Phase - I project work is carried out under course Enterpreneurship Development and Project. Enterpreneurship Development term work marks and Project term work marks are added together and finally converted to 25. Image no. 2.2.4.2 shows term work assessment of project in fifth semester.

Project Presentation Assessment							
Academic Year 2016-2017							
Group No.	Name of student	Topic Selection (10)	Working methodology (Problem solving, action plan etc) (10)	Progressive Reporting (10)	Project Pesentation (10)	Report Submission (10)	Total (50)
G1	Birajdar Shreya	10	9	9	9	10	47
	Birajdar Pranita	10	9	7	8	10	44
G7	Jadhav Rajashree	10	9	8	7	10	44
	Rasure Aishwarya	10	9	9	10	10	48
	Sawant Anjali	10	9	8	8	10	45
G9	Rasure Pooja	10	9	9	10	10	48
	Panchal Mayuri	10	10	9	9	10	48
	Suryawanshi Radha	10	10	8	7	10	45
	Sutar Suchita	10	10	10	9	10	49


 Ms. S.H.Chincholkar
 Project Coordinator


 Mr. A.G.Badade
 Name and signature of guide

Image no. 2.2.4.2 Assessment for Term Work of Project Phase - I

Assessment for Phase II- Project Execution.

Phase II project work is carried out under course Industrial Project. Project work assessment heads are term work and external oral examination. Image no. 2.2.4.3 shows teaching and examination schemes for project assessment in sixth semester.

Teaching and Examination Scheme:

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

Image no. 2.2.4.3 Teaching and Examination Schemes for Project Assessment in Sixth Semester Under Course Industrial Project

Term work marks are given by consider individual and team work

Parameters for Individual Assessment : Punctuality, individual contribution in project execution , answer to queries, project presentation.

Parameters for Team Work Assessment : Work progress reporting to guide, quality of project, working of project ,project report submission.

Term work assessment is done considering parameters project working, project knowledge, answer to technical questions, project presentation, project report submission filled in proforma D4 as shown in Image no. 2.2.4.4

Final Assessment Form 2012-13 Maharashtra State Board of Technical Education FINAL ASSESSMENT FOR TERM WORK (TW) & SKILL TEST							
Academic Year 2016-17			Name of Faculty:				
Course & Code ET 6G		Subject & Code:		Semester : Sixth			
Roll No.	Enroll. Num.	Exam Seat No.	Name of Student	Experiment / Job / Assignment / Sheet / Activity of project / No. of Marks Out of 10 per experiment)	Total Marks Out of (50)	Marks of TW Out of (50) as Per T.E. scheme	Skill Test Marks (30)
1	2	3	4	5	6	7	8
61	1401360208	567429	SUKYAWANSHI KIRIBA SATISH	10 9 9 10 10	48	48	29
62	1401360154	567419	SUKYAWANSHI KIRIBA ASHOK	10 9 9 9 9	45	46	25
63	1401360137	567397	SUTAR SUCHITA NARAYAN	10 9 9 9 10	47	47	26
64	1401360228	567439	SWAMI RONUGA HULDAYNATH	10 9 9 9 9	47	47	27
65	1401360149	567409	TAMKULI SHAMIM BANSILAL	10 9 9 10 10	48	48	26
66	1401360158	567406	TAT PRATIKSHA KALYANRAO	10 8 8 9 10	45	45	26
67	1401360193	567418	WAGHMARE MONICA MOHAN	10 8 8 9 10	45	45	25
68	1401360114	567386	WARPE ASHTWINI VITTHAL	10 9 10 10 10	49	49	30

1. Dr. P.V. Rathod - *[Signature]*
 2. Mr. I.S. Awale - *[Signature]*
 3. Mr. A.G. Badade - *[Signature]*
 4. Mrs. S.H. Chincholkar - *[Signature]*
 5. R.V. Mahagonskar - *[Signature]*
 6. S.A. Agarkar - *[Signature]*
 7. A.S. Bhandare - *[Signature]*
 8. P.M. Kudale - *[Signature]*

Name Signature of Internal Faculty

Observer

HOD

Marking Scheme

- Project working
- Project knowledge
- Answers to technical questions
- Project presentation
- Project report

Image no. 2.2.4.4 Final Assessment for Term Work of Project Phase - II

End Semester Examination is oral examination conducted by MSBTE appointed external examiner. Parameters for external oral assessment are questions to each student, final copy of project report, project demonstration and presentation as a team. External oral marks and Skill Test marks are added together and converted into 50 marks, filled in Proforma D5 as shown in Image no. 2.2.4.5

Maharashtra State Board of Technical Education FINAL ASSESSMENT FOR PRACTICAL EXAM (EXTERNAL) <small>Note: Use all column Nos 1 to 5 & 7, 8,9 for OR/PR where there is only Internal Examiner Use column Nos 1 to 3, and 5, 6, 8,9 for OR/PR Project Online examination where there are Internal and External Examiner)</small>								D-5
Academic Year : 2016-17		Course & Code: ET6G		Name of Faculty: Dr. P. V. Rathod				
Semester : Sixth		Date of Exam : - 31/03/2017		Subject & Code: PRO (17008)				
						Marks : Max :-50 Min :-20		
Roll No.	Enroll. Num	Name of Student	Exam Seat No.	Marks of ** ST from D4(ST) Out of (20)	Marks Obtained in Oral Practical Exam Out of (70) for External Exam only	Total Marks Out of 100	Marks Obtained Out of Max. (50) As per T.E.	
1	1401360217	AKANGIRE PALLAVI DNYANOBA	567434	27	62	89	45	
2	1501360285	ANCHULE YUGANDHARA ASHOK	567444	28	64	92	46	
3	1501360284	BACHATE JVOTI NAGORAO	567443	28	66	94	47	
4	1401360165	BANDAPALLE MAHADEVI BALAJI	567408	28	68	96	48	
5	1501360246	BANSODE SUYARNA MALHARI	567445	26	67	93	47	
6	1401360126	BARBOLE ANJALI BALAJI	567393	28	68	96	48	
7	1401360125	BHAVARE SAPNA BALAJI	567392	26	64	90	45	
8	1401360115	BHOSALE KAVITA GANPAT	567387	29	66	95	48	
9	1401360205	BHOSALE PRIYA BALASAHEB	567426	27	67	94	47	
10	1501360287	BHURE PRAGATTI BALASAHEB	567446	27	65	92	46	
11	1401360196	BHURE SHITAL ASHOK	567420	27	66	93	47	
12	1401360207	BIRADAR PRANITA BALAJI	567428	26	68	94	47	
13	1401360189	BIRADAR SHREYA DINKAR	567417	29	67	96	48	
14	1401360149	BODAKE SHRADDHA SATISH	567402	28	67	95	48	
15	1401360120	CHANDANE SUKESHI SUNIL	567389	26	66	92	46	
16	1401360139	CHAVAN SAVITA BABU	567398	28	65	93	47	

Mr. S.G. Dhave
Name Sign External Examiner/Observer***

Dr. P.V. Rathod
Name Signature of Internal Examiner.

Image no. 2.2.4.5 Proforma D5, Final Assement for Oral Examination of Project Phase –II

E. Quality of deliverable, working prototypes (12)

Institute Marks

12.00

For V semester students prepare planning report/ synopsis and deliver seminar presentation of project work.

Project- Planning Report/Synopsis prototype

Certificate

Acknowledgement

Abstract

Content Page

Chapter 1- Introduction and background of industry or user based problem.

Chapter 2- Literature Survey for problem identification and specification.

Chapter 3- Proposed detailed methodology of solving identified problem with block diagram or circuit diagram of project and related charts, tables

references and bibliography.

For VI semester students prepare working model and final project report which is prepared by following guidelines given by project co-ordinator as shown in Image no. 2.2.4.6. Project report and Seminar/Synopsis guidelines may change if project co-ordinator appointed by department changes.

Image no. 2.2.4.7 shows specimen project report submitted by students to department.

Government Residential Women's Polytechnic, Latur

PROJECT REPORT GUIDELINES

1. SEQUENCE OF PROJECT REPORT DOCUMENT :

The sequence in which the project report material to be arranged and bound should be as follows:

1. Title Page
2. Certificate
3. Certificate of sponsorship (only if the project has been sponsored by Industry)
4. Acknowledgement
5. Abstract
6. Table of Contents
7. List of figures
8. List of tables
9. List of Symbols, Abbreviations and Nomenclatures
10. Chapters
11. Bibliography/References
12. Appendices

The tables and figures shall be introduced in the appropriate places in each chapter. Spelling to be British English.

2. PAGE DIMENSION AND BINDING SPECIFICATIONS :

The project report should be in A4 size, should be bound using Hard cover of thick paper with Black color. The cover should be printed in Golden letters.

3. FORMAT FOR THE REPORT DOCUMENT:

Cover Page & Title Page – A specimen copy of the Cover page and Title page of the project report is given in report format

Certificate – A Certificate is to be attached wherever the student has undertaken the project work in an external Institution / Organization.

Abstract – Abstract / Synopsis should be preferably of one page, typed with one and a half spacing, Font Style – Times News Roman and Font size – 12

Table of Contents – The table of contents should list all material following it. One and a half spacing should be adopted for typing the matter under this head.

Figures, Tables, Equations and Cross references-

The word 'table', means the tabulated numerical data in the body of the project report as well in the appendices. All other non-verbal materials used in the body of the project work and appendices such as charts, graphs, maps, photographs and diagrams may be named as figures. Below each figure, the figure number must be typed in bold with Times New Roman font and font size 12. Figure number is of three fields. In the first field, fig should be typed, second field indicates the chapter number and third field indicates the article number.

Eg:- Fig (3.2) represents third chapter , second article 2.

Table[3.2] represents third chapter second article

Equations- Standard mathematical symbols should be used and each equation used should be sequentially numbered in the same format as Fig/Table number. Equation number should be enclosed using small bracket.

Cross reference number should be enclosed in square bracket.

3.7 List of Symbols, Abbreviations and Nomenclature – One and a half spacing should

be adopted for typing the matter under this head. Standard symbols, abbreviations etc. should be used and arranged in alphabetical order, caps followed by small case

3.8 Chapters – Each chapters may be arranged sequentially in three parts, viz.,

- (i) Introductory chapter (ii) Chapters developing the main theme of the project work (iii) and Conclusions.

Each chapter on main theme of the project may be divided into several divisions and sub-divisions with proper numbering.

- Each chapter should be given an appropriate title.
- Tables and figures in a chapter should be numbered serially and placed preferably in the same page containing the description.
- Footnotes should be used sparingly. They should be typed in single space, font size – 10 and in italics and placed directly in the bottom of the page just above main footer information.

3.9 Appendices –Appendices should be numbered using Arabic numerals, e.g. Appendix 1, Appendix 2 etc

3.10 List of references – The listing of reference should be typed 4 spaces below the heading "REFERENCES " in the order in which the reference / bibliography appears in the text, single spacing ,left – justified. A typical illustrative list given below:

REFERENCES :

1. Microcontroller book name you have referred
2. www.howstuffworks.com
3. <http://www.nitnaik.com>
4. Papers referred

3.11 Number of pages and Number of Copies- Maximum number of pages of the report shall be around 80 pages and minimum shall be around 50 pages.

The number of copies of the project report to be made = A + B+C

A = No. of students In Group

B = 2 (1 for library , 1 Guide Copy)

C = Project Report (Department copy)

3.12 The report should not include the main code sheets/complete project circuit diagrams

However these details (code sheet and main circuit diagram) should be submitted in CD/DVD formats

4 TYPING INSTRUCTIONS:

The impression on the typed copies should be black in colour.

Paper: A4
Margins – left 4 cm, right 3 cm, top 3.5 cm and bottom 3 cm, with justification
Font: Times New Roman
Font Size for body text: 12
Line spacing: 1.5
Chapter Title Font size: 16(All Caps)
Sub title font size: 14
Header and Footer:
Top Left- Chapter Name
Top Right- Month & Year (March 2017)
Bottom Left- ET,GRWP,Latur
Bottom Right- Page No.
All graphs/diagrams and its axis names, legends should be readable.

Guide name

1. Dr. Prerana Vijaykumar Rathod
2. Mr. Indrajeet Shankarrao Awale
3. Mr. Anil Govindrao Badade
4. Mrs. Sheetal Harishchandra Chincholkar
5. Mrs. Renuka Vijaykumar Mahagaonkar
6. Mrs. Seema Ajay Agarkar
7. Mrs. Anita Subhash Bhandare
8. Mr. Pradeep Manikrao Kudale
9. Mr. Anita Pilaji Ghode

Image no.2.2.4.6 Project Report Guidelines

A PROJECT REPORT

ON :

"VOICE CONTROLLED ROBOTIC WHEELCHAIR USING BLUETOOTH MODULE AND
ANDROID"

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD
OF

DIPLOMA IN

ELECTRONICS AND COMMUNICATION ENGINEERING



SUBMITTED TO

MAHARSHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

SUBMITTED BY

NAME OF STUDENTS ENROLLMENT NO.

MS. BANSODE RAJNANDINI RAMLING	1601360017
MS. KESKAR AMRUTA RAJENDRA	1601360023
MS. SOLANKE SHWETA TANAJI	1601360049
MS. WAGHMARE SWAPNAJA PANDURANG	1601360195

GUIDED BY

Prof.Badade A.G.



GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,LATUR

2018-2019



GOVERNMENT RESIDENTIAL WOMENS POLYTECHNIC, LATUR

CERTIFICATE

This is to certify that the project report entitled "Voice Controlled Robotic Wheelchair using Bluetooth module and Android" was successfully completed by student of sixth semester Diploma in Electronics and Communication Engineering.

MS. BANSODE RAJNANDINI RAMLING

MS. KESKAR AMRUTA RAJENDRA

MS. SOLANKE SHWETA TANAJI

MS. WAGHMARE SWAPNAJA PANDURANG

In partial fulfillment of the requirements for the award of the Diploma in (Electronics and Communication Engineering Department) of Government Residential Women's Polytechnic, Latur.work carried out during a period for academic year 2018-2019 as per curriculum.

PROF. A.G. BADADE
GUIDE

PROF. A.S. LATURKAR
H.O.D.

EXTERNAL EXAMINER
DR. A.M. AGARKAR
PRINCIPAL

ACKNOWLEDGEMENT

This project is done as final year project titled "VOICE CONTROLLED ROBOTIC WHEELCHAIR USING BLUETOOTH MODULE AND ANDROID" in partial fulfillment of the requirements for the Diploma in Electronic and Communication Engineering.

We are really thankful to the principal Dr. A.M.Agarakar and the Head of Department Prof.A.S.Laturkar, Electronic and Communication Department, Government Residential Women's Polytechnic, Latur for their valuable guidance and assistance without which the accomplishments of the project would have never been possible.

We also thank Prof.A.G.Badade guiding and giving the opportunity to explore into the real world, realize the interrelation without which a project can never progress. We are greatful to parents, friends and staff of Electronic and Communication Engineering Department, for providing us relevant information, necessary clarification and great support.

NAME OF STUDENTS

BANSODE RAJNANDINI RAMLING
KESKAR AMRUTA RAJENDRA
SOLANKE SHWETA TANAJI
WAGHMARE SWAPNAJ PANDURANG

SIGN

CHAPTER I.....Page No.1

1.1 Introduction

CHAPTER IIPage No.2

2.1 Literature review

CHAPTER-IIIPage No.3

3.1 Block Diagram

3.2 Project Description

3.3 Procedure Adopted

CHAPTER IVPage No.7

4.1 Techniques adopted

4.1 Major Component Datasheet

CHAPTER V.....Page No.20

5.1 Performance Analysis

5.2 Circuit Diagram of System

5.3 Working of Circuit Diagram

CHAPTER VIPage No.23

6.1 Advantages

6.2 Application

6.3 Future Scope

6.4 Results

6.5 Reference

Image no.2.2.4.7 Project Report Submitted by Students

F. Papers published /Awards/ Recognition received by projects at State/ National level (5)

Institute Marks

5.00

Third year students complete the project work in sixth semester with working model. Department level third year project exhibition is organised every year. This encourages second and first year students to enhance their technical knowledge for new idea implementation and useful applications. Third year students are also motivated to participate in state/national level project competitions. Students were awarded, participated in different project events is honour for department. Table no. 2.2.4.3 shows details of project event participation and special achievements.

Academic Year	Project Title	Venue and Event	Level	Student name	Participation/ Achievements

2019-2020	Coal Stock Yard Monitoring and Protection System	DIPEX , Aurangabad Project Competition	State	1.Dhotre Supriya 2.Harale Sonali 3.Reddy Sanchita	Participation
2019-2020	GSM Based Solar Pump	DIPEX , Aurangabad Project Competition	State	1.Suryawanshi Sneha 2.Zirmire Pallavi 3.Mahake Bhagyashri	Participation
2019-2020	IoT based Solar Power Monitoring System	DIPEX , Aurangabad Project Competition	State	1.Potdar Renuka 2.Kumbhar Sharada 3.Kale Rupali	Participation
2019-2020	IoT based Toll Booth Manager System	DIPEX , Aurangabad Project Competition	State	1.Mulla Tabasum 2.Raut Supriya 3.Ghogre Shubhangi	Participation
2019-2020	IoT based Land Slider Detector and Flood Detector	DIPEX , Aurangabad Project Competition	State	1.Pawar Payal 2.Mitkari Vaishnavi 3.Ghogre Neha	Participation
2019-2020	Acceleration Based Wireless Robotic Hand	DIPEX , Aurangabad Project Competition	State	1.Gawale Kanchan 2.Bhorkar Tejasvi 3.Jadhav Dogre	Participation
2019-2020	Smart Hall Automation	DIPEX , Aurangabad Project Competition	State	1.More Pranita 2.Kore Rutuja 3.Savalkar Priti	Participation
2019-2020	Home Automation System using Bluetooth Model	SVERI COE, Pandharpur Project Competition	Inter-Institute	1.Kolkute Rutuja 2. Swami Pooja	Participation
2019-2020	Electronic Notice Board using GSM System with LED	SVERI COE, Pandharpur Project Competition	Inter-Institute	1.Kulkarni Mohini 2. Panchal Vaishnavi	Participation

2019-2020	IoT Based Toll Booth Manager System.	SVERI COE, Pandharpur Project Competition	Inter-Institute	1.Raut Supriya 2.Mulla Tabsum	Participation
2019-2020	IoT Based Landslide Detector and Flood Detector	SVERI COE, Pandharpur Project Competition	Inter-Institute	1.Pawar Payal 2.Ghogare Neha	Participation
2018-2019	Smart Helmet	Shri Tulaja Bhavani COE, Tuljapur , Project Exibition	National	1.Hadole Sanjivani	Winner
2018-2019	Open Green House Control System	Shri Shivaji Institute of Engineering and Management Studies, Parbhani Project Exibition	Inter-institute	1.Swami Swati 2.Kekan Suchita	Winner
2018-2019	Unmanned Military Robot	Shri Shivaji Institute of Engineering and Management Studies, Parbhani Project Exibition	Inter-institute	1.Tagare Priyanka 2.Waghmare Divya	Winner
2018-2019	Smart Helmet	SVERI COE, Pandharpur Project Competition	Inter-institute	1.Hadole Sanjivani	Second Prize
2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	Shri Tulaja Bhavani COE, Tuljapur , Project Exibition	National	1.Mugale Supriya	Runner
2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala Project Competition	Inter - Institute	1.Mugale Supriya	Runner

2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala Project Competition	Inter - Institute	1.Ghogre Swapnali	Runner
2018-2019	Unmanned Military Robot	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala Project Competition	Inter - Institute	1.Tagare Priyanka	Runner
2018-2019	Unmanned Military Robot	N B Navale Sinhgad COE, Kegaon-Solapur Project Exhibition	National	1.Tagare Priyanka	Runner
2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	N B Navale Sinhgad COE, Kegaon-Solapur Project Exhibition	National	1.Ghogre Swapnali	Runner
2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	N B Navale Sinhgad COE, Kegaon-Solapur Project Exhibition	National	1.Mugale Supriya 2.JangapalleRohini	Participation
2018-2019	Arduino Based Audio Notifying Blind Stick	N B Navale Sinhgad COE, Kegaon-Solapur Project Exhibition	National	1.Gatade Vaishnavi	Participation
2018-2019	Smart Helmet	N B Navale Sinhgad COE, Kegaon-Solapur Project Exhibition	National	1.Hadole Sanjivani	Participation
2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	Shri Tulaja Bhavani COE, Tuljapur , Project Exhibition	National	1.Ghogre Swapnali	Participation

2018-2019	Open Green House Control System	SVERI COE, Pandharpur Projet competition	Inter-institute	1.Swami Swati	Participation
2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	SVERI COE, Pandharpur Projet competition	Inter-institute	1.Ghogre Swapnali	Participation
2018-2019	Arduino Based Audio Notifying Blind Stick	SVERI COE, Pandharpur Projet competition	Inter-institute	1.Gatade Vaishnavi 2.Giri Ankita	Participation
2017-2018	RFID Passport Recognition System	Shri Tulaja Bhavani COE, Tuljapur Project Exibiction	National	1.Jadhav Shital	First Rank
2017-2018	RFID Passport Recognition System	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala Project Competition	National	1.Jadhav Shital 2.Aagre Shraddha 3.Awale Rohini 4.Khase Bhagyashri	Participation
2017-2018	Smart Home Automation System	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala Project Competition	National	1.Ambure Rasika 2.Andhale Meera 3.Jadhav Neha 4.Dige Pranita	Participation
2016-2017	Home Appliances Controlled by Human Voice Based on Android Mobile.	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala Project Competition	National	Bodake Shraddha Barbole Anjali	Participation

2016-2017	Wireless Electronic Voting Machine	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala Project Competition	National	Chinde Pooja Salunke Dipali	Participation
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Table no. 2.2.4.3 Project Event Participation and Special Achievements

2.2.5 Industry Interaction and Industry Internship/Training (30)	Institute Marks
	30.00

A. Industry supported Labs (2)	Institute Marks
	2.00

Industry supported laboratories are not available in institute. But industry interaction activities are organised by department for students. Industry person expert lectures, Industrial visits, Industrial training such activities strengthen the direct interaction of students with industries .Department has formed Memorandum of Understanding (MOU) with industries as shown in Table no. 2.2.5.1

Sr.No.	Name and Address of Industry	Activities under MOU	Date/Duration	MOU status
1	Shree Industries (Meridian Aqua) MIDC,Latur	Industrial Training conducted for students of fifth semester	Academic Year 2019-2020, 2018-2019	Active

2	Yashorath Electronics Systems PAP J54, J block,above Padmavati Steel,Near Malhar missal Bhasari, MIDC, Bhosari, Pune-411026	Industrial Training conducted for students of fifth semester	Academic Year 2019-2020, 2018-2019	Active
3	Shri Saibaba Green Power Private Limited Gondri (Lodga), Latur	Industrial visit of third/second year students	23/09/2019	Active
4	FAB India Automation C/O Cognitive IT Solutions, Preeti travels Office,Udyog Bhavan,Latur	Expert Lecture on "PLC and Industry Applications"	25/01/2020	Active
5	Hathway Latur MCN Cable and Docomo Private Limited, 1 st Floor ICICI Bank, Parijat building, Ausa Road, Latur	Industrial visit of third year students	08/02/2018	Active
6	Build My Project, 103, Nehate Niwas,Dr.R.P.Road, Dombiwali(East)-421201	1. Technical Workshop	1. 06/01/2020 to 07/01/2020	Active
7	Digital Art, Prakash nagar, Latur- 413531	1. Industrial Training conducted for students of fifth semester 2.Industrial visit	1. Academic Year 2018-2019 2. 02/09/2018	Active

Table no. 2.2.5.1 Memorandum of Understanding (MOU) with Industries

B. Delivery of appropriate Course work by Industry experts (5)

Institute Marks

5.00

Department and institute organises industry expert lectures for students. It avails opportunity for students to cop up with recent emerging technologies, to interact with industry experts. Following Table no. 2.2.5.2, Table no. 2.2.5.3, Table no. 2.2.5.4, Table no. 2.2.5.5 showss details of industry expert lectures for Academic Year 2019-2020, 2018-2019, 2017-2018, 2016-2017 respectively.

CAY: 2019-2020

Sr. No.	Expert Lecture Topic	Name and designation of Industry Expert	Date	No. of Beneficiaries
1	Computer Hardware & Networking	Mr. S.S.Bhandare Software Analyst, IT Orizon India Pvt.Ltd, Banglore	14/01/2020	67
2	Artificial Intelligence	Mr. Ishwar H. Chincholkar Software Engineer, Nuance Communication, Pune	05/10/2019	87
3	STEP 2020 Preparation	Mr.B. Ganesh Director, Thought works Technology Pvt.Ltd, Pune	24/09/2019	44
4	Optical Fiber Cable Installation and maintenance	Mr. Mahesh A. Chakote Junior Telcom Officer,WTR,Bharat Sanchar Nigam Limited,Latur	18/09/2019	87

Table no. 2.2.5.2 Industry Expert Lectures in Academic Year 2019-2020**CAYm1: 2018-19**

Sr. No.	Expert Lecture Topic	Name and designation of Industry Expert	Date	No. of Beneficiaries
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1	STEP 2019 Preparation	Mr. B. Ganesh Technology Pvt.Ltd, Pune	Director, Thought works 08/01/2019	42
2	Project report preparation for small scale Industries	Mr. P.N. Gudsukar	Atharwa Consultancy, Latur 11/09/2018	66
3	Logical Thinking Power	Mrs. V.B. Swami Pvt. Ltd, Latur	Director, Orange Software 26/07/2018	285
4	Tele Communication Technologies	Mr. Sandip S. Shastri Officer, Bharat Sanchar Nigam Limited,Latur	Junior Telcom 25/07/2018	109

Table no. 2.2.5.3 Industry Expert Lectures in Academic Year 2018-2019

CAYm2: 2017-18

Sr. No.	Name Of Workshop/Training	Name of Expert	Date	No. of Beneficiaries
1	Carrier Planning Programme	Mr.Devichand Kataria Management Services Pvt. Ltd, Pune.	Carrier Consultant, Seed 20/01/18	103
2	STEP for final year	Mr. B. Ganesh Technology Pvt.Ltd, Pune	Director, Thought works 09/01/2018	68
3	Energy Conservation Training Program	Mr. Kedar Khamitkar, MSECB, LATUR	25/09/2017	194

Table no. 2.2.5.4 Industry Expert Lectures in Academic Year 2017-2018

CAY m3: 2016-17

Sr. No.	Name Of Workshop/Training	Name of Expert	Date	No. of Beneficiaries
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1	Electricity Safety	Mr.B.A. Vasnik, Executive Engg, MAHADISCOM, Latur	16/01/2017	360
2	Embedded System and Applications	Mr.P.P.Ambekar, Director,AMB's-C-DSP,Aurangabad	19/09/2016	68

Table no. 2.2.5.5 Industry Expert Lectures in Academic Year 2016-2017



Image no. 2.2.5.1 Felicitation Industry Expert Mr. S. S. Shastri,

Junior Telcomm. Officer, BSNL, Latur.



Image no 2.2.5.2 Expert Lecture by Mr. I. H. Chincholkar

Software Engineer, Nuance Comm, Pune.



Image no. 2.2.5.3 Mr. Pratik Tirodkar CEO/ Founder, Build My Project, Dombiwali.

GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC, LATUR											
Department of Electronics and Communication Engineering											
ACADEMIC YEAR 2019-2020 (Final Semester)											
Feedback form											
Expert Lecture on topic : <u>Political Science</u> Date and Time: <u>07/02/2020</u>											
Please rate the following from 1 to 5 where 1=strongly disagree, 2=disagree, 3=neutral, 4=agree, 5=strongly agree											
Class: <u>3.3.5T</u>											
Rank No.	Name of student	The presenter was very organized	The presenter kept time with the time slot	The presenter was extremely well prepared	The presenter was responsive to questions	The presenter had good presentation skills (i.e., volume, tone)	The presenter had attention of the audience	The presenter's participant interaction was sufficient	The presentation was well related to the topic	This presentation was well suited to the audience	
1	DEEPAK RABBI	1	1	1	1	1	1	1	1	1	1
Suggestions/Comments:											
1. Good presentation											
2. Good presentation											
3. Good presentation											
4. Good presentation											
5. Good presentation											
Suggestions/Comments:											
1. Good presentation											
2. Good presentation											
3. Good presentation											
4. Good presentation											
5. Good presentation											
Suggestions/Comments:											
1. Good presentation											
2. Good presentation											
3. Good presentation											
4. Good presentation											
5. Good presentation											
Suggestions/Comments:											
1. Good presentation											
2. Good presentation											
3. Good presentation											
4. Good presentation											
5. Good presentation											

Image no. 2.2.5.4 Specimen Feedback Format for Expert Lecture

C. Industrial visits/tours for students (3)

Institute Marks

3.00

The industrial visits for students are organized by teaching faculties under different courses designed by MSBTE. Industrial visits contribute for the overall development and embedding the practical approach within students. The following is the list of industry visited during CAY, CAYm1,CAYm2, CAYm3

CAY: 2019-2020

Sr. No.	Name of Industry visited	Date of visit	Faculty Participated	Number of Beneficiaries
1	Arty OffSet, MIDC, latur	07/02/2020	Mr. A.S. Laturkar Chincholkar	Mrs. S.H. 55
2	Bharat Sanchar Nigam Ltd, Gandhi Chowk , Latur	05/10/2019	Mrs. A.S. Bhandare Mahagaonkar	Mrs. R.V. 55

3	Shri Sai Baba Green Power Ltd. (Solar Plant), Gondri, Tq- Ausa, Dist. Latur	23/09/2019	Mrs. R.V. Mahagaonkar Bhandare	Mrs. A.S.	55
4	A-Farm Harangul Bk., Latur	09/08/2019	Mrs. S.A. Agarkar Mrs. A.P. Ghode		47
5	Water purification Plant	07/08/2019	Mrs. S.A. Agarkar Mrs. R.V. Mahagaonkar		45
6	Sharma Telecom, Subhash Chowk, Latur	04/08/2019	Dr. S.D. Yardi Mr. P.M. Kudale		46

Table no. 2.2.5.6

CAYm1: 2018-2019

Sr. No.	Name of Industry visited	Date of visit	Faculty Participated	Number of Beneficiaries
1	Uma udyog Industries, M.I.D.C. Latur	26/09/2018	Mrs. R.V. Mahagoankar Mr. A.G Badade Mrs. A.S. Bhandare	55
2	High power TV Transmitter, Pimpala, Ambejogai	19/09/2018	Mrs. S.A. Agarkar Mr. A.G Badade Mr. P.M. Kudale	43
3	Digital Art, .Prakash nagar, Latur	21/09/2018	Dr. S.D. Yardi	68
4	Bharat Sanchar Nigam Ltd, Gandhi Chowk , Latur	01/09/2018	Mrs. S.H. Chincholkar Mrs. A.S. Bhandare Mrs. R.V. Mahagoankar	74

Table no. 2.2.5.7

CAYm2: 2017-2018

Sr. No.	Name of Industry visited	Date of visit	Faculty Participated	Number of Beneficiaries	
1	Latur Cable Network, Latur	08/02/2018	Mrs. S.H. Chincholkar Mr. I.S. Awale Mr. P.M. Kudale	65	
2	Uma Udyog, MIDC, Latur	08/02/2018	Mr. I.S. Awale Mrs. S.H. Chincholkar Mr. P.M. Kudale	65	
3	TV Receiving Centre, Osmanabad.	16/09/2017	Mrs. S.H. Chincholkar Agarkar	Mrs. S.A. Mr. P.M. Kudale	47
4	All India Radio, Osmanabad.	16/09/2017	Mrs. S.H. Chincholkar Agarkar	Mrs. S.A. Mr. P.M. Kudale	47
5	Sunrich Aqua Plant, MIDC , Latur.	07/09/2017	Mrs. S.H. Chincholkar Mr. P.M. Kudale Mrs. A.P. Ghode		67
6	Nana Gas Plant, MIDC, Latur	07/09/2017	Mrs. S.H. Chincholkar Kudale	Mr. P.M. Mrs. A.P. Ghode	67

Table no.2.2.5.8

CAYm3: 2016-17

Sr. No.	Name of Industry visited	Date of visit	Faculty Participated	Number of Beneficiaries
1	Lokmat Paper Agency, Latur.	20/02/2017	Mrs. S.A. Agarkar Mrs. A.P. Ghode	68
2	Malvadkar DE Ventura, MIDC, Latur	21/01/2017	Mrs. S.A. Agarkar Mrs. S.H. Chincholkar Mrs. A.S. Bhandare	68

3	Mahananda Doodh Dairy, Latur	21/01/2017	Mrs. S.A.Agarkar Mrs.S.H.Chincholkar Mrs. A.S.Bhandare	68
4	High Power TV Transmitter, Pimpala, Ambejogai	23/09/2016	Mr.A.G Badade Mrs. S.A.Agarkar Mrs. R.V.Mahagoankar Mr. P.M.Kudale	65
5	Sunrich Aqua, MIDC Latur	03/09/2016	Mrs. S.A.Agarkar Mrs. A.S.Bhandare Mr. P.M.Kudale	69

Table no. 2.2.5.9



Image no.2.2.5.5 Industrial Visit at Arty Offset Printers,
MIDC,Latur



Image no. 2.2.5.6 Industrial Visit at Shree Sai Baba Green
Power Lmt, Gondri,Tq-Ausa,Dist.Latur



Image no. 2.2.5.7 Industrial visit at High Power TV
Transmitter, Pimpala, Ambejogai.

INDUSTRY VISIT EVALUATION FORM						
Date of visit: 07 - 02 - 2020						
Name of Industry visited :-	ARTY OFFSET					
Industry location :-	MIDC Latur					
Name and designation of industry visit organizer :- Smt. S.H. Chincholkar, MAM						
Please respond to the following statements by using the five point rating scale to indicate the extent to which you agree/disagree or neutral with each statement. Please write and circle the number that applies.						
Strongly disagree-01 Disagree-02 Neutral-03 Agree-04 Strongly agree-05						
Sl No.	Content	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
1	Relevance of the industrial visits with respect to your curriculum					04
2	Able to relate the theory learned in the classroom to its application in the industry					05
3	Willingness to share information & details by the officials of the industry					04
4	Access to different facilities of interest to you - the most greater data and give proper clarifications					05
5	Overall usefulness of the interaction with the industry					04
6	Your recommendation for considering this organization for visit to industry next time/interaction in future					02
7	The Eco-industrial environment of industry is maintained					05
8	Adequate safety measures taken in the industry					04
9	Cleanliness of industry is maintained					04
10	Cooperativeness from industry person					05
My suggestions for the improvement of industrial visit in future						
Signature : Swapna U. Name & Sign. of Student: Swapna U. 5 - Engg. 2.0 Year/Branch: E.T. 6 T						

Image no. 2.2.5.8 Sample Industrial Visit Feedback Form

D. Industrial training/ internship (5)

Institute Marks

5.00

As per I scheme 5th semester curriculum Industrial training (ITR-22057) is included with 75 marks for external assessment and 75 marks for progressive assessment. First batch of Academic Year 2018-2019 has completed industrial training during summer vacation after fourth semester End Semester Examination. Teaching faculties are appointed as mentors maintaining 1:8 faculty and student ratio. Mentors search industries for the placement of industrial training. Industries are communicated through head of institute for 6 week industrial training program with certification. Mentor take care and follow up of smooth conduct of industrial training for students. Table no 2.2.2.10 shows industry placement and mentor allocation details for academic year 2018-2019

Students maintain daily diary of work progress in industries. Assessment is done by considering the marks given by industry and guide.

Roll No.	Name of Students	Name Of Industry	Mentor
1	Jadhav Rohini Sanjay	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	Mr. A.G. Badade

2	Kamble Sakshi Dagdu	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
3	Kale Rupali Maruti	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
4	Kumbhar Shradha Dnynoba	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
5	Panchal Shreya Jagannath	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
6	Potdar Renuks Achyut	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
7	Shaikh Shabnam Ismail	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
8	Kamble Swati Ramchandra	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
9	Chate Shradha Vyanket	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
10	Kawathekar Abhilasha Pradeep	Vikasratn Vilasrao Deshmukh Manjara Shetkari Sakhar Karkhana Ltd. , Latur	
11	Harale Sonali Sanjiv	Digital Art,Latur	Dr. S.D.Yardi
12	Mahake Bhagyashri Bharat	Digital Art,Latur	
13	Mitkari Vaishnavi Basvaraj	Digital Art,Latur	
14	Reddy Sanchita Shyamrao	Digital Art,Latur	
15	Zirmire Pallavi Pralhad	Digital Art,Latur	
16	Alte Mayuri Dattatraya	Digital Art,Latur	
17	Panchal Sanjivani Gangadhar	Digital Art,Latur	Mrs. A.P.Ghode
18	Panchal Ankita Ashok	Digital Art,Latur	
19	Kulkarni Manasi Madhukar	Yashorath Electronics,Pune	
20	Kulkarni Mohini Dnyaneshwar	Yashorath Electronics,Pune	
21	Mulla Tabsum Rajasab	Yashorath Electronics,Pune	
22	Panchal Vaishnavi Pandurang	Yashorath Electronics,Pune	

23	Pawar Payal Rajebhau	Yashorath Electronics,Pune	
24	Raut Supriya Jalindar	Yashorath Electronics,Pune	
25	Suryawanshi Sneha Janardan	Dr. RO Water Tech Pvt. Ltd, Pune	
26	Barmade Snehal Balaji	Indo German Tool Room, Aurangabad	
27	Choudhari Aishwarya Bharat	Indo German Tool Room, Aurangabad	
28	Dhotre Supriya Sanjay	Indo German Tool Room, Aurangabad	
29	Ghogre Neha Sandeepan	Indo German Tool Room, Aurangabad	
30	Jadhav Payal Narhari	Indo German Tool Room, Aurangabad	
31	Kavthale Pratiksha Pradip	Indo German Tool Room, Aurangabad	
32	Kendre Nandini Ramesh	Indo German Tool Room, Aurangabad	
33	Kore Rutuja Somnath	Indo German Tool Room, Aurangabad	
34	Mengshette Rudrayani Jeevan	Indo German Tool Room, Aurangabad	
35	More Pranita Vyankatrao	Indo German Tool Room, Aurangabad	
36	Patil Tanuja Yuvraj	Indo German Tool Room, Aurangabad	
37	Pawar Anjali Santosh	Indo German Tool Room, Aurangabad	Mrs. S.A. Agarkar
38	Jadhav Vaibhavi Hanmantrao	Indo German Tool Room, Aurangabad	And
39	Savalkar Priti Shatrughan	Indo German Tool Room, Aurangabad	Mr. P. M. Kudale
40	Swami Pooja Someshwar	Indo German Tool Room, Aurangabad	
41	Kaware Namrata Subhash	Indo German Tool Room, Aurangabad	
42	Kalkute Rutuja Shahu	Indo German Tool Room, Aurangabad	
43	Ghogare Shubhangi Bhagwat	Indo German Tool Room, Aurangabad	
44	Kamble Supriya Milind	Indo German Tool Room, Aurangabad	
45	Ade Vaishali Bhimrao	Institute of Satellite Training Center, Pune	Mrs. A. P. Ghode
46	Bhorkar Tejasvi Dhananjay	Institute of Satellite Training Center, Pune	
47	Bolange Geeta Venkat	Institute of Satellite Training Center, Pune	
48	Gawale Kanchan Mahadev	Institute of Satellite Training Center, Pune	
49	Jadhav Dongare Pranita Datta	Institute of Satellite Training Center, Pune	

50	Machpalle Sunita Madhav	Institute of Satellite Training Center, Pune	
51	Nakhate Pratiksha Shivaji	Institute of Satellite Training Center, Pune	
52	Shaikh Mehrum Gafur	Institute of Satellite Training Center, Pune	
53	Sutar Shivani Balasaheb	Institute of Satellite Training Center, Pune	
54	Jagtap Vaishnavi Madhavrao	Institute of Satellite Training Center, Pune	
55	Thombre Nikita Santosh	Institute of Satellite Training Center, Pune	
56	Favade Shweta Mallinath	Dr. Babasaheb AmbedkarSakhar Karkhana Ltd. Arvindnagar, Keshegaon, Tq. and Dist. Osmanabad	Mr. P. M. Kudale

Table no. 2.2.5.10 Indudstry Placement and Mentor Allocation for Academic Year 2018-2019

Industry Profile Registration										
Institute Code	0136									
Institute Name	GOVT. POLYTECHNIC WOMEN'S POLYTECHNIC, Latur									
Institute Address	Bareni, Road, Latur									
Name of Company	DIGITAL ART									
Address of Company	Prakash Nagar, Latur									
Email Address of Company	Prakashnagar@digitalart.com									
Contact Number of Company	9226769509									
Pin Code of Company	412512									
Location Details	Behind Govt. Vidya Mandir, Prakash Nagar, Latur									
Enter Area of Specialization of Company	Prakash Nagar									
Name of Contact Person	PRAKHANT PANCHAL									
Designation of Contact Person	OWNER									
Email of Contact Person	Prakashnagar@digitalart.com									
Contact Number of Contact Person	9225767509									
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	3000000000									
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									
Program	Civil Engineering Group	Mechanical Engineering Group	Electrical Engineering Group	Computer/IT Engineering Group	Electronic Engineering Group	Chemical Engineering Group	Metallurgical Engineering Group	Instrumentation Engineering Group	Other	Total
One	—									
Two	—									
Three	—									

DIGITAL ART
Prakash Nagar, Latur-412512

Seal & Signature of Industry Person

शासकीयनिवासीमहिलात्रिनिकेतन, नातूर
GOVT. RESI. WOMEN'S POLYTECHNIC,
BARSIRROAD, LATUR- 413 531
Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175
E-mail: office.grapatrat@deanpolytechnic.gov.in, 0136princip@msnbc.com,
DTE Code No.-2016 0136effton@msnbc.com MSTATE Code No.0136

NO GRWPIET/INDUS.TRA./2019
DATE-16/02/2019

To:
Mr HR Manager,
Digil Art,
Prakash Nagar, Latur

Subject: Placement for Industrial training of 6 weeks in your organization.
Reference: Your consent letter

Dear Madam,

With reference to the above letter we are honored to place the following students from our Institute for industrial training in your esteemed organization as per the arrangement arrived at.

Diploma programme in Electronics and Communication Engineering.

Sl. No.	Roll No.	Enrolment no.	Name of student	Faculty Mentor with Mobile No.
1	12	1701360224	HARALE SONALI SANJIV	Smt.Yardi S D 9819851259
2	28	1701360243	MAHAKE BHAGYASHRI BHARAT	
3	30	1701360245	MITKARI VAISHNAVI BASYARAJ	
4	41	1701360258	REDDY SANCHITA SHYAMRAO	
5	48	1701360265	ZIRMIRE PALLAVI PRALHAD	
6	51	1701360281	KAMBLE SUPRIYA MILIND	
7	52	1801360313	ALTE MAYURI DATTA TRAYA	
8	57	1801360271	PANCHAL SANJIVANI GANGADHAR	

Kindly do the needful and oblige.
Thank you,

Yours sincerely,
Dr. A. M. Agarkar
(Principal)

Image no. 2.2.5.9 Industry Profile of Digital Art, Latur

Image no. 2.2.5.10 Industrial Training Permission Letter

E. Post training/ internship Assessment (10)

Institute Marks

10.00

Students undergo 6 week industrial training to develop Soft Skills i.e. communication presentation etc. , Life Skills i.e. time management, safety, innovation, entrepreneurship, team building etc., Hands-on i.e. design ,implementation and quality assurance aspect and Industry Specific Tools e.g. value engineering six sigma and lean in students. The evaluation of industrial training will be on the basis of skills acquired by the student during this 6 week period.

Training Assessment is split into Progressive Assessment and End Semester Assessment.

Table - 1 Assessment Scheme for Industrial Training

Training duration	PROGRESSIVE ASSESSMENT <i>(Weekly report of all 6 week and attendance)</i>		END SEMESTER ASSESSMENT <i>(Report, Presentation and Viva)</i>		Total marks	
	Max. marks	Min. passing marks	Max. marks	Min. passing marks	Max. marks	Min. passing marks
Six weeks	#75	30	75**	30	150	60

Table no 2.2.5.11 Aessment Scheme for Industrial Training

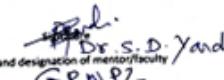
Progressive assessment is done by both mentor and industry supervisor . Industry supervisor consider parameters for assessment students are attendance, active participation, punctuality, rules , maintenance of weekly dairy and Log book, regulations and safety procedures followed. Mentor consider parameters for assessment students weekly reporting of work , attendance, training report submission, understanding level work performance. Image no. 2.2.5.11 shows format for progressive assessment of industrial training

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

Evaluation sheet of PA of industrial training
Format 4

Evaluation sheet of PA of industrial training
Name of company: Digital Art, Prakash Nagar, Latur.

Sr. No.	Enrollment No.	Student Name	Marks (5 marks for each week) by Mentor and & Industry supervisor jointly	PA marks by industry supervisor	PA marks by mentor faculty	Total marks	
			Out of 30 (A)	Out of 25 (B)	Out of 25 (C)	Out of 75 (A+B+C)	
1	F201360243	Mahade B.B.	11	12	21	16	60
2	F201360313	Alte N.D.	12	12	20	17	61
3		Panchal A.A.	11	12	22	18	63
4	F201360231	Panchal S.G.	12	10	21	17	60
5	F201360224	Harale S.S.	14	14	23	18	69
6	F201360245	Mitkari V.B.	13	13	23	17	66
7	F201360258	Reddy S.S.	14	13	24	19	70
8	F201360245	Zirmire P.P.	14	14	23	19	70



Dr. S.D. Yandur
GRNPZ

Name and designation of mentor/faculty



Shri. Prashant Panchal
Counselor
Digital Art, Latur.

Name and designation of supervisor

Image no. 2.2.5.11 Format4 for Progressive Assessment of Industrial Training

End semester assessment is done by mentor and industry supervisor. Image no. 2.2.5.12 shows format 5 for evaluation of end semester examination of industrial training.

Maharashtra State Board Of Technical Education,Mumbai

Format 5

Evaluation Sheet For ESE Of Industrial Training By Mentor and Industry Person

Name Of Student: Reddy Sanchita S. Enrollment No. 1701360258
 Name Of Programme: _____ Semester: 5th SEM
 Course Title:-Industrial Training Code: 22057
 Name Of Industry: Digital Art
 Course Outcome Achieved
 ① Prepare & present the report the work carried out.
 ② Exercise time management & safety in the work of environment.
 ③ Learn PCB making Assembly, Simulation, programming of Ic, Arduino , Robotics

Industrial Training Report(25 Marks)	Presentation (25 Marks)	Viva (25 Marks)	Total Marks (75 Marks)
23	23	24	70

Comment /Suggestions about team work/leadership/inter-personal communication(if any)
Need to improve programming skills

[Handwritten signatures]

Signature: Dr s D Yardi
 Name of Internal Mentor

Signature: WJ
 Name of External Examiner
 (Industry Person)

Image no. 2.2.5.12 Format 5 for Evaluation of End Semester Examination of Industrial Training.

F. Contribution to Community related projects/activities (5)

Institute Marks

5.00

Third year projects prepared by students are industry applications , product based as well as community applications based. These projects are useful for different community applications e.g. irrigation, physically challenged people. The details of the projects are shown in Table no 2.2.5.12

Academic year	Title of Project	Name of students	Guide
---------------	------------------	------------------	-------

2019-2020	Automatic Irrigation System.	1. Barmade Snehal Balaji 2. Jadhav Payal Narhari 3. Kawthale Pratiksha Pradip	Mr. I. S. Awale
2019-2020	IOT Based Landslide Detector and Flood Detector	1. Ghogare Neha 2. Pawar Payal Rajebhau 3. Mitkari Vaishnavi Basvaraj	Mrs. A. P. Ghode
2018-2019	Arduino Based Audi Notifying Blind Stick	1. Gatade Vaishnavi Guruling 2. Dange Nikita Anantrao 3. Shingare Pratiksha Suresh 4. Giri Ankita	Mr .I. S. Awale
2018-2019	Woman Safety and Health Monitoring System	1. Giri Anjali Shivaji 2. Loni Dhanashri Mahesh 3. Gaikwad Mukta Vitthal 4. Gade Sonam Sunil	Mrs. R.V. Mahagaonkar
2018-2019	Sign to Speech Converter for Deaf Person	1. Savat Minakshi Dagdusaheb 2. Gaikwad Supriya Manil 3. Vishwakarma Swati Kailash 4. Dhumal Swati Balaji	Mr. P. M. Kudale
2018-2019	Automatic Irrigation with Sun Tracking Solar Cell and Moisture Sensor	1. Jangapalle Rohini Kamlakar 2. Mugale Supriya Ramesh 3. Satpute Pratiksha 4. Waghmare Shradha Pradip	Mrs. A. S. Bhandare
2016-2017	Electronic Support System For Deaf And Dumb	1. Kenche Rutuja Rajkumar 2. Pentewar Shweta Shivkumar 3. Hulle Swati Malappa 4. Kale Aishwarya Ashok	Dr. P.V. Rathod
2016-2017	Safety Guard For Blind	1. Kale Jaya Govind	Mrs. A.S. Bhandare

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

Institute Marks

15.00

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

Institute Marks

10.00

Institute and department level facilities provided to students are follows

1. Website : Institute website avail information to students and different stake holders by keeping updated time to time. Also MSBTE website is used by students to refer previous End Semester Examination question papers, question paper solutions after the conduction of ESE. Sample Progressive Test question papers and Sample ESE question papers are available in PDF format for students on website. Many websites are suggested by MSBTE in curriculum for technical study in depth related to course content.
2. Institute and Department Library : Institute has well equipped separate Library building. Books of different courses are issued to students in weekly circulation. Del-net software used by library. Technical magazines ,journals are available in institute library. Also departmental library is maintained with course books, equipment manuals, data sheet books, small project books, old project reports etc.
3. DVDs/Hard disk/Transparancies : Department has two LCD projectors and two OHP set. Faculty use self made Power Point Presentations for effective teaching in classroom. These PPTs of different courses are recored in DVDs. NPTEL video lectures are shown to students which are available in department hard disk. Printed and self made transparencies are also used for class room teaching. During lock down period of COVID -19 about 20% curriculum was completed by using ICT tools .The third party expert video lectures available online were shared to students.
4. Free Softwares :Special programming courses are included in curriculum .License copy of softwares required for conduction of programming practicals are not available in department such as Turbo C, Matlab etc. Free virsions of softwares are used for students.
5. Online Digital Class Room and Media Room : Online spoken tutorials and lectures are shown to students. Expert lectures are organized having power point presentations. Such activities are conducted in Online Digital Class Room and Media Room.
6. PCB Development Dark Room: Micro projects and Major projects are integral part of program curriculum. PCB development dark room is available to students to design PCB layout of circuits required for their project work.
7. Model and Charts Kept in Laboratories : To make practical work more interesting for students different charts are available in related laboratories of department.
8. Computer Spares and Old Trainer Kits Hardware : Computer spare hardwares and trainer kits are required for conduction of practical in courses like Computer Hardware & Networking (CHN), Electronic Instrumentation & Measurement (EIM) which are provided in department laboratories.

Students are motivated to self learning mode and register Swayam portal for certification courses.

B. Student Centric Learning Initiatives & Effective Implementation (5)

Institute Marks

5.00

Students are motivated for co-curricular activities by faculty. Table no 2.2.6.1 shows details of online quiz, webinars, moc test, practice test participated during lockdown period of COVID-19

Sr. No	Name of Student	Type of Competition	Organizer	Date	F
1	Bhorkar Tejasvi Dhanjay	Management Practice Test1	Samartha Polytechnic,Belhe	05/09/2020	
2	Bhorkar Tejasvi Dhanjay	Management Practice Test2	Samartha Polytechnic,Belhe	05/10/2020	
3	Bhorkar Tejasvi Dhanjay	Online Mock Test on "Emerging trends in Electronics"	Government Residential Women's Polytechnic, Tasgaon	28/04/2020	
4	Bhorkar Tejasvi Dhanjay	Quiz Competition on "Entrepreneurship Development"	Government Polytechnic,sakoli	05/01/2020	
5	Bhorkar Tejasvi Dhanjay	Online Mock Test on "Management"	Government Residential Women's Polytechnic, Tasgaon	28/04/2020	
6	Chaudhari Aishwarya Bharat	Online Practice Test on "Emerging trends in Electronics"	Rajarshi Shahu College of Engineering Polytechnic,Tathawade, Pune	22/05/2020	
7	Chaudhari Aishwarya Bharat	Quiz Competition on "Entrepreneurship Development"	Government Polytechnic,sakoli	05/01/2020	
8	Chaudhari Aishwarya Bharat	Quiz Competition on "Entrepreneurship Development"	Government Polytechnic,Jalana	05/11/2020	
9	Waychole Vaishnavi Nagnath	Poster presentation Online State level	Government Polytechnic,Ambad	19/05/2020	Pa
10	Waychole Vaishnavi Nagnath	Webinar on 8051 Simulator Android App Demonstration	Government Polytechnic,Jintur	30/05/2020	Pa
11	Kulkarni Manasi Madhukar	Vaagdevi Engg. College, Bolikunta,Telangana	Webinar	16/05/2020	Pa
12	Mitkari Vaishnavi Basavraj	Microprocessor Awareness quiz	N.B.Nawle Sinhgad COE,Solapur	20/05/2020	
13	Mitkari Vaishnavi Basvaraj	Awareness Campaign About Covid-19 online Quiz	AISSM COE, Pune	03/05/2020	E
14	Yelgunde Pratibha Sanjay	Online poster presentation	Government polytechnic Aurangabad	25/04/2020 -30/04/2020	Pa

Table no. 2.2.6.1

Following images gives evidence of students participation in online activities.



Image no. 2.2.6.1 Participation Certificate of Webinar

By Kulkarni Manasi Madhukar



Image no. 2.2.6.2 Participation Certificate of Online Quiz

by Mitkari Vaishnavi Basvaraj



Image no. 2.2.6.3 Hand Made Poster Made by

Yelgunde Pratibha Sanjay on Topic



Image no. 2.2.6.4 Participation Certificate of Social Awareness

Campaign About Covid-19 Quiz by

Mitkari Vaishnavi Basvaraj

2.2.7 New Initiatives for embedding Professional Skills (15)

Institute Marks

15.00

A. Employability skill enhancement Initiatives and effective implementation (8)

Institute Marks

8.00

1. Technical Skill Enhancement Program

Department organise different technical skill enhancement program for students. Such programs include technical workshop, technical quiz competition, poster competition. The programs are supervised by the department co-ordinator. Table no. 2.2.7.1 shows details of technical skill enhancement program

Academic Year	Event	Date/ Duration	Topic/Title	Conducting Authority	No. of Beneficiaries
2019-2020	Workshop	06/01/2020 to 07/01/2020	Internet of Things using Arduino	Technically organized by IIT, Bombay	113
2019-2020	Workshop	02/10/2019	Student Solar Ambassador	GRWP, Latur in association with GGSY-SSA IIT, Pawai	49
2019-2020	Quiz Competition	25/09/2019	Technical Quiz	GRWP, Latur ET Department	32
2019-2020	Poster Presentation	21/09/2019	Solar Energy Source	GRWP, Latur ET Department	130

2019-2020	Workshop	16/09/2019 to 17/09/2019	Advanced Communication Technique	Mr. M. S. Mathapati Asst. Professor, SVERI's COE, Pandharpur	46
2018-2019	Workshop	29/01/2019 to 30/01/2019	Advance Communication System	Mr. M.S. Mathapati Asst. Professor, SVERI's COE, Pandharpur	67
2017-2018	Workshop	23/01/2018 to 24/01/2018	Arduino and Hands on Experiment	Prof. H.K.Bhaldar, Prof. M.S. Mathpati, Miss. D. Pujari, Miss. S.N. Dhotre, Miss, A. Birajdar Assistant Professor, SVERI COE, Pandharpur	56
2017-2018	Workshop	20/01/2018	Career Planning	GRWP Latur in association with Seed Management Services, Pune	68
2016-2017	Quiz Competition	18/03/2017	Technical Quiz	GRWP Latur Department ET	60
2016-2017	Workshop	30/01/2017 to 01/02/2017	Mobile Trouble Shooting	Mr.A.J.Shaikh Mr.J.J. Shaikh Proprietor,AJS Mobile Shop, 5 no. Chowk, Latur	64

Table no 2.2.7.1 Employability skill enhancement Initiatives Details



Image no. 2.2.7.1 Student Solar Ambassador Workshop

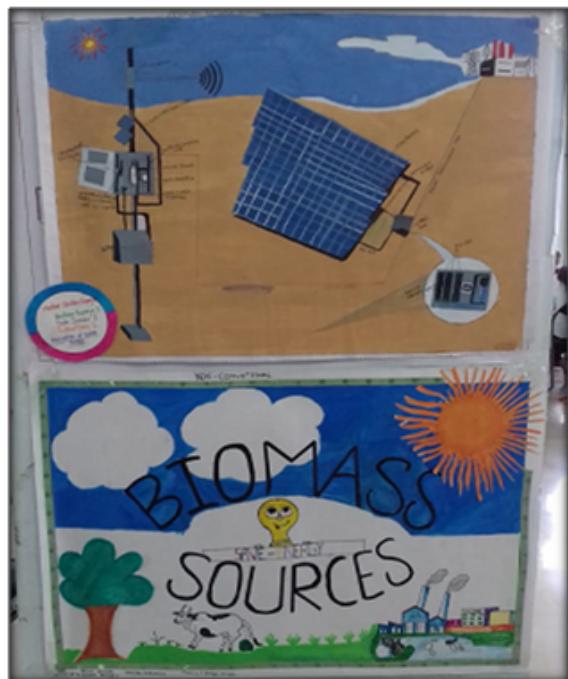


Image no. 2.2.7.2 Poster Presentation on "Solar Energy Source"

GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC, BARSHI ROAD, Latur 413512
Phone No.: (02362) 221184, Fax: (02362) 221175
Email: gwpw_lr@rediffmail.com

Workshop Evaluation Form Date:

Workshop Title: IOT Using Arduino
Workshop Location: Electronics Department at Latur GRMIP
Name and designation of Presenter(s): Shri. Pratik Tawdekar, smt. Shreethi Parmar.

Please respond to the following statements by using the 5 point rating scale to indicate the extent to which you agree/disagree or neutral with each statement. Please circle the number that applies.

Content	Strongly disagree-1	Disagree-2	Neutral-3	Agree-4	Strongly agree-5
1. Workshop objectives were stated clearly and well.					✓
2. The workshop helped me to increased my knowledge and skills				✓	
3. The workshop was well organized					✓
4. The information and/or skills were relevant and useful				✓	
5. Useful Visual Aids and Handouts			✓		
6. The individual Hands-on activity were sufficient to achieve the objectives of workshop	✓		✓		
7. The presenter was well prepared			✓		
8. The presenter had good presentation skills and style (volume, tone)			✓		
9. The presenter was responsive to questions			✓		
10. The presenter held attention of the audience			✓		

Any suggestions for the improvement of workshop and content of workshop in future.....
Key note ➤ Provide individual circuit kit to each Students.

Sign and name of Student: Akilesh Tanuja D. Roll no. _____ Year/Batch: ET4T
[Signature]

Image no. 2.2.7.3 Sample Workshop Feedback Form

2. Entrepreneurship Awareness Program

To enhance entrepreneur qualities in the students Entrepreneurship Development/Awareness Program is conducted for the final year students. Following Table no. 2.2.7.2 shows activities conducted under entrepreneurship awareness program

Sr.No.	Name of Activity Conducted	Name of experts	Duration	No. of Beneficiary
1	Entrepreneurship Awareness Programs.	Mr. Balaji Birajdar Manager,District Entrepreneurship,Center,Latur Mr. N.M. Bhosale Project officer Mr. R.D. Jogdand Mr.S.J.Sundar, Expert Guide	21/01/2019 to 23/01/2019	109
2	Entrepreneurship Development Programs.	Mr. N.M. Bhosale Project officer,MCED,Latur Mr. Dayama Mr.S.J.Sundar, Expert Guide Ms Dipali Rasawe, MIDC, Divisional Manager,Latur	18/01/2018 to 20/01/2018	78
3	Programme on Career Opportunities	Dr.S.G.Kahalekar, Professor, S.G.G.S. Institute Of Engineering And Technology, Nanded	23/02/2018	115

4	Entrepreneurship Development Program	Mr. N.M. Bhosale Project officer,MCED,Latur Mr. R.D. Jogdand Mr. D. Deshmukh Mr.S.J.Sundar, Expert Guide	06/01/2017 to 08/01/2017	45
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Table no. 2.2.7.2

B. Personality development related Initiatives & effective implementation (7)

Institute Marks

7.00

Most of the students in institute are from rural area, they need to take care of personality development to be in the race of corporate sector. Institute organise activities to improve their communication skills, presentation skills, stage courage, physical and mental health, corporate etiquettes. Since institute is women's special case institute woman empowerment programs are also organised . The details of activities for personality development are shown in Table no.2.2.7.3

Sr. No.	Name of the Activity	Date / Duration	Conducting Authority	No. of Beneficiaries
1	Health Camp	05/03/2020	Shreyas Rotary Club Doctors Team, Latur	500
2	International Karate :Phase-II	08/02/2020 to 17/02/2020	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association	130
3	Speech Competition on Topic "Electro Literacy and Awareness Program"	10/02/2020	GRWP,Latur in Association with Collector Office, Latur	12
4	Essay Writing Competition on Topic "Electro Literacy and Awareness Program"	07/02/2020	GRWP,Latur in Association with Collector Office, Latur	15

5	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
6	Expert Lecture on "Woman Empowerment "	06/01/2020	Mrs. B.S.Wadkar and Mrs. Dandime Cyber Crime Trainer, Latur	600
7	International Karate :Phase-I	13/12/2019 to 22/12/2019	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association	130
8	Expert Lecture on " Woman Violence Act "	07/01/2019	Mrs. Ujjvala R..Diwan Police Training Centre, Babhalgaon, Latur	90
9	International Karate :Phase-I	20/09/2018 to 26/09/2018	Shri.Datta Kadam, Pravin Kamble International Japan Karate Association	350
10	Pranayam and Yoga	06/09/2018 to 07/09/2018	Mr. Mundhe Vankat B. Yoga Teacher,Patanjali Yog Peeth, QCI level 2,Latur	400
11	Expert Lecture on "Logical Thinking Power "	26/07/2018	Mrs. V.B. Swami Director, Orange Software Pvt. Ltd, Latur	285
12	Expert Lecture on "Motivation and Time Management "	05/07/2018	Mr. R.A.Kulkarni, Lecturer in Mechanical Engg. Govt. Resi. Women's Polytechnic, Tasgaon	200
13	Expert Lecture on "Woman Empowerment "	01/07/2019	Mrs. B.S.Wadkar and Mrs. Dandime Cyber Crime Trainer, Latur	700
14	Programme on Career Opportunities	23/02/2018	Dr.S.G.Kahalekar, Professor, S.G.G.S. Institute Of Engineering And Technology, Nanded	107

15	Health Camp	05/01/2018	Shreyas Rotary Club , team, Latur	500
16	Communication Skill Development Programme	06/09/2017	Mr. Sacchidananda Dhage, Mr. Vivekanand Dhage	104
17	Yoga Shibir	01/08/2017 to 08/08/2017	Mr. Vyankat Shinde,Executive Engg. BSNL,Latur	40
18	Expert Lecture on “Cyber Crime and Women Violence ”	04/01/2017	Mrs. B.S.Wadkar and Mr.Amar Shinde, Cyber Crime Trainer, Latur Organized by Jagruti Mahila Mandal,Latur	380
19	“ Haluwar Ya Vayashi Julun Ghetana” Program	01/10/2016	Dr. Meera Nagaonkar, Dr. Leela Karva, Mrs. Anagha Andhorikar, Mrs. Uma Vyas	670
20	Expert Lecture on “Importance of Verbal Communication Skills in Corporate Sector ”	02/09/2016	Prof. D.W. Arya, S.R.T. College, Ambejogai.	310

Table no. 2.2.7.3 Activities conducted for Personality Development



Image no 2.2.7.1 Expert Lecture on “Motivation
and Time Management ” by Mr. R.A.Kulkarni.



**Image no. 2.2.7.2 “ Haluwar Ya Vayashi Julun
Ghetana” Program**



Image no. 2.2.7.3 Pranayam and Yoga by Patanjali Yog Peeth,,Latur

2.2.8 Co-curricular & Extra Curricular Activities (10)

Institute Marks

10.00

Overall development of students in aspect of social, cultural, professional institute organises events for students .Students are motivated and guided to participate co-curricular & extra-curricular activities in other institutes. Students are provided platform for all round developement by following ways

1. Various activities are organized under ISTE student chapters and hostel being women's residential institute .
2. The institute has gymkhana which organizes cultural events, expert sessions, sports etc.There are individual staff in-charges for various cultural and sports activities.
3. Team formation of students in various events of IEDSSA zonal and internal zonal sports.
4. Motivation and guidance to participation in various technical events such as Paper, Poster, Project competitions, Technical Quiz, etc conducted in the institute, state and national level events in other institutes.
5. Students celebrate Teachers Day every year as Self Administration Day in institute.
6. Social activities like tree plantation, carrier guidance program such as school connect are also arranged by institute.



Image no. 2.2.8.1 Tree Plantation in College Campus



Image no. 2.2.8.2 Annual Cultural Event



Image no. 2.2.8.3 School Connect Activity for
Career Guidance



Image no. 2.2.8.4 Winner team of IEDSSA Sports

CAY : 2019-2020

Sr. No	Name of Student	Type of Competition/Event	Level (National/State/ Inter - Institute)	Date	Organizing Body/ Organizing Institute	Partic- Achie-
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1	Mulla Tabsum Rajasab	E ² Logic 2K20 Programming Mania	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Second
2	Kulkarni Manasi Madhukar	E ² Logic 2K20 Programming Mania	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Third
3	Pawar Payal Rajabhau	E ² Logic 2K20 Idea Presentation	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Third
4	Pawar Payal Rajebhau	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	First
5	Swami Pooja Someshwar	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	First
6	Panchal Vaishnai Pandurang	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	Third
7	Raut Supriya Jalindar	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	Third
8	Pawar Payal Rajabhau	E ² Logic 2K20 Programming Mania	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
9	Kolkute Rutuja	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
10	Kulkarni Mohini	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
11	Raut Supriya Jalindar	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
12	Panchal Vaishnavi Pandurang	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
13	Mulla Tabsum Rajasab	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
14	Ghogare Neha	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
15	Pawar Payal Rajebhau	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
16	Swami Pooja Someshwar	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participated
17	Pawar Payal Rajebhau	E ² Logic 2K20 Paper Presentation	National	14/03/2020	SVERI COE, Pandharpur	Participated
18	Dolse Gayatri Deepak	Virtual Campus Recruitment Program 2020 State		01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Gold Recipient
19	Kavthale Pratiksha Pradip	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze Recipient
20	Kore Rutuja Somnath	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze Recipient
21	Pawar Anjali Santosh	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze Recipient
22	More Pranita Vyankatrao	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze Recipient
23	Hake Anjali Ashok	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Participated

24	Kumathkar Pratiksha	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Particip
25	Savargave Vaishnavi	Socio Technical Festa Pragyaa drink and Glow	National level	27/02/2020	SGSS I E&T, Nanded	Partici
26	Londhe Akita	Socio Technical Festa Pragyaa drink and Glow	National	27/02/2020	SGSS I E&T, Nanded	Partici
27	Dolse Gayatri Deepak	Pragyaa drink and Glow	National	27/02/2020	SGSS I E&T, Nanded	Partici
28	Gangthade Nikita	Socio Technical Festa Paper Electrica	National	26/02/2020	SGSS I E&T, Nanded	Partici
29	Daiwadnya Akanksha Shashikant	Socio Technical Festa Paper Electrica	National	26/02/2020	SGSS I E&T, Nanded	Partici
30	Waghmare Gayatri Keshav	Socio Technical Festa Paper Electrica	National	26/02/2020	SGSS I E&T, Nanded	Partici
31	Kumathkar Pratiksha Sugriv	Socio Technical Festa Pragyaa Tricky Circuits	National	26/02/2020	SGSS I E&T, Nanded	Partici
32	Bansode Vaishnavi Balasaheb	Pragyaa Tricky Circuits	National	26/02/2020	SGSS I E&T, Nanded	Partici
33	Savargave Vaishnavi	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Partici
34	Takale Anjali	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Partici
35	Lohare Tulasi Mahesh	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Partici
36	Kavatale Pratiksha Pradip	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Partici
37	Kavatale Pratiksha Pradip	Virtual Campus Winner 2020 ,Personal Interview Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Partici
38	Kavatale Pratiksha Pradip	Virtual Campus Winner 2020 ,Outstanding Performance	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Partici
39	Dolse Gayatri Deepak	Virtual Campus Winner 2020	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Partici
40	Lohare Tulasi Mahesh	Student Conference	--	19/01/2020	ABVP, Latur	Partici
41	Sangve Vaishnavi Premkumar	Student Conference	--	19/01/2020	ABVP, Latur	Partici

42	Kavatale Pratiksha Pradip	Student Conference	--	19/01/2020	ABVP, Latur	Partici
43	Potdar RenukaAchyut	Circuit Schematic	National	15/09/2019	SVERI COE, Pandharpur	Winne
44	Kumbhar Shradha Dnyanoba	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERI COE, Pandharpur	Runne
45	Potdar Renuka Achyut	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERI COE, Pandharpur	Runne
46	Mulla Tabasum Rajasab	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERICOE,Pandharpur	Partici
47	Swami Pooja Someshwar	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERICOE,Pandharpur	Partici
48	Jadhav Pranita	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERICOE,Pandharpur	Partici
49	Zirmire Pallavi	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERICOE,Pandharpur	Partici
50	Kulkarni Manasi	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERICOE,Pandharpur	Partici
51	Barmade Snehal Balaji	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERI COE, Pandharpur	winne
52	Jadhav Payal	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERI COE, Pandharpur	Winne
53	SawalkarPritiShatrughan	OLYMPUS 2K19 Poster Presentation	National	15/09/2019	SVERICOE,Pandharpur	Partici
54	Kavthale Pratiksha Pradip	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERICOE,Pandharpur	Partici
55	Dhotre Supriya	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERICOE,Pandharpur	Partici
56	Panchal Vaishnavi	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERICOE,Pandharpur	Partici
57	Raut Supriya Jalindar	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERICOE,Pandharpur	Partici
58	Swami Pooja Someshwar	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERICOE,Pandharpur	Partici
59	SawalkarPritiShatrughan	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERICOE,Pandharpur	Partici

60	Sangave Vaishnavi Premkumar	Chess	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
61	Swami Rutuja Virbhadra	Chess	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
62	Pawar Payal Rajebhau	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
63	Shete Aditi Irappa	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
64	Rukme Srushti Govind	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
65	Bhosale Pooja Santosh	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
66	Gode Priti Baliram	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
67	Raut Supriya Jalindar	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
68	Hake Anjali Ashok	Volleyball	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
69	Sawalkar Priti Shatrughan	Volleyball	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
70	Pawar Payal Rajebhau	Volleyball	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
71	Sangave Vaishnavi Premkumar	Chess	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner

72	Swami Rutuja Virbhadra	Chess	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
73	Pawar Payal Rajebhau	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
74	Bhosale Pooja Santosh	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
75	Raut Supriya Jalindar	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
76	Shete Aditi Irappa	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
77	Gode Priti Baliram	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
78	Rukme Srushti Govind	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
79	Panchal Vaishnavi Pandurang	Table Tennis	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Runner
80	Mulla Tabassum Rajasab	Table Tennis	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Runner

Table no. 2.2.8.1

Sr. No.	Name of Student	Type of Competition/Event	Level (National/ State/ Inter - Institute)	Date	Organizing Body/ Organizing Institute
1	Hadole Sanjivani Shamrao	“ELECTROCOM CHALLENGE 2K19” Project competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
2	Tagare Priyanka	“ELECTROCOM CHALLENGE 2K19” poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
3	Ghogre SwapnaliShivajirao	“ELECTROCOM CHALLENGE 2K19” poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
4	Waghmare Divya	“ELECTROCOM CHALLENGE 2K19” poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
5	Hadole Sanjivani Shamrao	“ELECTROCOM CHALLENGE 2K19” poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
6	Swami Swati	“ELECTROCOM CHALLENGE 2K19” Project competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
7	Ghogre Swapnali Shivajirao	“ELECTROCOM CHALLENGE 2K19” Project competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
8	Giri Ankita	“ELECTROCOM CHALLENGE 2K19” Project competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
9	Gatade Vaishnavi	“ELECTROCOM CHALLENGE 2K19” Project competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur
10	Swami Swati Rajeshwar	“Techno-Spirit 2K19” Project Exhibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani
11	Tagare Priyanka Pralhad	“Techno-Spirit 2K19” Project Exhibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani

12	Waghmare Divya Rajabhai	“Techno-Spirit 2K19” Project Exhibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani
13	Kekan Suchita Sadipan	“Techno-Spirit 2K19” Project Exhibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani
14	Hadole Sanjivani Shamrao	“Tool Tech-2019”Poster presentation	National	09/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur
15	Ghogre SwapnaliShivajirao	“Tool Tech-2019”Poster presentation	National	09/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur
16	Hadole Sanjivani Shamrao	“Tool Tech-2019”Project Exhibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur
17	Mugale Supriya Ramesh	“Tool Tech-2019”Project Exhibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur
18	Ghogre SwapnaliShivajirao	“Tool Tech-2019”Project Exhibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur
19	Ekunde Pallavi	“Tool Tech-2019”Project Exhibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur
20	More Tauja repeated project Smart helmet	“Tool Tech-2019”Project Exhibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur
21	Gatade Vaishnavi	“DISTA-2K19 ” Project Exhibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur
22	Hadole Sanjivani Shamrao	“DISTA-2K19 ” Project Exhibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur
23	JangapalleRohiniKamalakar	“DISTA-2K19 ” Project Exhibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur
24	Mugale Supriya	“DISTA-2K19 ” Project Exhibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur

25	Ghogre Swapnali Shivajirao	“ DISTA-2K19 ” Poster Exibition	National	01/03/2019	N B Navale Sinhgad College of Engg, Kegaon-solapur
26	Ghogre Swapnali Shivajirao	“ Vishwa-Vertex 2019”Project Competion	Inter - Institute	21/02/2019	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala
27	Mugale Supriya	“ Vishwa-Vertex 2019” Project Completion	Inter - Institute	21/02/2019	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala
28	Tagare Priyanka	“ Vishwa-Vertex 2019” Project Competion	Inter - Institute	21/02/2019	Ishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala
29	Ghogre Swapnali Shivajirao	“ Vishwa-Vertex 2019”Poster Presentation	Inter - Institute	21/02/2019	Ishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala
30	Kekan Suchita Sadipan	Speech Competition	---	19/01/2019	Election Comission of India
31	Kekan Suchita Sadipan	Debate /Elocution Competition	State	30/10/2018	Bureau o Energy Efficiency(BEE) Ministry of Power and Maharashtra Energy Development Agency,Pune

32	Raut Supriya Jalindar	Kabaddi	IEDSSA Inter Zonal Sports	Feb. 2019	GRWP, Tasgaon
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Table no. 2.2.8.2

CAY m2: 2017-2018

Sr. No.	Name of Student	Type of Competition/ Event	Level (National/State/ Inter - Institute)	Date	Organizing Body/ Organizing Institute
1	Jadhav Shital Arjun	Project Exhibition	Inter- institute	09/03/2018	Shri Tulaja Bhavani College of Engg, Tuljapur
2	Ghogare Swapnali Shivajirao	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya Almala
3	Pathan Nausin Rasul	I am engineer Pragyaa 2018	National	16/03/2018	Shri Guru Govind Singhji Institute of Engg and Tech, Nanded
4	Naik Renuka Laxmikant	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya Almala
5	Hadole Sanjivani Shamrao	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya Almala
6	Waghmare Swapnali Pandurang	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya Almala
7	Vishwakarma Shivalila Ramesh	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya Almala

8	Jadhav Shital Arjun	Project Competition	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
9	Dige Pranita S.	Project Presentation	National	22/02/2018	V Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
10	Khase Bhagyashri Tryambak	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
11	Jadhav Neha B.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
12	Awale Rohini B.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
13	Aagre Shraddha V.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
14	Andhale Meera G.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
15	Ambure Rasika S.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
16	Jogdand Anjali Lahu	Technical Quiz	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
17	Deshmane Jyoti Datta	Technical Quiz	National	22/02/2018	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya Almala
18	Kalekar Namrata S.	Tech-Quiz	National	31/01/2018	JSPM Bhagwant Institute Of Technology Barshi
19	Munde Priyanka N.	Tech-Quiz	National	31/01/2018	JSPM Bhagwant Institute Of Technology Barshi
20	Patil Bhagyashri	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi
21	Ghogare Swapnali Shivajirao	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi
22	Gatade Vaishnavi Guruling	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi
23	Dongre Sonali Prakash	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi
24	Hadole Sanjivani Shamrao	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi
25	Khase Bhagyashri Tryambak	Code master	Inter- institute	24/09/2017-25/09/2017	M.S.Bidve Engineering. College, Latur
26	Muley Mayuri Sanjay	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa

27	Ambure Rasika	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa
28	Jogdand Anjali Lahu	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa
29	Deshmane Jyoti Datta	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa
30	Jadhav Shital Arun	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa
31	Chinchore Vijayalaxmi Subhash	Debate Competition	Inter- institute	11/09/2017	MDA, Kolpa
32	Mira Andhale	Poster and Slogan Competition	Inter- institute	Aug 2017	Rusan Health care and PBUSPM,Solapur
33	Neha Jadhav	Poster and Slogan Competition	Inter- institute	Aug 2017	Rusan Health care and PBUSPM,Solapur
34	Deshmane Jyoti Datta	Table Tennis	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
35	Hadole Sanjivani Shamrao	Table Tennis	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
36	Gatade Vaishnavi	Table Tennis	IEDSSA Inter Zonal Sports Meet	15/02/2018- 18/02/2018	Govt.Polytechnic, Hingoli
37	Tambekar Aishwarya Narsing	Volleyball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
38	Jadhav Arti Umakant	Volleyball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
39	Shinde Manisha Dhanraj	Volleyball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
40	Kamble Priyanka S	Volley ball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
41	Hadole Sanjivani Shamrao	Volley ball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
42	Vishewakarma Shivlila	Volley ball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
43	Raut Supriya Jalindar	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
44	Pawar Payal Rajabhau	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
45	Rukme Shrushti Govind	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon

46	Sonpethkar Prachi	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon
47	Swami Rutuja	Chess	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
48	Sangave Vaishnavi Premkumar	Chess	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
49	Raut Supriya Jalindar	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
50	Pawar Payal Rajabhau	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
51	Pawar Payal Rajabhau	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
52	Sonpethkar Prachi	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
53	Rukme Shrushti Govind	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
54	Raut Supriya Jalindar	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
55	Tambekar Aishwarya Narsing	Volleyball	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
56	Jadhav Arti Umakant	Volleyball	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
57	Naikwadi NehaVikas	100m runnning	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
58	Deshmane Jyoti Datta	Table Tennis	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli
59	Shaikh Tabassum Mehmud	High Jump	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli

Table no. 2.2.8.2

CAY m3: 2016-2017

Sr. No	Name of Student	Type of Competition/Event	Level (National/State/Inter - Institute)	Date	Organizing Body/ Organizing Institute	Pa
1	Barbole Anjali Balaji	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bro
2	Bhosale Priya Balasaheb	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bro
3	Bandapalle Mahadevi Balaji	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bro
4	Kenche Rutuja Rajkumar	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 - 02/03/2017	Sandipani Technical Campus, Latur	Bro
5	Bhavare Sapna Balaji	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bro
6	Ambure Rasika Sachin	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bro
7	Bodake Shraddha Satish	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bro
8	Munde Pryanka Narayanrao	Pragyaa-2017 I am Engineer	National	02/03/2017	SGGSIET, Nanded	Pa
9	Bhavare Sapna Balaji	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Pa
10	Mane Ankita Niranjan	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Pa

11	Bodake Shraddha	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Pa
12	Barbole Anjali Balaji	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Pa
13	Kalekar Namrata Shailesh	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Pa
14	Munde Pryanka Narayanrao	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Pa
15	Nagargoje Bhagyashri Shirang	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Pa
16	Deshmukh Pornima Vishwasrao	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Pa
17	Pachange Chaitali Chandrakant	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Pa
18	Alandkar Sakshi Manoj	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Pa
19	Jogdand Anjali Lahu	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Pa
20	Muley Mayuri Sanjay	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Iamala	Pa
21	Bhavre Sapna Balaji	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Pa
22	Bodake Shraddha Satish	Vishwa-Vertex 2017 Project Compeition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Pa
23	Barbole Anjali Balaji	Vishwa-Vertex 2017 Project Compeition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Pa
24	Chinde Pooja Mahadev	Vishwa-Vertex 2017 Project Compeition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Pa

27	Salunke Dipali Sanjay	Vishwa-Vertex 2017 Project Competition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	P
28	Kenche Rutuja Rajkumar	Table-Tennis	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	W
29	Bandapalle Mahadevi Balaji	Table-Tennis	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	W
30	Shaikh Tabbasum Mohammad	Running 100m	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	W
31	Shaikh Tabbasum Mohammad	High Jump	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE,Wagholi,Pune Ramchandra COE, Wagholi, Pune	W
32	Rasure Akshata S.	Kho-Kho	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	W

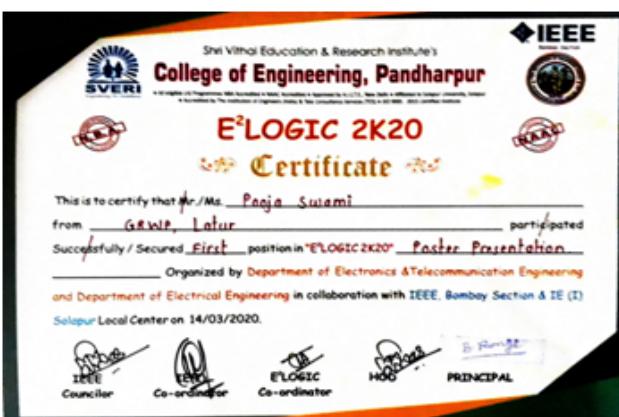


Image no. 2.2.8.5 Swami Pooja awarded first prize for Poster Presentation at SVERI,COE, Pandharpur



Image no. 2.2.2.6 Potdar Renuka Achyut awarded as Winner for Schematic at SVERI,COE, Pandharpur



Image no. 2.2.2.7 Gayatri Dolse awarded Gold Rank and Best Performance Award in VCRP-2020 at Sandipani COE, Kolhapur

Image no. 2.2.2.8 Swami Rutuja awarded as Winner for game, Chess in inter Zonal IEDSSA

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (100)

Total Marks 100.00

Define the Program specific outcomes

PSO1	Electronics And Communication Systems: Main
PSO2	EDA Tools Usage: Use EDA tools to develop si

3.1 Establish the correlation between the courses and the POs and PSOs (20)

Total Marks 20.00

3.1.1 Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses) (5)

Institute Marks

5.00

Note : Number of Outcomes for a Course is expected to be 3 to 5.

Course Name :	C1 03	Course Year :	2016-17
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Course Name	Statements
C1 03.1	Apply Cramer's rule and matrix method to solve simultaneous equations in three variables.
C1 03.2	Use concept of allied angle, compound angle, multiple and sub-multiple angles to solve engineering problems
C1 03.3	Use factorization and de-factorization formulae to solve examples.
C1 03.4	Understand the relationship of two variables.
C1 03.5	Use basic concepts of statistics to solve engineering related problems

Course Name :	C1 07	Course Year :	2016-17
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Course Name	Statements
C1 07.1	Utilize the skill necessary to be a competent communicator.
C1 07.2	Apply the appropriate method of communication in various situations.
C1 07.3	Compose dialogues and paragraphs for different situations.
C1 07.4	Use different formats of formal written skills.
C1 07.5	Use presentation skills focussing on body language.

Course Name :	C2 05	Course Year :	2017-18
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Course Name	Statements
C2 05.1	Use number system and codes for interpreting working of digital system.
C2 05.2	Use Boolean expression's to realize logic circuits.
C2 05.3	Build simple combinational circuits.
C2 05.4	Build simple sequential circuits.
C2 05.5	Test data converters.
C2 05.6	Use memory ICs in practical applications

Course Name :	C2 11	Course Year :	2017-18
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Course Name	Statements
C2 11.1	Understand working principle with construction of power electronic devices
C2 11.2	Interpret V-I characteristics from thyristor family
C2 11.3	Analyse Turn ON and Turn OFF methods of SCR
C2 11.4	Explain concept of phase controlled rectifier circuits with waveforms
C2 11.5	Use Chopper and Inverter in different applications
C2 11.6	Utilize industrial control circuits consisting power electronic devices

Course Name :	C3 02	Course Year :	2018-19
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Course Name	Statements
C3 02.1	Compare microprocessor and microcontroller to select suitable processing unit for a system
C3 02.2	Analyse architecture of microcontroller IC
C3 02.3	Interpret assembly language program of 8051
C3 02.4	Interpret the program by using timer,interrupt ,serial port /parallel port

Course Name :	C3 13	Course Year :	2018-19
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Course Name	Statements
C3 13.1	Develop the state diagram, state table and built Moore and Mealy models.
C3 13.2	Implement logical equations using CMOS technology & Understand CMOS processing technology.
C3 13.3	Understand HDL, its components and programming Syntax.
C3 13.4	Develop program to implement combinational and sequential logic circuit using VHDL.
C3 13.5	Interpret VHDL Simulation And Synthesis

3.1.2 CO-PO matrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 1st to 6th semester) (5)

Institute Marks

5.00

1 . course name : C203

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C103.1	3 ✓	3 ✓	1 ✓	- ✓	- ✓	- ✓	2 ✓
C103.2	3 ✓	3 ✓	2 ✓	- ✓	- ✓	- ✓	2 ✓
C103.3	2 ✓	1 ✓	1 ✓	- ✓	- ✓	- ✓	1 ✓
C103.4	3 ✓	1 ✓	1 ✓	1 ✓	1 ✓	- ✓	1 ✓
C103.5	3 ✓	1 ✓	3 ✓	1 ✓	1 ✓	1 ✓	2 ✓
Average	3.00	2.00	2.00	1.00	1.00	1.00	2.00

2 . course name : C207

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C107.1	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	3 ✓

C107.2	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	3 ▼
C107.3	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	3 ▼
C107.4	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	3 ▼
C107.5	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	3 ▼
Average	2.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00

3 . course name : C305

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C205.1	Select ▼						
C205.2	Select ▼						
C205.3	Select ▼						
C205.4	Select ▼						
C205.5	Select ▼						
C205.6	Select ▼						

4 . course name : C311

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C211.1	2 ▼	1 ▼	1 ▼	2 ▼	- ▼	1 ▼	1 ▼
C211.2	2 ▼	3 ▼	1 ▼	2 ▼	- ▼	1 ▼	1 ▼
C211.3	1 ▼	2 ▼	3 ▼	2 ▼	- ▼	1 ▼	1 ▼
C211.4	1 ▼	1 ▼	2 ▼	2 ▼	- ▼	1 ▼	1 ▼
C211.5	2 ▼	1 ▼	3 ▼	- ▼	- ▼	- ▼	1 ▼
C211.6	2 ▼	2 ▼	3 ▼	1 ▼	- ▼	2 ▼	2 ▼
Average	2.00	2.00	2.00	2.00	0.00	1.00	1.00

5 . course name : C402

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C302.1	3 ▼	2 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼
C302.2	2 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼
C302.3	2 ▼	2 ▼	3 ▼	2 ▼	1 ▼	1 ▼	1 ▼
C302.4	2 ▼	2 ▼	3 ▼	2 ▼	1 ▼	1 ▼	1 ▼
C302.5	2 ▼	2 ▼	3 ▼	2 ▼	1 ▼	1 ▼	1 ▼
Average	2.00	2.00	3.00	2.00	1.00	1.00	1.00

6 . course name : C413

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C313.1	3 ▼	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼
C313.2	3 ▼	2 ▼	2 ▼	1 ▼	1 ▼	1 ▼	1 ▼
C313.3	2 ▼	1 ▼	2 ▼	1 ▼	2 ▼	2 ▼	1 ▼
C313.4	3 ▼	3 ▼	3 ▼	2 ▼	2 ▼	1 ▼	2 ▼
C313.5	2 ▼	1 ▼	2 ▼	2 ▼	3 ▼	1 ▼	1 ▼
Average	3.00	2.00	2.00	2.00	2.00	1.00	1.00

1 . Course Name : C203

Course	PSO1	PSO2
C103.1	1 ▼	- ▼
C103.2	- ▼	- ▼
C103.3	- ▼	- ▼
C103.4	- ▼	- ▼
C103.5	2 ▼	- ▼

Average	2.00	0.00
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2 . Course Name : C207

Course	PSO1	PSO2
C107.1	- ▼	- ▼
C107.2	- ▼	- ▼
C107.3	- ▼	- ▼
C107.4	- ▼	- ▼
C107.5	- ▼	- ▼
Average	0.00	0.00

3 . Course Name : C305

Course	PSO1	PSO2
C205.1	Select ▼	Select ▼
C205.2	Select ▼	Select ▼
C205.3	Select ▼	Select ▼
C205.4	Select ▼	Select ▼
C205.5	Select ▼	Select ▼
C205.6	Select ▼	Select ▼

4 . Course Name : C311

Course	PSO1	PSO2
C211.1	2 ▼	- ▼
C211.2	1 ▼	- ▼
C211.3	2 ▼	- ▼

C211.4	2	▼	-	▼
C211.5	1	▼	-	▼
C211.6	2	▼	-	▼
Average	2.00		0.00	

5 . Course Name : C402

Course	PSO1	PSO2
C302.1	2	▼
C302.2	2	▼
C302.3	3	▼
C302.4	3	▼
C302.5	3	▼
Average	3.00	3.00

6 . Course Name : C413

Course	PSO1	PSO2
C313.1	-	▼
C313.2	1	▼
C313.3	-	▼
C313.4	-	▼
C313.5	-	▼
Average	1.00	2.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C101	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	3 ✓
C102P	2 ✓	2 ✓	2 ✓	2 ✓	2 ✓	2 ✓	2 ✓
C102C	3 ✓	2 ✓	1 ✓	1 ✓	1 ✓	- ✓	2 ✓
C103	3 ✓	2 ✓	2 ✓	1 ✓	1 ✓	1 ✓	2 ✓
C104	3 ✓	3 ✓	2 ✓	1 ✓	1 ✓	2 ✓	2 ✓
C105	1 ✓	1 ✓	2 ✓	3 ✓	2 ✓	1 ✓	2 ✓
C106	2 ✓	2 ✓	2 ✓	1 ✓	1 ✓	1 ✓	1 ✓
C107	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	3 ✓
C108P	3 ✓	2 ✓	2 ✓	2 ✓	2 ✓	2 ✓	2 ✓
C108C	3 ✓	2 ✓	1 ✓	1 ✓	1 ✓	1 ✓	1 ✓
C109	3 ✓	1 ✓	1 ✓	- ✓	- ✓	- ✓	3 ✓
C110	3 ✓	2 ✓	1 ✓	1 ✓	1 ✓	- ✓	2 ✓
C111	2 ✓	3 ✓	- ✓	- ✓	- ✓	- ✓	3 ✓
C112	2 ✓	1 ✓	1 ✓	2 ✓	1 ✓	- ✓	2 ✓
C201	3 ✓	1 ✓	1 ✓	1 ✓	1 ✓	- ✓	2 ✓
C202	2 ✓	2 ✓	2 ✓	2 ✓	1 ✓	2 ✓	1 ✓
C203	2 ✓	2 ✓	2 ✓	2 ✓	1 ✓	2 ✓	1 ✓
C204	3 ✓	3 ✓	1 ✓	1 ✓	2 ✓	1 ✓	1 ✓
C205	2 ✓	2 ✓	2 ✓	2 ✓	2 ✓	1 ✓	1 ✓
C206	2 ✓	1 ✓	2 ✓	1 ✓	2 ✓	1 ✓	1 ✓
C207	1 ✓	1 ✓	1 ✓	- ✓	1 ✓	1 ✓	2 ✓
C208	2 ✓	1 ✓	2 ✓	2 ✓	3 ✓	2 ✓	3 ✓
C209	3 ✓	1 ✓	2 ✓	2 ✓	2 ✓	1 ✓	2 ✓
C210	2 ✓	2 ✓	3 ✓	2 ✓	1 ✓	2 ✓	1 ✓
C211	2 ✓	2 ✓	2 ✓	2 ✓	- ✓	1 ✓	1 ✓
C212	3 ✓	2 ✓	2 ✓	2 ✓	2 ✓	1 ✓	1 ✓

C213	2	▼	-	▼	2	▼	2	▼	1	▼	1	▼	2	▼
C214	1	▼	1	▼	1	▼	-	▼	1	▼	1	▼	2	▼
C301	3	▼	2	▼	2	▼	2	▼	1	▼	1	▼	1	▼
C302	2	▼	2	▼	3	▼	2	▼	1	▼	1	▼	1	▼
C303	3	▼	2	▼	2	▼	2	▼	1	▼	2	▼	1	▼
C304	2	▼	3	▼	2	▼	1	▼	-	▼	1	▼	1	▼
C305	3	▼	3	▼	3	▼	2	▼	2	▼	2	▼	1	▼
C306	2	▼	1	▼	1	▼	1	▼	2	▼	2	▼	3	▼
C307	-	▼	-	▼	-	▼	1	▼	2	▼	2	▼	3	▼
C308	1	▼	1	▼	1	▼	-	▼	1	▼	1	▼	2	▼
C309	2	▼	2	▼	2	▼	1	▼	1	▼	2	▼	2	▼
C310	2	▼	2	▼	2	▼	2	▼	2	▼	2	▼	1	▼
C311	2	▼	2	▼	3	▼	2	▼	1	▼	2	▼	1	▼
C312	2	▼	2	▼	3	▼	2	▼	2	▼	1	▼	1	▼
C313	3	▼	2	▼	2	▼	2	▼	2	▼	1	▼	1	▼
C314	3	▼	2	▼	2	▼	2	▼	1	▼	2	▼	2	▼
C315	2	▼	1	▼	2	▼	3	▼	-	▼	1	▼	2	▼
C316	2	▼	2	▼	2	▼	2	▼	2	▼	2	▼	2	▼

3.1.3 - B Program level Course-PSO matrix of all courses INCLUDING first year courses

Course	PSO1	PSO2		
C101	-	▼	-	▼
C102P	-	▼	-	▼
C102C	-	▼	-	▼
C103	2	▼	-	▼
C104	2	▼	2	▼

C105	1	▼	3	▼
C106	-	▼	-	▼
C107	-	▼	-	▼
C108P	-	▼	-	▼
C108C	-	▼	-	▼
C109	3	▼	2	▼
C110	1	▼	-	▼
C111	-	▼	-	▼
C112	2	▼	-	▼
C201	1	▼	-	▼
C202	2	▼	-	▼
C203	1	▼	-	▼
C204	1	▼	1	▼
C205	1	▼	-	▼
C206	1	▼	1	▼
C207	1	▼	1	▼
C208	-	▼	-	▼
C209	1	▼	-	▼
C210	3	▼	2	▼
C211	2	▼	-	▼
C212	1	▼	1	▼
C213	1	▼	1	▼
C214	1	▼	1	▼
C301	2	▼	1	▼
C302	3	▼	3	▼
C303	1	▼	-	▼
C304	1	▼	1	▼

C305	3	▼	3	▼
C306	-	▼	-	▼
C307	-	▼	1	▼
C308	1	▼	1	▼
C309	-	▼	-	▼
C310	2	▼	1	▼
C311	2	▼	3	▼
C312	3	▼	3	▼
C313	1	▼	2	▼
C314	3	▼	2	▼
C315	-	▼	3	▼
C316	2	▼	2	▼

3.2 Attainment of Course Outcomes (40)

Total Marks 40.00

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

Institute Marks

10.00

There are basically two types of assessment methods in order to gather evidence of student learning. The assessment should be done through direct and indirect method as given below.

1. Direct Method- Direct methods are used to assess the students knowledge and skills (Cognitive, Psychomotor and Affective) from their performance throughout the semester as well as by conducting term end examinations.

Various assessment tools used are as listed below.

- 1) Term End Theory Examination (TH)
- 2) Term End Practical/Oral /Project Examination (PR/OR)
- 3) Progressive Test Assessment (PA)
- 4) Continuous Assessment of Practical/Term work/Tutorials/Project (TW)
- 5) Online Exam

As per MSBTE Scheme external examination is required or not any above then assessment tools is again categorised into following two.

1. Internal Assessment Tools
2. External Assessment Tools

Table 3.2.1a Direct assessment Tools

Direct Assessment Tools(Internal)					
Sr. No	Direct Assessment Method	Description of the Assessment Process	Assessment Frequency	Assessed By	Formats Required for Data Collection
1	Progressive Tests (PT)	<p>1. As per the teaching scheme of MSBTE, two unit tests of each theory subject are conducted. It is a metric to continuously assess the attainment of course outcomes w.r.t course objectives. Sessional marks to be communicated to MSBTE shall be as per teaching Examination scheme</p> <p>2. The feedback regarding the assessment is given to the students in the class room for betterment.</p>	Twice in a Semester	Course in-charge	As Per CIAAN 2011 norms Format No. D3
2	Continuous Assessment of Practical/Term work/Tutorials/Project (TW)	1. Continuous Assessment is one of the measuring criteria to assess student practical knowledge & their skills like Cognitive Psychomotor and Affective as well as punctuality in attending the laboratory work.	After Completion of each experiment	Course in-charge	As Per CIAAN 2011 norms Format No. D4
3	Term End Practical/Oral /Project Examination (PR/OR)	2. End term laboratory practical examination is the measure of attainment of course outcome which is mentioned in the curriculum.	Once in Semester	Course in-charge as internal examiner	As Per CIAAN 2011 norms Format No. D5
Direct Assessment Tools(External)					
Sr. No	Direct Assessment Method	Description of the Assessment Process	Assessment Frequency	Assessed By	Formats Required for Data Collection

1	End Term Final Theory examination	1. The MSBTE theory examination is more focused on attainment of course outcome and program outcome using descriptive exam. 2. After declaration of MSBTE result, class, division, subject wise result analysis is carried out at department level. 3. MSBTE provide theory score index is used as standard target and calculating the numbers of students scoring above the set standards with the help of MSBTE theory exam.	Once in Semester	MSBTE board/ External Assessor	MSBTE Result Gazette Copy
2	Term End Practical/Oral /Project Examination (PR/OR)	1. End term laboratory practical /Oral examination is the measure of attainment of course outcome which is mentioned in the curriculum.	Once in Semester	External Assessor	As Per CIAAN 2011 norms Format No. D5
3	Online Exam	1. Online end semester exam is conducted by MSBTE for some courses as mention in curriculum	Once in Semester	MSBTE board/ External Assessor	MSBTE Result Gazette Copy

2. Indirect Method- Indirect methods such as alumni survey, student feedback, employers feedback, exit student feedback which reflect the opinion & thought about the diploma student knowledge & skills and their valued for different stake holders.

Table 3.2.1b Indirect Assessment Tools

Sr. No.	Indirect Assessment Method	Description of the Assessment Process	Assessment Frequency	Assessed By

1	Alumni feedback	Collected variety of information about programme satisfaction and institute from alumni students of institute. Relevant questionnaire in feedback form to evaluate attainment of POs and PSOs is prepared to record their responses.	Once in Year	Departmental T&P Officer
2	Program Exit feedback	A exit survey is conducted for students who have graduated out of the department. Relevant questionnaire in exit survey form to evaluate attainment of POs and PSOs is prepared to record their responses.	Once in Year	Departmental T&P Officer
3	Employers feedback	A Employer's feedback is taken from the industries for the performance of the students, those who passout from our institute and working in their organization as employee.	Once in Year	Departmental T&P Officer

3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (30)

Institute Marks

30.00

Measuring Course Outcomes attained through board examinations

(Target may be stated in terms of percentage of students getting more than the board average marks or more as selected by the program in the final examination. For cases where the Board does not provide useful indicators like average or median marks etc., the program may choose an attainment level on its own with justification.)

Course outcome attainment levels are set separately for external and internal assessments as given below.

Setting attainment levels for performance through External Assessment

MSBTE provide minimum passing percentage for board examinations as theory score index (TSI), that TSI is set as target to decide attainment level for external assessment. therefore percentage of student scoring less than TSI marks is considered as zero level of attainment (i.e. no attainment) and accordingly levels 1, 2 and 3 (low, moderate and high) are set as defined below.

- Attainment Level 1: 50% - 54.99% students scoring more than board TSI marks in external assessment is considered to be attainment of Level "1".
- Attainment Level 2: 55% - 59.99% students scoring more than board TSI marks in external assessment is considered to be attainment of Level "2".
- Attainment Level 3: 60% & above students scoring more than board TSI marks in external assessment is considered to be attainment of Level "3" .

Setting attainment levels for performance through Internal Assessment

Internal assessment tools comprises unit test, continuous assessment term work, internal practical exams. For unit test set assessment level are in terms of percentage of students getting more than class average marks but the class average marks for unit test is too low , here decided set assessment level for unit test is 40% marks and accordingly levels 1, 2 and 3 (low, moderate and high) are set as defined below.

- Attainment level 1: 50% - 54.99% students scoring marks more than 40% marks out of the relevant Maximum marks in unit test.
- Attainment level 2: 55% - 59.99% students scoring marks more than 40% marks out of the relevant Maximum marks in unit test.

- Attainment level 3: 60% & more students scoring marks more than 40% marks out of the relevant Maximum marks in unit test.

Internal assessment tool also comprises of continuous assessment/TW marks, internal practical marks given by respective course co-ordinator from performance in the continuous assessment for laboratory work. Here the assessment levels are set in terms of percentage of students getting more than set assessment marks in internal assessment, as given below.

- Attainment level 1: 50% - 54.99% students scoring marks more than 60% marks out of the relevant maximum marks in Internal Assessment.
- Attainment level 2: 55% - 59.99% students scoring marks more than 60% marks out of the relevant maximum marks in Internal Assessment.
- Attainment level 3: 60% & more students scoring marks more than 60% marks out of the relevant maximum marks in Internal Assessment..

Note:

- As the information on performance in external TH and PR/OR for each student in individual COs is not available, the Institution/Department has to take that attainment (percentage marks) for all COs of the course is the same.
- As evaluation of continuous assessment/TW, Internal Practical End semester Exam is done by developing rubric of cluster of skills from cognitive, psychomotor and affective learning domains thorough proper mix of COs, hence same attainment level is considered for all Cos.

E.g. Specimen sheet of analysis of CO Attainment for the Microcontroller course is as shown below, (Academic year 2016-17 admitted batch; passed out academic year 2017-18)(TH: Theory PR/OR: Practical/Oral PT: Progressive Test TW: Term work)

Course Name :	Microcontroller
Course Code :	17534
Program/Semester :	ETSG
Academic Year:	2018-19

DIRECT CO ASSESSMENT TOOL/COURSE EVALUATION PLAN	TH-PA		PA-TW	PR-ESE	TH-ESE	TOTAL
	U.Test I	U. Test II	PA_Term Work	Practical Exam	E.S.E Board	
MAX MARKS AS PER TEACHING SCHEME		10	25	50	100	185
INDIVIDUAL WEIGHTAGE (%)		5.41	13.51	27.03	54.05	100

Note- Individual weightage for each internal and external tools are vary as per MSBTE teaching scheme for each course.

Attainment for theory progressive assessment is shown as below

Sr. No.	Enrollment No.	Name Of Students	Unit Test I						Unit Test II						Total C01 Marks	Total C02 Marks	Total C03 Marks	Total C04 Marks	Total C05 Marks							
			Que no.1		Que no.2		Que no.3		Que no.1		Que no.2		Que no.3													
			C01	C02	C01	C02	C02	C02	C03	C03	C02	C05	C03	C04	C04	C05	C03	C05	C05							
1	1601360075	ARYA PRITI SHARAD	15	3	15	3	2	3	1	2	3	4	1	2	3	1	2	3	10	19	22	10	15			
2	1601360017	BAHODE RAJANANDINI RAHILAH	25	2	15	1	1	1	15	1	3	2	1	2	2	1	0	1	4	6	7	2	4			
3	1601360104	BEMBADE GOSAVARI HARIBHAI	3	3	15	0	15			0	2.5	0.5	0.5	3	0	0	0	0.5	7	1.5	0.5	3	1			
4	N40144005	BEMBADE NIRMALA SANJAY	25	3		2	2			1	3.5	2	1	0	4	4	2		6	3	10	5	2			
5	1601360173	BHUBAL VAISHNAVI MADHAV	25	2	0	2.5	2		1	0	0	15	1	0	0	1	0	2.5	6	5.5	3	3	2.5			
6	1601360013	CHAUNDE ROHINI RAJKUMAR	2	2.5	1	1	0	0	3	1	0	15	3	0.5	0	0	3.5	0	4	4	0	4.5	5	6.5	3.5	7
7	1601360193	DALAVE KIRTHNALINI RAJKUMAR	3	2.5	1	4	0		2	15	1	1.5		0	3		2	3	5.5	5	5.5	3	4			
8	1601360081	DANGE NIKITA SANJAY	2	2	0	0	0	2	1	0	3	3	2		1	0.5	2	1	5	3	5.5	1	4			
9	N40144009	DHUMAL SWATIBALAJI	15	3	0.5	3	1			2	15	2	1	1	1	3		1	3.5	6.5	2	4	6			
10	N40144079	DURUGKAR MAYURI ATUL	3	2.5	3	4	1	2.5		15	3	3	3	3		4	3	0	4	4	3	12	8.5	7	11	
11	N40144045	GAIKVAD MUKTA VITTHAL	1	3	2	0	2.5	3	1	3.5	0.5	3	2				3.5	3	4	4	6	9.5	13	3.5	7	
12	1601360176	GAIKVAD SUPRIYA MANIK	3	2		2	0	15	15	0	1	2	0.5		1	0	3.5	1	4	5	5.5	1	3			
13	N40144072	GATADE VAISHNAYI GURULING	3	2.5	2.5	3	0	2	15		2.5	1	0	1	2	2	1	0.5	3.5	8	3	6	3	6.5		
14	1601360184	GHOGARE RUTUJA RAJKUMAR	3	3	15	4	2	2	2	0	2.5	0	2.5		1	3.5	3	3	1	7	3.5	9.5	3.5	5		
15	1601360167	GHOGARE SWAPNALI SHIVAJI	0.5	3	3	2	4	4	1	2	4	3	1			3.5	4	4	4	7.5	13	12	3.5	7		
16	N40144049	GIRI ANJALI SHIVAJI	3	2	2	3	0	2	0.5	0	3	2		0	2	1.5	3.5	4	5	11	7.5	2	7			
17	N40144002	GIRI ANKITA ANANTRAO	3	2.5	0	0	0	3	0	15	2	1		0	0	0	4	1.5	0	5	4.5	5	3	2.5		
18	1601360173	GODARKAR RAJINI VISHNUDAS	3	3	3	0.5	1	2	3	1	2.5	3	2.5	1	0	3	1	4	2	0	8.5	9.5	11	4	5	
19	1601360191	HEMBADE PRIYANKA NILKANTH	15	3	3	2	4	2.5	1	3	15	3.5	2	3	0	15	0	1	1	4	4	8	12	11	0	11.5
20	1601360159	JANGAPALLE ROHINI KAMALAKAR	1	2.5	0	4	3	0	15	15	15	0		1	2		0		2.5	8.5	0	2	2.5			
21	N40144022	KESKAR AMRITA RAJENDRA	2.5	3	15	0	4		1	3	2	0		0	0	2.5	3.5	4	3.5	7	6.5	7.5	2.5	5.5		
22	N40144099	LAD DIVYA DILIP	2.5	3		15	0	2	1	1	1	2	0.5		0.5	0	2	0	3.5	5.5	1.5	3	4.5			
23	1601360154	LOBHE VIRUSHALI NANDKISHOR	3	3	15	4	4	1	1	15	0			1	0	0		0	6	12	1	1	0			
24	1601360161	MALI RAJANI RAMRAO	3	3	1	4	4	4	2	2.5	3	1			3.5	3.5	4	3	6.5	11	8.5	3.5	6			
25	1601360181	MALLADE DIVYA VIJAYKUMAR	3	0	0	3	4	2.5	0.5	4	15	2.5	15	0.5	0.5	3.5	4	4	4	2	8.5	16	14	4	6	
26	1601360170	MUGALE SUPRIYA RAMESH	0	3	1	0	0	1		1	2.5	0.5		0	0.5	0	0.5	0	3.5	3	0.5	0.5	0.5			
27	N40144049	NAIK RENUKA LAXMIKANT	15	1	0.5	2	2	0	0	0.5	2.5	2	0	0	0	3.5	0	15	0.5	4.5	5	0	3.5	4		
28	1601360011	NAIKWADE NEHA VIKAS	15	3	15	0	4	2	1	4	2.5	3	3			4	4	15	3.5	4	5.5	6.5	14	4	10.5	
29	N40144066	NATAVE ARATI RAM	3	3	15	4	3	4	1	3.5	3	0.5			1	4	3.5	4	8	11	12	1	7			
30	N40144054	PADE VAISHNAYI SUKHDAY	1	2.5	15	0.5	4	4	2	15	4	3	0.5			3.5	4	4	3.5	6.5	13	11	3.5	6.5		
31	1601360021	PAWALE ARATI NAGNATH	1	3	2.5	4	1	2.5	1	15	3	3			4	2	2.5	4	3.5	12	11	4	7			
32	N40144026	SATPUTE PRATIKSHA SURYAKANT	3	0	0	0	0	0	0.5	2	0	0						5	0.5	0.5	0	0				
33	N40144024	SAYATHINAKSHI DANDUSAHEB	15	2	3	2.5	2	4	1		3	1	1			3.5	0	1	0	7.5	10	5.5	3.5	1		
34	N40144003	SHERIKAR PRATIBHA SUDHAKAR	15	3		3.5	4			15	2	3	0			3.5	4	4	2.5	0	3.5	9	8	3.5	5.5	
35	N40144002	SINGARE PRIYANKA SANJAY	0	3	15	4	3	15		15	3	1			3.5	1	4	2	3	7	7	7.5	3.5	5		
36	N40144034	SINGARE PRATIKSHA SURESH	2.5	2.5	15	0	1			15	2	0	0		0	0	15	0.5	1	6	4	0.5	1.5	1		
37	N40144049	SOLANKI SHVETA TANAJI	15	3		3	1.5			15	2	0	0		0	0	3		3.5	4.5	0	3	0			
38	N40144023	SURTAWANSHEE PRATIKSHA BALAJI	3	3	2	4	2	3	3	2	2	1	2.5		4	2	3.5	4	7	11	13	6.5	4			
39	1601360165	TAGARE PRIYANKA PRALHAD	3	3	3	0.5	4	3	15	1	15	1	2	0.5	0	3.5	3.5	3	3	7.5	13	12	4	4		
40	1601360101	TAHBEKAR AISHWARYA MARSHING	15	3	15	2	2	1	1	2.5	0	1.5	0	0	3.5	1	4	2	0	5.5	7.5	7.5	3.5	2		
41	1601360193	TEKALE SAPNA SANJAY	3	2		3.5		2		3.5	2.5	1.5	0	0	3.5	4	3.5	15	6.5	3.5	11	3.5	4			
42	N40144042	VISHWAKARMA SHRILAL RAMESH	3	2.5	3	1	3	4	2	2	3	0	3		4	2.5	4	3	6	14	13	4	6			
43	N40144059	VISHWAKARMA SWATI KAILAS	2	3	0		1		15	3	1	1			3.5	0	3		3	5.5	2	3.5	6			
44	N40144041	WAGHMARE DIVYA RAJABHAI	3	2.5	0.5	3	2	1			2.5	3	0		0.5			1	6	6.5	1	0.5	4			
45	1601360195	WAGHMARE SWAPNAJA PANDURANG	3	0.5	0	0	0	15	0.5	1	2	0.5		0	0	0	0	4	5	2.5	0	2				
46	1701360276	BONDAR PRAGATI RAJENDRA	3	3	1	0	3.5	2.5	3	2	2	3	2		4	0.5	0	2.5	6	9	5.5	4	5.5			
47	1701360274	DATAL JAYSHREE TUKARAM	3	3	0	3	2			3.5	3	0		0	0.5	0	2	6.5	5	0	3.5	5				
48	1701360273	DEVKAR AMBIKA BHIMU	0	0	0	0.5	2	0		1	2	0		0	0	3		1	2.5	0	3	2				
49	1701360271	DMOLE SHRADHA RAJESHVAR	0	1.5	3	0	0	15		3.5	15	0	0	0.5	1	0	1.5		6.5	4.5	3	1	2			
50	1701360272	EKUNDE PALLAVI RAJU	0	2.5	0.5	0.5	2	0	1		0	2	1	0.5	1	0.5	0	2.5	3.5	3.5	1	3				
51	1701360278	HADOLE SANJIVANI SHAMRAO	15	0	0	4	15	15	15	2	3	0			2.5	0	0	0	3.5	7	3	2.5	3			
52	1701360277	LONI DHANASHRI MAHESH	3	0.5	0	0	1	15	0	1	0	3	1		2	2	0	4	1	3	2.5	5	2	5.5		
53	N40144042	MORE TANUJA KAMLAKAR	2.5		2	0	3		15	0.5	3	0		0	2				0.5	6.5	0	2	3			
54	N40144059	MAMIDWAR AKSHATA UMESH	2.5	2.5	15	0	3.5	0	1	0	0	2	3.5	3	0	0	0	2	1	7.5	8	0.5	1.5	3.5		
55	N40144041	GADIE SONAM SUNIL	3	3	0	3.5	3.5	0.5	15	1	1	1	0	0	0	0	0	1	4	3	1	0	1			
56	1701360195	SURVASE POONAM CHANDAR	1	1.5	0	15	15			2		0	0	1	0				3	3	0	0.5	0			
57	1701360276	WAGHMARE SHRADHHA PRADEEP									0	1	1					0	0	0	0	0.5	0.5			

Similarly, CO attainment for progressive test has been determined and recorded as given in the following table.

Total No.Of Students	57				
Course Outcome	CO1	CO2	CO3	CO4	CO5
Max Marks	10	19	22	10	15
Set threshold (40%) of marks of each CO	4	7.6	8.8	4	6
Number of student above threshold value(40%)	41	23	15	11	17
% OF students Above target marks	72	41	27	20	30
Attainment Level	3	0	0	0	0

External assessment for End Semester Exam(TH And PR ESE) and internal assessment PA-TW is given below

Course Code-17534		Microcontroller		
		External		Internal
SR.NO	Enrollment Number	TH-ESE	PR-ESE	PA-TW
		100	50	25
1	1601360075	85	45	19

2	1601360017	81	46	20
3	1601360104	56	45	20
4	1601360095	67	44	20
5	1601360179	67	43	20
6	1601360013	83	47	22
7	1601360193	74	45	20
8	1601360081	45	45	20
9	1601360035	58	45	20
10	1601360079	83	47	21
11	1601360045	86	46	22
12	1601360176	69	45	20
13	1601360072	71	45	20
14	1601360184	85	46	21
15	1601360167	78	49	22
16	1601360065	69	45	20
17	1601360032	65	46	21
18	1601360173	75	42	21
19	1601360191	77	45	21
20	1601360158	56	45	22
21	1601360023	77	48	21
22	1601360098	44	43	19
23	1601360154	57	41	19
24	1601360161	85	47	21
25	1601360181	90	49	22
26	1601360170	53	48	21
27	1601360009	40	40	20
28	1601360011	94	47	22

29	1601360008	90	46	22
30	1601360054	89	46	21
31	1601360021	85	49	23
32	1601360200	12	41	19
33	1601360026	81	46	21
34	1601360003	87	46	21
35	1601360002	85	43	21
36	1601360034	42	46	21
37	1601360049	31	47	22
38	1601360025	86	47	22
39	1601360165	79	46	21
40	1601360101	68	47	22
41	1601360199	63	46	21
42	1601360062	83	48	22
43	1601360059	66	45	21
44	1601360048	58	45	21
45	1601360195	31	45	21
46	1701360276	76	46	21
47	1701360274	70	42	21
48	1701360273	24	40	17
49	1701360271	58	40	21
50	1701360272	40	46	21
51	1701360278	42	45	20
52	1701360277	58	46	21
53	1601360062	24	31	20
54	1601360059	63	47	22
55	1601360048	64	45	20

56	1601360195	20	45	20
57	1701360276	40	25	12
Total No. of Students	57			
Max Marks	100	50	25	
Target Defined	53.94	26.97	15	
Total no. of students scoring more than target	43	51	51	
% of student above target Marks	76	90	90	
Attainment Level	3	3	3	

Note- For external ESE target defined as per MSBTE Board TSI, for internal progressive TW target is decide by internal faculty is 60%.

In case of ESE, PR, TW same attainment level consider for all CO.

Direct attainment calculated by same method for all courses.

CO	Direct Attainment			
	Internal Tool		External Tool	
	TH-PA	PA-TW	PR-ESE	TH-ESE
CO1	3	3	3	3
CO2	0	3	3	3

CO3	0	3	3	3
CO4	0	3	3	3
CO5	0	3	3	3
Average Attainment	2	3	3	1
Individual Weightage (%)	5.41	13.51	27.03	54.05
Direct Total Attainment	0.032432432	0.40540541	0.810810811	1.6216216
Total Course Attainment	2.8702703			
Overall Weightage	100%			
Overall Direct Course Attainment	2.88			

3.3 Attainment of Program Outcomes and Program Specific Outcomes (40)

Total Marks 40.00

3.3.1 Describe assessment tools and processes used for assessing the attainment of each POs and PSOs as mentioned in Annexure 1 (10)

Institute Marks

10.00

Assessment tools used for assessing the attainment of each POs and PSOs is shown below

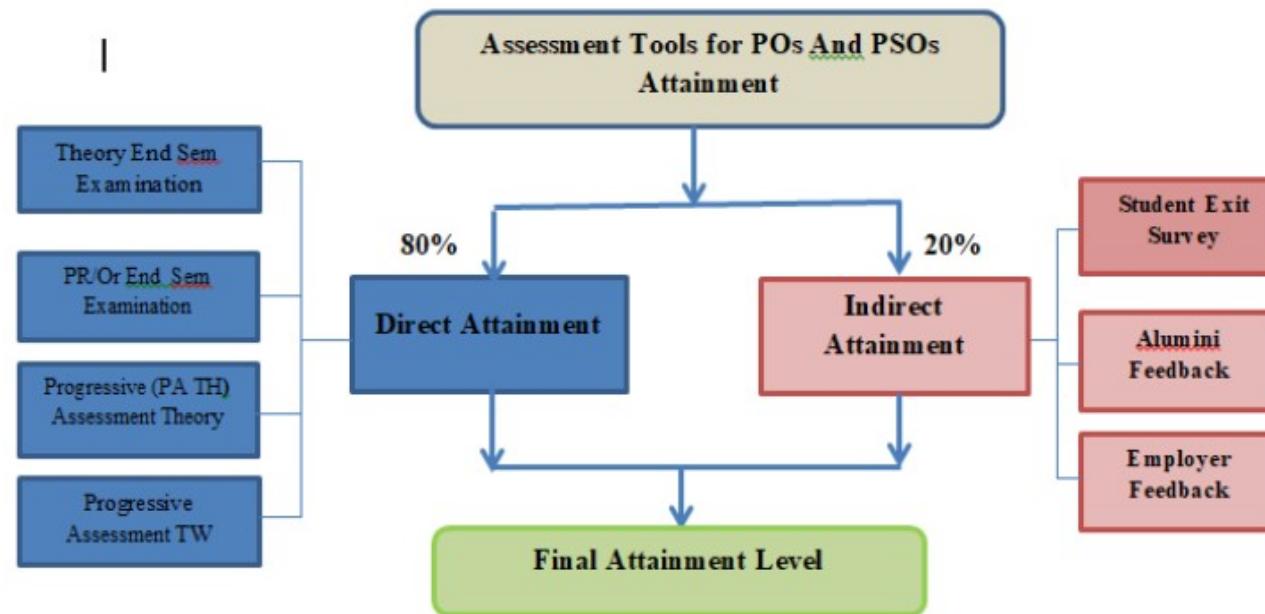


Figure 3.3.1a Assessment tools used for assessing the attainment of each POs and PSOs

Assessment tools used for assessing the attainment of each POs and PSOs is describe as follows

1. In each course of curriculum, the outcomes are defined/set by respective faculty member of the course.
2. The COs of each course are mapped with POs and PSO. This mapping is done over the scale of 1 to 3, where; 1 is Low, 2 is Medium and 3 is high.
3. This mapping matrix is presented in Table 3.1.4 which shows the mapping matrix of CO and POs/PSOs of all the courses of the program including First year courses as well as elective courses of the program.
4. By using different assessment (internal and external) tools overall direct CO attainment is calculated for each course.
5. Direct PO/PSOs attainment calculated by following formula.

Direct PO/PSOs attainment value = (PO/PSO value of corresponding course PO /PSO matrix X Overall CO Attainment value for the same course)/ 3 (maximum attainment level)

Example of direct PO attainment calculation for Course microcontroller is given below

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
Average Contribution of each CO to each PO/PSO (A)	A	2	2	3	2	1	1	1	3	3
Overall Course Attainment (B)	B	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
Direct attainment level	C=(AXB)/3	1.92	1.92	2.88	1.92	0.96	0.96	0.96	2.88	2.88

6. For indirect attainment feedback from different stakeholders are consider.

7. Total attainment is calculate for each course = 80% of direct attainment + 20% of indirect attainment.

3.3.2 Provide results of evaluation of each PO & PSO (30)

Institute Marks

30.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C101	2	0	0	0	0	0	3
C102P	2	2	2	2	2	2	2
C102C	2.26	1.51	0.76	0.76	0.76	0	1.51
C103	3	2	2	1	1	1	2
C104	3	3	2	2	1	3	2
C105	0.8	0.87	1.34	1.87	1.34	0.67	1.34
C106	1.7	1.5	1.7	1.3	1.3	1	1.3
C107	2	0	0	0	0	0	3
C108P	3	2	2	2	2	2	2
C108C	3	2	1	1	1	1	1
C109	2.89	0.97	0.97	0	0	0	2.89
C110	3	2	1	1	1	0	2
C111	2	3	0	0	0	0	3
C112	2	1	1	2	1	0	2
C201	2.84	0.95	0.95	0.95	0.95	0	1.9
C202	1.9	1.9	1.9	1.9	0.95	1.9	0.95
C203	2	2	2	2	1	2	1
C204	2.84	2.84	0.95	0.95	1.9	0.95	0.95

C205	1.93	1.93	1.93	1.93	1.93	0.97	0.97
C206	2	1	3	1	1	1	1
C207	1	1	1	0	1	1	2
C208	2	1	2	2	3	2	3
C209	2.95	0.99	1.97	1.97	1.97	0.99	1.97
C210	1.92	1.92	2.88	1.92	0.96	1.92	0.96
C211	1.82	1.82	1.82	1.82	0	0.91	0.91
C212	2.92	1.95	1.95	1.95	0.98	0.98	0.98
C213	2	0	2	2	1	1	2
C214	1	1	1	0	1	1	2
C301	1.35	0.9	0.9	0.9	0.45	0.45	0.45
C302	1.92	1.92	2.88	1.92	0.96	0.96	0.96
C303	3	2	2	2	1	2	1
C304	1.63	2.44	1.63	0.82	0	0.82	0.82
C305	2.83	2.83	2.83	1.89	1.89	1.89	0.95
C306	2	1	1	1	2	2	3
C307	0	0	0	1	2	2	3
C308	1	1	1	0	1	1	2
C309	0.34	0.34	0.34	0.17	0.17	0.34	0.34
C310	1.97	1.97	1.97	1.97	1.97	1.97	0.99
C311	1.92	1.92	2.87	1.97	0.96	1.92	0.96
C312	1.96	1.96	2.94	1.96	1.96	0.98	0.98
C313	2.55	1.7	1.7	1.7	1.7	0.85	0.85
C314 Not Offered(elect)	0	0	0	0	0	0	0
C315	2	1	2	3	0	1	2

C316	2	2	2	2	2	2	2
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PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.10	1.67	1.72	1.60	1.34	1.36	1.63
InDirect Attainment	2.46	2.23	2.26	2.24	2.29	2.38	2.38
PO Attainment	2.17	1.78	1.83	1.73	1.53	1.56	1.78

PSO Attainment

Course	PSO1	PSO2
C101	0	0
C102P	0	0
C102C	0	0
C103	2	0
C104	2	2
C105	0.67	2
C106	0	0
C107	0	0
C108P	0	0
C108C	0	0
C109	2.89	1.93
C110	0	0
C111	0	0
C112	2	0

C201	1	0
C202	1.9	0
C203	1	0
C204	0.95	0.95
C205	0.97	0
C206	1	1
C207	1	1
C208	0	0
C209	0.99	0
C210	2.88	1.92
C211	1.82	0
C212	0.98	0.98
C213	1	1
C214	1	1
C301	0.9	0.45
C302	2.88	2.88
C303	1	0
C304	0.82	0.82
C305	2.83	2.83
C306	0	0
C307	0	1
C308	1	1
C309	0	0
C310	1.97	0.99
C311	1.92	2.87
C312	2.94	2.94

C313	0	1.87
C314(ELECTIVE) NOT	0	0
C315	0	3
C316	2	2

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	1.58	1.66
InDirect Attainment	2.46	2.19
PSO Attainment	1.76	1.77

4 STUDENTS' PERFORMANCE (200)

Total Marks 141.84

Institute Marks

Intake Information:

Table 4.1

Item	2019-20 (CAY)	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)	2015-16 (CAYm4)	2014-15 (CAYm5)
Sanctioned intake strength of the program((N)	60	60	60	60	60	60
Total number of students, admitted through state level counseling (N1)	67	63	63	63	63	63
Number of students, admitted through Institute level quota (N2)	0	0	0	0	0	0
Number of students, admitted through Lateral Entry (N3)	0	8	6	12	17	12
Total number of students admitted in the programme(N1 + N2 + N3)	67	71	69	75	80	75

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully passed without backlogs in any year of study		
		I year	II year	III year
2019-20	67	0	0	0
2018-19	71	19	0	0
2017-18	69	16	15	0
2016-17 (LYG)	75	45	36	34
2015-16 (LYGm1)	80	36	30	30
2014-15 (LYGm2)	75	58	35	35

Table 4.3

Year of entry	Total No of students admitted in the program(N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study [Total of with Backlog + without Backlog]		
		I year	II year	III year
2019-20	67	0	0	0
2018-19	71	45	0	0
2017-18	69	47	46	0
2016-17 (LYG)	75	55	55	51
2015-16 (LYGm1)	80	55	56	51
2014-15 (LYGm2)	75	58	62	62

4.1 Enrolment Ratio (20)

Total Marks 20.00

Institute Marks

20.00

	N (From Table 4.1)	N1 + N2 (From Table 4.1)	Enrollment Ratio [(N1 + N2 / N)*100]
2019-20	60	67	111.67
2018-19	60	63	105.00
2017-18	60	63	105.00

Average [(ER1 + ER2 + ER3) / 3] : 107.22

Assessment : 20.00

4.2 Success Rate in the stipulated period of the program (60)

Total Marks 31.53

4.2.1 Success rate without backlogs in any year of study (40)

Institute Marks

17.20

Item	Latest Passed Batch (2017-18)	Latest Passed Batch minus 1 Batch (2016-17)	Latest Passed Batch minus 2 Batch (2015-16)
Total Number of students (X) (admitted through state level counseling + admitted through Institute on Level quota + admitted through Lateral entry) (N1 + N2 + N3)	75.00	80.00	75.00
Number of students who have graduated without backlogs in the stipulated period (Y)	34.00	30.00	35.00
Success Index [SI = Y / X]	0.45	0.38	0.47

Average SI [(SI1 + SI2 + SI3) / 3] : 0.43

Assessment [40 * Average SI] : 17.20

4.2.2 Success rate in stipulated period (20)

Institute Marks

14.33

Item	Latest Year of Graduation, LYG (2016-17)	Latest Year of Graduation minus 1, LYGM1 (2015-16)	Latest Year of Graduation minus 2 LYGM2 (2014-15)
Total Number of students (X) (admitted through state level counseling + admitted through Institute on Level quota + admitted through Lateral entry) (N1 + N2 + N3)	75.00	80.00	75.00
Number of students who have passed in the stipulated period (Y)	51.00	51.00	62.00
Success Index [SI = Y / X]	0.68	0.64	0.83

Average SI[(SI1 + SI2 + SI3) / 3]: 0.72

Assessment [20 * Average SI] : 14.33

4.3 Academic Performance in Final Year (15)	Total Marks 10.52
	Institute Marks 10.52

Academic Performance	2016-17 (LYG)	2015-16 (LYGM1)	2014-15(LYGM2)
Mean of CGPA or mean percentage of all successful students(X)	7.47	7.30	7.47
Total number of successful students(Y)	51.00	51.00	62.00
Total number of students appeared in the examination(Z)	55.00	56.00	62.00
API [X*(Y/Z)]:	6.93	6.65	7.47

Average API [(AP1 + AP2 + AP3)/3] : 7.02

Assessment [1.5 * Average API] : 10.52

4.4 Academic Performance in Second Year (20)	Total Marks 10.97
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Institute Marks
10.97

Academic Performance	2017-18(CAYm2)	2016-17(LYG)	2015-16(LYGM1)
Mean of CGPA or mean percentage of all successful students(X)	6.84	6.67	6.48
Total number of successful students (Y)	46.00	55.00	56.00
Total number of students appeared in the examination (Z)	53.00	67.00	72.00
API [X * (Y/Z)]	5.94	5.48	5.04

Average API [(AP1 + AP2 + AP3)/3] : 5.49

Assessment [2.0 * AverageAPI] : 10.97

4.5 Academic Performance in First Year (25)

Total Marks 12.82

Institute Marks
12.82

Academic Performance	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (LYG)
Mean of CGPA or mean percentage of all successful students(X)	5.91	6.45	7.29
Total number of successful students(Y)	45.00	47.00	55.00
Total number of students appeared in the examination(Z)	63.00	63.00	63.00
API [X*(Y/Z)]:	4.22	4.81	6.36

Average API [(AP1 + AP2 + AP3)/3] : 5.13

Assessment [2.5 * AverageAPI] : 12.82

4.6 Placement and Higher Studies (40)

Total Marks 36.00

Institute Marks
36.00

Item	2016-17 (Last Year Graduate,LYG)	2015-16 (Last Year Graduate Minus 1 Batch,LYGm1)	2014-15 (Last Year Graduate Minus 2 Batch,LYGm2)
Total No of Final Year Students(N)	55.00	56.00	62.00
No of students placed in the companies or goverment sector(X)	2.00	1.00	2.00
No of students admitted to higher studies (Y)	43.00	50.00	56.00
No. of students turned entrepreneur in the respective field of engineering/technology (Z)	0.00	0.00	0.00
Placement Index [((1.25 * X) + Y + Z) / N]:	0.83	0.92	0.94

Average Placement [(P1 + P2 + P3)/3] : 0.90

Assessment [40 * Average Placement] : 36.00

Provide the placement data in the below mentioned format with the name of the program and the assessment year (separately for CAYm1, CAYm2 and CAYm3):

Program Name : Electronics & Communication Engg.

Assessment Year : 2018-19 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Mali Rajani Ramrao	1601360161	Philips India Pvt. Ltd. Chak	HRC1666087
2	Dhumal Aishwarya Uddhav	1601360015	Advick hi tech Pvt. Ltd. Cha	Ad4700

Assessment Year : 2017-18 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Patil Bhagyashree Shankar	1501360291	Leoni Wiring System	SKS0375

Assessment Year : 2016-17 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Jadhav Rajashree Dhanraj	1401360177	Dhoot Transmission Pvt. Lt	524C5452997
2	Gaikwad Pooja Rahul	1501360288	Ruby Insurance Marketing F	--

4.7 Professional Activities (20)

Total Marks 20.00

4.7.1 Professional societies/ student chapters and organizing technical events (10)

Institute Marks

10.00

A. Availability of Professional Societies/Chapters & Relevant activities (5)

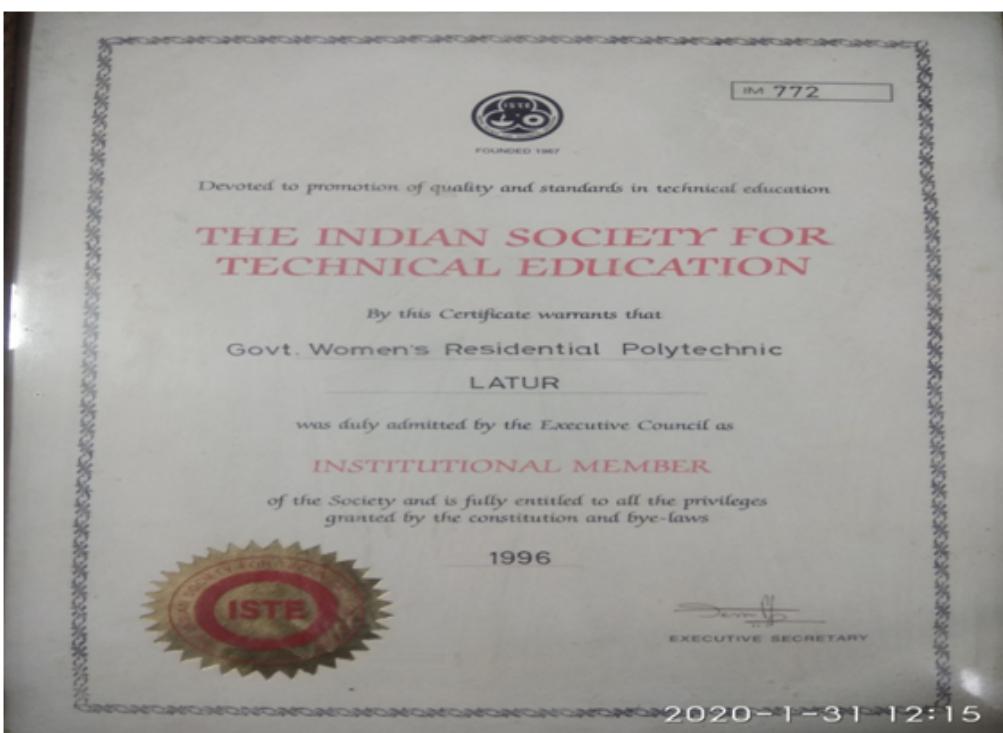
Institute Marks

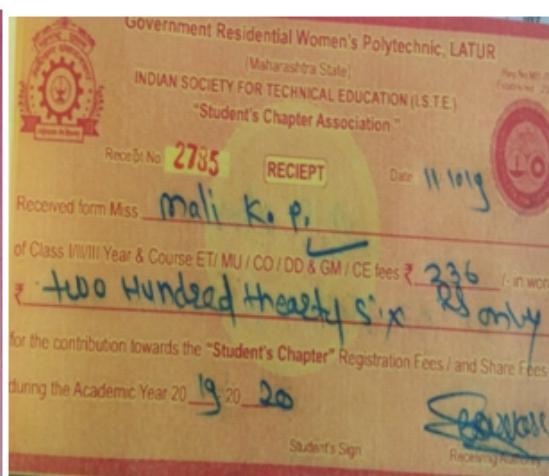
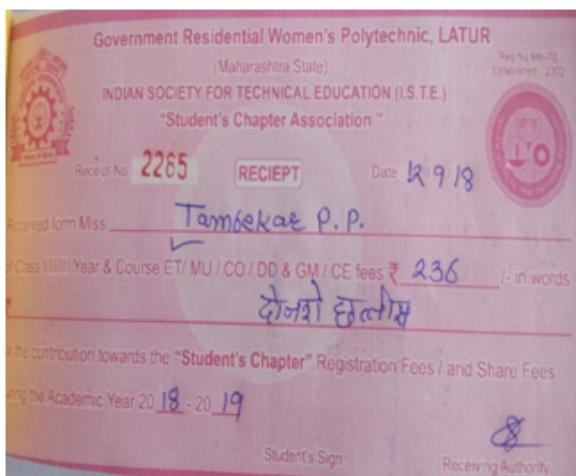
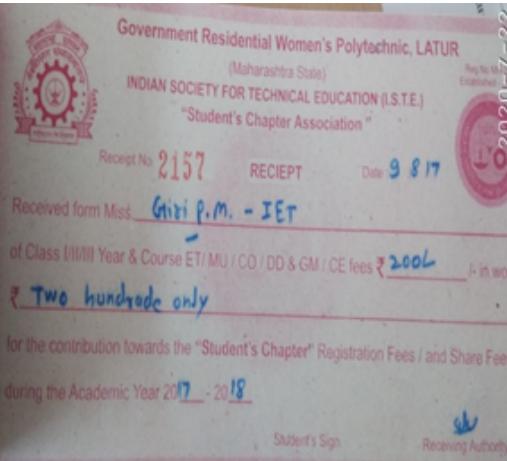
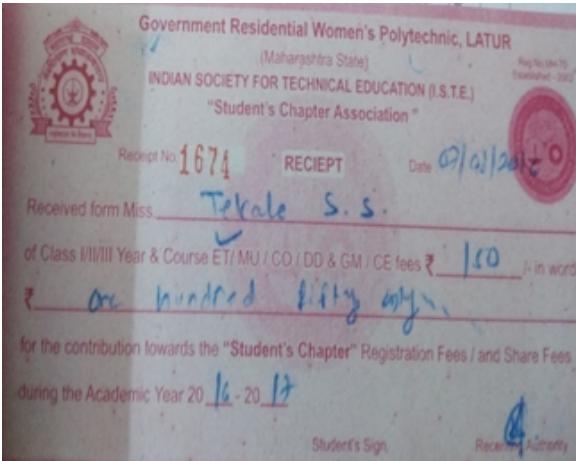
5.00

The Department has following professional societies / student chapter at institute level.

1. Professional societies /student chapter**The Indian Society for Technical Education, ISTE Student's Chapter,**

At institute level ISTE Student chapter is formed and is fully functional. All the students of Government Residential Womens Polytechnic, Latur are members of ISTE Student chapter. Electronics and Communication Engineering Department organizes Expert Lectures, Workshops, and Quiz Competitions under this chapter at departmental level or at institutional level. At the time of admission students are offered membership valid for three years , i.e. complete program duration. Part of the membership fees is retained by the Institute and is utilized for conducting various technical and professional activities like Expert Lectures, Workshops, and Quiz competitions etc. The Institutional Membership Certificate is as shown below.





Student Registration in ISTE (Sample Receipts)

2. Faculty Membership Of Professional Societies

Sr. No.	Name of Faculty member	Designation	Name of Professional society/organization	Type of membership	Membership Number
1	Mr.I.S.Awale	Selection Grade Lecturer	Indian Society for Technical Education (ISTE), New Delhi	Life Member	LM22184
2	Dr.S.D.Yardi	Selection Grade Lecturer	Indian Society for Technical Education (ISTE), New Delhi	Life Member	LM18917

		International MicroElectronics And Packaging Society (IMAPS)	Life Member	LM290
		Institute Of Electronics And Telecommunication Engineering	Life Member	M223441
3	Mrs. R.V. Mahagaonkar	Lecturer	Indian Society for Technical Education (ISTE), New Delhi	Life Member LM81208
4	Mrs.S.A.Agarkar	Lecturer	Indian Society for Technical Education (ISTE), New Delhi	Life Member LM2335

3. Professional Chapters

The Department has formed Student Association namely "Electronics and Communication Students Association - ECSA". Under ECSA, Department organises following events at department level during the Academic Year;

- Teacher's Day
- Engineer's Day
- Aayudh Poojan
- Fresher's welcome Program
- Departmental Alumni Meet
- Departmental Project Exhibition
- Poster Competition
- Women's Day Celebration
- Third year Send-off Program etc.

The Structure of ECSA is as follows.

S.No	Designation	Year	Name
1	President	Miss.P.V.More (2019-20)	Third year first class representative
2	Vice-President	Miss.V.B.Bansode (2019-20)	Second year first class representative
3	Secretary	Miss.S.S.Dhotre (2019-20)	Third year second class representative
4	Mrs.S.H.Chincholkar	2016-17	Departmental Co-coordinator
5	Mr.P.M.Kudale	2017-18	Departmental Co-coordinator

6	Mrs.A.S.Bhandare	2018-19	Departmental Co-coordinator
7	Mrs.R.V.Mahagaonkar	2019-20	Departmental Co-coordinator

Electronics And Communication department organised Alumini Meet during 2019-20 under ECSA . The photograph is as shown below.



ET Department Alumni Meet conducted on 15/02/2020

Department has organised Poster Presentaion on "Solar Energy Uses and Application". The photo of the event winners is as shown below.



Poster Presentation on "Solar Energy Uses and Applications" organised on 21/09/2020

1. Expert Lectures

S.No.	Name of the topic	Name and designation of Industry Expert/Faculty	Date	No. of Beneficiaries	Remarks
2019 - 2020					
1	Recent Advances in Electronics Engineering	Dr. S.S.Kanade, HOD Electronics Dept. G.P. Osmanabad	03/02/2020	55	Dept. Level Under ISTE
2	Computer Hardware & Networking	Mr. S.S.Bhandare Software Analyst, IT Orizon India Pvt. Ltd, Banglore	14/01/2020	67	Dept. Level Under ISTE
3	Orientation Program in "Emerging trends in Electronics"	MSBTE Video lecture	04/01/2020	42	Institute Level
4	Artificial Intelligence	Mr. Ishwar H. Chincholkar Software Engineer, Nuance Communication, Pune	05/10/2019	87	Dept. Level Under ISTE
5	STEP 2020 Preparation	Mr.B. Ganesh Director, Thought works Technology Pvt.Ltd, Pune	24/09/2019	44	Dept. Level Under ISTE
6	Optical Fiber Cable Installation and maintenance	Mr. Mahesh A. Chakote, Junior Telcom Officer,WTR,Bharat Sanchar Nigam Limited, Latur	18/09/2019	87	Dept. Level Under ISTE
7	Industry 4.0	Dr. Anup vibhute, SVERI, COE, Pandharpur	15/09/2019	47	Dept. Level
2018 - 2019					
8	Optical Fiber Communication	Mrs. J.S.Hatte, Assistant Professor,M.S.Bidve Engg. College, Latur	31/01/2019	42	Dept. Level Under ISTE

9	STEP 2019 Preparation	Mr.B. Ganesh, Director, Thought works Technology Pvt.Ltd, Pune	08/01/2019	42	Dept. Level
10	Arduino Tutorial and Video Lecture	IIT Bombay	31/12/2018	50	Dept. Level
11	Digital Image Processing	Mrs. Swati S.Shetkar, Assistant Professor, M.S.Bidve Engg. College, Latur	28/09/2018	68	Dept. Level Under ISTE
12	Use of Pspice Software	Mrs. S.S. Gaikwad, Lecturer, Puranmal Lahoti Govt. Poly. Latur	28/09/2018	83	Dept. Level Under ISTE
13	Project report preparation for small scale Industries	Mr. P.N. Gudsurkar, Atharwa Consultancy, Latur	11/09/2018	66	Dept. Level Under ISTE
14	Need Of In plant Training	Mr. Aniket B Deshmukh, Training Engineer, IGTR , Aurangabad.	06/10/2018	73	Dept. Level
15	Logical Thinking Power	Mrs. V.B. Swami Director, Orange Software Pvt. Ltd, Latur	26/07/2018	285	Institute Level
16	Tele-communication Technologies	Mr. Sandip S. Shastri, Junior Telecom Officer, Bharat Sanchar Nigam Limited, Latur	25/07/2018	109	Dept. Level Under ISTE
17	Motivation and Time management	Mr. R.A.Kulkarni, Lecturer in Mechanical Engineering. Govt. Resi. Women's Polytechnic, Tasgaon	05/07/2018	224	Institute Level
2017-2018					
18	Artificial Neural Networks	Dr.K.M.Bakwad, HOD, P.L.G.P. Latur	01-02-18	105	Dept. Level Under ISTE
19	Economics in Day Today Life	Dr.S.S.Kondekar, Asst. Prof. at S.R.T.M.U, Extension Center, Latur.	05-08-17	114	Dept. Level Under ISTE

20	Communication Skill Development Programme	Mr. Sacchidananda Dhage, Mr.Vivekanand Dhage Spoken English Experts	06-09-17	104	Institute Level
21	Carrier Planning Programme	Mr.Devichand Kataria , Carrier Consultant, Seed Management Services Pvt. Ltd, Pune.	20-01-18	103	Institute Level
22	Programme on Career Opportunities	Dr.S.G.Kahalekar, Professor, S.G.G.S. Institute Of Engineering & Technology, Nanded	23-02-18	107	Institute Level
2016 - 2017					
23	Wavelength Division Multiplexing Technology	Mr.L.M.Tawade, Lecturer, VDF Polytechnic, Latur	22/02/2017	68	Dept. Level Under ISTE
24	Embedded System And Applications	Mr.P.P.Ambekar, Director, C-DSP, Aurangabad	19/09/2016	68	Dept. Level Under ISTE
25	Recent Trends in Communication	Mr. M.J.Pingle, Lecturer, Govt. Poly. Ambad	27/07/2016	68	Dept. Level Under ISTE

2. Workshops/Events

Sr. No.	Name Of Workshop/Event	Conducting Authority/Expert	Date	No. Of Beneficia
2019 - 2020				
1	Work shop on "Internet of Things"	Technicall collaboration with IIT , Mumbai	6/01/2020 & 7/01/2020	113
2	Student Solar Ambassador workshop	GRWP, Latur in association with GGSY-SSA ,IIT, Mumbai	02/10/2019	49
3	Quiz Competition	GRWP Latur, ET Department	25-09-2019	32
4	Poster Presentation on "Solar Energy Source"	GRWP Latur ET, Department	21-09-19	130

5	Workshop on "Advanced Communication Technique"	SVERI COE, Pandharpur	15/09/2019 & 16/09/2019	46
2018 - 2019				
6	Workshop on "Advance Communication System"	Mr. Mahesh S. Mathapati, Asst. Professor, SVERI's COE, Pandharpur	29/01/2019 and 30/01/2019	67
7	Pranayam and Yoga	Mr. Mundhe Vankat B. Yoga Teacher,Patanjali Yog Peeth, QCI level 2, Latur	07/09/2018	456
2017-2018				
8	On the occasion of Women's Day Rangoli Competition	Collector Office Team in association with GRWPL Latur Nodal Officer team	07/03/2018	60
9	Workshop on "Arduino and Hands On Experience"	Prof. H.K.Bhaldar, Prof. M.S. Mathpati, Miss. Dipali Pujari, Miss. S.n. Dhotre, Miss, A. Birajdar Assistant Professor, SVERI COE, Pandharpur	23-01-2018 & 24-01-2018	56
10	Workshop on "Career Planning "	GRWP Latur in association with Seed Management Services, Pune	20/01/2018	68
2016 - 2017				
11	Departmental Technical Quiz	GRWP Latur ET Department	18/03/2017	60
12	workshop on Mobile Communication	Mr.A.J.Shaikh , Mr.J.J. Shaikh	30/01/2017 to 01/02/2017	64

3. Industrial Visits

Sr. No.	Name of Industry visited	Date of visit	Faculty Participated	Number of Beneficiaries
2019 - 2020				
1	Arty OffSet, MIDC, latur	07/02/2020	Mr .A.S. Laturkar , Mrs.S.H.Chincholkar	55
2	Bharat sanchar Nigam Ltd, Latur	05/10/2019	Mrs. A.S.Bhandare, Mrs. R.V.Mahagaonkar	55
3	Shri Sai baba Green Power Ltd. (Solar Plant),Gondri,Tq- Ausa, Dist.Latur	23/09/2019	Mrs. R.V.Mahagaonkar, Mrs.A.S.Bhandare	55

4	A-Farm Harangul Bk, Latur	09/08/2019	Mrs. S.A.Agarkar ,Mrs. A.P. Ghode	47
5	Water purification Plant	07/08/2019	Mrs. S.A.Agarkar Mrs. R.V.Mahagoonkar	45
6	Sharma Telicom, Subhash Chowk, Latur	04/08/2019	Dr. S.D.Yardi Mr. P. M.Kudale	46
2018 - 2019				
7	Uma udyog Industries, M.I.D.C. Latur	26/09/2018	Mrs. R.V.Mahagoankar Mr.A.G Badade Mrs. A.S.Bhandare	55
8	High power TV Transmitter, Pimpala, Ambejogai	19/09/2018	Mrs. S.A.Agarkar, Mr.A.G Badade Mr. P.M.Kudale	43
9	Digital Art, .Prakash nagar, Latur	02/09/2018	Dr. S.D. Yardi	70
10	Bharat sanchar Nigam Ltd, Latur	01/09/2018	Mrs. S.H.Chincholkar Mrs. A.S.Bhandare Mrs. R.V.Mahagoankar	74
2017- 2018				
11	Latur Cable Network,Latur	08/02/2018	Mr.I.S.Awale Mrs.S.H.Chincholkar Mr. P.M.Kudale	65
12	Uma udyog,MIDC,Latur	08/02/2018	Mr.I.S.Awale Mrs.S.H.Chincholkar Mr. P.M.Kudale	65
13	TV receiving Center, Osmanabad	16/09/2017	Mrs.S.H.Chincholkar, A.S.Agarkar, Mr. P.M.Kudale	Mrs 47
14	All India Redio, Osmanabad	16/09/2017	Mrs.S.H.Chincholkar, P.M.Kudale	MrsA.S.Agarkar, Mr. 47

15	Sunrich Aqua plant, MIDC Latur	07/09/2017	Mrs.S.H.Chincholkar Mr. P.M.Kudale Mrs.A.P.Ghode	67
16	Nana Gas Plant, MIDC, Latur	07/09/2017	Mrs.S.H.Chincholkar, Mr. P.M.Kudale Mrs.A.P.Ghode	67
2016 - 2017				
17	Lokmat Paper Agency	20-02-17	Mrs. S.A.Agarkar Mrs.A.P.Ghode Mrs. S.A.Agarkar	68
18	Malvadkar DE Ventura, MIDC, Latur	21-01-17	Mrs.S.H.Chincholkar Mrs. A.S.Bhandare Mrs. S.A.Agarkar	68
19	Mahananda Doodh Dairy, Latur	21-01-17	Mrs.S.H.Chincholkar Mrs. A.S.Bhandare Mr.A.G Badade	68
20	Doordarshan High power TV Transmitter, Ambejogai	23-09-16	Mrs. S.A.Agarkar Mrs. R.V.Mahagoankar Mr. P.M.Kudale	65
21	Sunrich aqua, MIDC Latur	03-09-16	Mrs. S.A.Agarkar Mrs. A.S.Bhandare Mr. P.M.Kudale	69

Every year annual magazine is published by the institute and circulated among all students, supporting and teaching staff as well as one copy is send to each Government Polytechnic, Regional offices of DTE and MSBTE. Part of the expenditure is compensated from the amount collected by advertisement. Students earn some money through commission on the advertisements collected form industry and other organizations. From academic year 2019-20 E-Magazine is being published instead of printed magazine In order to conserve nature through paper saving. Department of Electronics and Communications regularly published technical Magazines and News Letter.

In addition to this, it is worth to mention that Directorate of Technical Education publishes its own news letter. The e-copies of these news letters are available on DTE website. Recently, our institute was honored to contribute /to publish the big article on online activities and COVID 19 students activities.

Wall Magazine comprises articles, creative works, collection of current news related to Electronics and Communication Engineering by the students of department.

The editorial board for same is as follows:

S.No.	Name Of The Staff	Designation
1	Mrs. R.V. Mahagaonkar	Editor
2	Mrs. A.S. Bhandare	Co-Editor
3	Mrs. A.P. Ghode	Co-Editor
4	Third year Class Representative	Student Coordinator
5	Second year Class Representative	Student Coordinator

Online Activities of Institute During Lockdown....

MOOCs and Online activities conducted by Government Residential Women's Polytechnic Latur

"Government Residential Women's Polytechnic, Latur (DTE CODE :2016, MSBTE CODE: 0136)" is a renowned Women's Polytechnic Institute in Aurangabad division of Maharashtra state. Institute enjoys 100 percent admission status since many years. Academic results are excellent and normally range between 85 to 95 percent for Diploma examinations. Institute is sprawling on the 15 acres of residential campus with excellent academic facilities. All five academic departments, viz, Electronic and telecommunication, Computer Engineering, Medical Engineering, Civil Engineering and Dress Designing and Garment Manufacturing Dept. are awarded with "Excellent" grades in external academic monitoring by MSBTE, Mumbai during 2017-18 and 2018-19.

Keeping the track of worldwide news about the outbreak of COVID-19 since February 2020 and anticipating similar stage in India too, Principal Dr.A.M.Agarkar asked all the staff members to conduct extra classes, as and when possible, so as to complete syllabus at the faster rate. This enabled teachers to complete 85 to 90 percent syllabus by 10th March, 2020 through conventional teaching methodology.

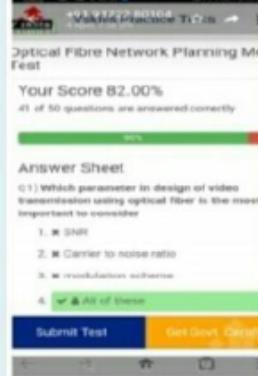
During the lockdown period which is imposed by the Government in the third week of March 2020 due to the outbreak of COVID-19, Principal Dr. A. M. Agarkar provided timely guidance, directions and provided all relevant information about online teaching - learning to all the Heads of Departments of the institute. Many a times, the valuable guidance from Hon.Director Dr. Abhayji Wagh Sir about online teaching learning platforms and its effective use has helped us a lot. This made it easier to complete the remaining 10 to 15 percent syllabus of each course and prepare students for final exams by contacting the students of the institute online during the lockdown period.

All the department heads have completed the rest of the course in a planned manner through online mode and have also completed the work of submission by giving guidance from time to time.

During this period, all the department heads of the institute have also taken subjectwise feedback from the students of all classes in the department. The parents of the students also provided the video feedback enthusiastically and appreciated the Distanced Teaching-Learning Process conducted by the lecturers of this institute.

One or more ways mentioned below are implemented and effectively monitored by all the teaching staff. Some representative examples are given here.

4.Mrs.S.A.Agarkar, lecturer In Electronics and Communication dept. in addition to online video lectures, has successfully given classroom feeling through whatsapp study group to the students by conducting mock test of subject Optical Networks and Satellites (22647) and took continuously the review of results of mock test through screen shots thereby giving students a chance to improve marks. Question banks were supplied and teacher continuously motivated all the students to complete the assignments using class note book, the way students would have completed these assignments in the regular class in stipulated time. This is done to give students a feeling of the classroom activity. Mrs.Agarkar shared the sample question papers and asked students to sit continuously for three hours at their home to solve sample question papers just so that students can get the feel of the exam hall. Students really enjoyed these simple techniques and cheerfully completed all the tasks given to them from their home. The video feedback given by these students showed their level of confidence and attainment of the knowledge level. Students were also given the chance to improve their performance in an online test (screenshots attached). Online results were monitored using whatsapp by Mrs.Agarkar and students responded positively by reappearing for the test again. Improvement in the results is seen in the screenshots attached below.



5. Mr. P.M. Kudale, Lecturer in ET conducted MCQ examinations of the students from time to time using the websites www.examradar.com, www.examsbook.com under the guidance of HOD (ET) Mr. A.S. Laturkar. All other lecturers in ET department used the Zoom app to take video lectures and completed online assignments, micro

Projects. Dr. Seema Yardi Madam has submitted a report on lockdown activities as annexed in this report.



DEPARTMENTAL HIGHLIGHTS

- Principal's Message
- HOD'S Message
- Placements
- Hands on Training
- Poster Presentation
- Guest Lectures
- Industrial Visits
- Toppers List
- Student Achievements

➤ Departmental Overview

Electronics and Communication Department has established in the year 1994. The Department has highly qualified and experienced faculty. The Department has well equipped Laboratories. The Department has organized Expert talk by eminent Professionals. Department has organized visits as per curriculum. The Department has organized various technical and non-technical events to enhance student's skills. The students of the department have actively participated and won in several technical events of State, National and inter -Institute level.

Vision And Mission Of The Department

Vision:

To become accredited department for the development of quality technical education to women, which leads to their empowerment and to meet ever demanding needs of electronics and communication field, which can strengthen social economy and make responsible person.

Mission:

1. To impart quality technical education through outcome based curriculum and effective teaching learning process.
2. To provide state of art infrastructure with sound technical environment to the students and faculties conducive to create excellence in technical education.
3. To enhance relationship with industry, society and alumna.
4. To develop skilled diploma engineer with technical expertise, professional attitude and ethical values.

DEPARTMENTAL E-NEWSLETTER 2019 - 2020

Students from Electronics and Communication Department contribute posters, paintings, sketches, poems etc for wall magazine.

4.7.3 Participation in inter-institute / state/national events by students of the program of study (5)

Institute Marks

5.00

Sr. No	Name of Student	Type of Competition/Event	Level (National/State/Inter - Institute)	Date	Organizing Body/ Organizing Institute	Awards (Winner/Participation)
2019 - 2020						
1	Mulla Tabsum Rajasab	E ² Logic 2K20 Programming Mania	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Second
2	Kulkarni Manasi Madhukar	E ² Logic 2K20 Programming Mania	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Third
3	Pawar Payal Rajabhau	E ² Logic 2K20 Idea Presentation	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Third
4	Pawar Payal Rajebhau	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	First
5	Swami Pooja Someshwar	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	First
6	Panchal Vaishnai	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	Third
7	Raut Supriya Jalindar	E ² Logic 2K20 Poster Presentation	Inter- Institute	14/09/2019	SVERI COE, Pandharpur	Third
8	Pawar Payal Rajabhau	E ² Logic 2K20 Programming Mania	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
9	Kolkute Rutuja	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
10	Kulkarni Mohini	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
11	Raut Supriya Jalindar	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
12	Panchal Vaishnavi	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
13	Mulla Tabsum Rajasab	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
14	Ghogare Neha	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
15	Pawar Payal Rajebhau	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
16	Swami Pooja Someshwar	E ² Logic 2K20 Project Competition	Inter- Institute	14/03/2020	SVERI COE, Pandharpur	Participation
17	Pawar Payal Rajebhau	E ² Logic 2K20 Paper Presentation	National	14/03/2020	SVERI COE, Pandharpur	Participation

18	Dolse Gayatri Deepak	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Gold Rank and Best Performance Award
19	Kavthale Pratiksha Pradip	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze rank
20	Kore Rutuja Somnath	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze rank
21	Pawar Anjali Santosh	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze rank
22	More Pranita Vyankatrao	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Bronze rank
23	Hake Anjali Ashok	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Participation
24	Kumathkar Pratiksha	Virtual Campus Recruitment Program 2020	State	01/03/2020	Sandipani Technical Campus, Kolapa, Latur.	Participation
25	Savargave Vaishnavi	Socio Technical Festa Pragyaa drink and Glow	National level	27/02/2020	SGSS I E&T, Nanded	Participation
26	Londhe Akita	Socio Technical Festa Pragyaa drink and Glow	National level	27/02/2020	SGSS I E&T, Nanded	Participation
27	Dolse Gayatri Deepak	Pragyaa drink and Glow	National level	27/02/2020	SGSS I E&T, Nanded	Participation
28	Gangthade Nikita	Socio Technical Festa Paper Electrica	National	26/02/2020	SGSS I E&T, Nanded	Participation
29	Daiwadnya Akanksha Shashikant	Socio Technical Festa Paper Electrica	National	26/02/2020	SGSS I E&T, Nanded	Participation
30	Waghmare Gayatri Keshav	Socio Technical Festa Paper Electrica	National	26/02/2020	SGSS I E&T, Nanded	Participation
31	Kumathkar Pratiksha Sugriv	Socio Technical Festa Pragyaa Tricky Circuits	National level	26/02/2020	SGSS I E&T, Nanded	Participation
32	Bansode Vaishnavi Balasaheb	Pragyaa Tricky Circuits	National level	26/02/2020	SGSS I E&T, Nanded	Participation
33	Savargave Vaishnavi	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Participation
34	Takale Anjali	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Participation

35	Lohare Tulasi Mahesh	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Participation
36	Kavatale Pratiksha Pradip	Virtual Campus Winner 2020 ,General Aptitude Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Participation
37	Kavatale Pratiksha Pradip	Virtual Campus Winner 2020 ,Personal Interview Round	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Participation
38	Kavatale Pratiksha Pradip	Virtual Campus Winner 2020 ,Outstanding Performance	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Participation
39	Dolse Gayatri Deepak	Virtual Campus Winner 2020	Inter institute	24/01/2020	M.S.Bidve College of Engineering Latur	Participation
40	Lohare Tulasi Mahesh	Student Conference	--	19/01/2020	ABVP, Latur	Participation
41	Sangve Vaishnavi Premkumar	Student Conference	--	19/01/2020	ABVP, Latur	Participation
42	Kavatale Pratiksha Pradip	Student Conference	--	19/01/2020	ABVP, Latur	Participation
43	Potdar RenukaAchyut	Circuit Schematic	National	15/09/2019	SVERI COE, Pandharpur	Winner
44	Kumbhar Shradha Dnyanoba	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERI COE, Pandharpur	Runner-up
45	Potdar Renuka Achyut	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERI COE, Pandharpur	Runner-up
46	SawalkarPritiShatrughan	OLYMPUS 2K19 Poster Presentation	National	15/09/2019	SVERI COE, Pandharpur	Participation
47	Kavthale Pratiksha Pradip	OLYMPUS-2K19 Poster Presentation	National	15/09/2019	SVERI COE, Pandharpur	Participation
48	SawalkarPritiShatrughan	Techno Buzz under OLYMPUS 2K19	National	15/09/2019	SVERI COE, Pandharpur	Participation
49	Sangave Vaishnavi Premkumar	Chess	Inter Zonal Sports	& 24 /02/2020	GRWP, Tasgaon	Winner
50	Swami Rutuja Virbhadra	Chess	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
51	Pawar Payal Rajebhau	Kabaddi	IEDSSA Inter Zonal Sports	& 23/02/2020 24 /02/2020	GRWP, Tasgaon	Winner
52	Shete Aditi Irappa	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner

53	Rukme Srushti Govind	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
54	Bhosale Pooja Santosh	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
55	Gode Priti Baliram	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
56	Raut Supriya Jalindar	Kabaddi	IEDSSA Inter Zonal Sports	23/02/2020 & 24 /02/2020	GRWP, Tasgaon	Winner
57	Hake Anjali Ashok	Volleyball	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
58	Sawalkar Priti Shatrughan	Volleyball	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
59	Pawar Payal Rajebhau	Volleyball	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
60	Sangave Vaishnavi Premkumar	Chess	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
61	Swami Rutuja Virbhadra	Chess	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
62	Pawar Payal Rajebhau	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner

63	Bhosale Pooja Santosh	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
64	Raut Supriya Jalindar	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
65	Shete Aditi Irappa	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
66	Gode Priti Baliram	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner
67	Rukme Srushti Govind	Kabaddi	IEDSSA W-2 Zonal Sports	14/01/2020 & 15/01/2020	Government Polytechnic, Hingoli	Winner

Sr. No	Name of Student	Type of Competition/Event	Level (National/ State/Inter - Institute)	Date	Organizing Body/ Organizing Institute	Awards (Winner/Participation)
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2018 - 19

1	Hadole Sanjivani Shamrao	“ELECTROCOM CHALLENGE 2K19” Projet competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Second
2	Tagare Priyanka	“ELECTROCOM CHALLENGE 2K19” poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Third

3	Ghogre SwapnaliShivajirao	"ELECTROCOM CHALLENGE 2K19" poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Third
4	Waghmare Divya	"ELECTROCOM CHALLENGE 2K19" poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Third
5	Hadole Sanjivani Shamrao	"ELECTROCOM CHALLENGE 2K19" poster competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Participation
6	Swami Swati	"ELECTROCOM CHALLENGE 2K19" Projet competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Participation
7	Ghogre Swapnali Shivajirao	"ELECTROCOM CHALLENGE 2K19" Projet competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Participation
8	Giri Ankita	"ELECTROCOM CHALLENGE 2K19" Projet competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Participation
9	Gatade Vaishnavi	"ELECTROCOM CHALLENGE 2K19" Projet competition	Inter - Institute	12/03/2019	SVERI COE, Pandharpur	Participation
10	Swami Swati Rajeshwar	"Techno-Spirit 2K19" Project Exibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani	Winner
11	Tagare Priyanka Pralhad	"Techno-Spirit 2K19" Project Exibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani	Winner
12	Waghmare Divya Rajabhai	"Techno-Spirit 2K19" Project Exibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani	Winner
13	Kekan Suchita Sadipan	"Techno-Spirit 2K19" Project Exibition	Inter - Institute	Mar. 2019	Shri Shivaji Institute of Engineering and Management Studies, Parbhani	Winner
14	Hadole Sanjivani Shamrao	"Tool Tech-2019"Poster presentation	National	09/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur	Winner
15	Ghogre SwapnaliShivajirao	"Tool Tech-2019"Poster presentation	National	09/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur	Runner
16	Hadole Sanjivani Shamrao	"Tool Tech-2019"Project Exibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur	Winner

17	Mugale Supriya Ramesh	"Tool Tech-2019"Project Exibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur	Runner
18	Ghogre SwapnaliShivajirao	"Tool Tech-2019"Project Exibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur	Participation
19	Ekunde Pallavi	"Tool Tech-2019"Project Exibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur	Participation
20	More Tauja	"Tool Tech-2019"Project Exibition	National	08/03/2019	Shri Tulaja Bhavani College of Engg, Tuljapur	Participation
21	Gatade Vaishnavi	DISTA-2K19 Project Exibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur	Participation
22	Hadole Sanjivani Shamrao	DISTA-2K19 Project Exibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur	Participation
23	JangapalleRohiniKamalakar	DISTA-2K19 Project Exibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur	Participation
24	Mugale Supriya	DISTA-2K19 Project Exibition	National	01/03/2019	N B NavaleSinhgad College of Engg, Kegaon-solapur	Participation
25	Ghogre Swapnali Shivajirao	DISTA-2K19 Poster Exibition	National	01/03/2019	N B Navale Sinhgad College of Engg, Kegaon-solapur	Participation
26	Ghogre Swapnali Shivajirao	Vishwa-Vertex 2017 Project Competition	Inter - Institute	21/02/2019	Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala	Runner

27	Mugale Supriya	Vishwa-Vertex 2019 Project Completion	Inter - Institute	21/02/2019	Ishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala	Runner
28	Tagare Priyanka	Vishwa-Vertex 2019 Project Competition	Inter - Institute	21/02/2019	Ishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala	Runner
29	Ghogre Swapnali Shivajirao	Vishwa-Vertex 2019 Poster Presentation	Inter - Institute	21/02/2019	Ishweshwarayya Abhiyantri Padvika Mahavidyalaya, Almala	Participation
30	Kekan Suchita Sadipan	Speech Competition	---	19/01/2019	Election Comission of India	First
31	Kekan Suchita Sadipan	Debate /Elocution competition	State	30/10/2018	Bureau o Energy Efficiency(BEE)Gol,Minestry of Power and Maharashtra Energy Development Agency,Pune	Participation

Sr. No	Name of Student	Type of Competition/Event	Level (National/State/Inter - Institute)	Date	Organizing Body/ Organizing Institute	Awards (Winner/Participation)
2017 - 18						
1	Pathan Nausin Rasul	I am engineer Pragyaa 2018	National	16/03/2018	Shri Guru Govind Singhji institute of Engg and Tech, Nanded	Participation
2	Jadhav Shital Arjun	Project Exhibition	Inter- institute	09/03/2018	Shri Tulaja Bhavani College of Engg, Tuljapur	First rank
3	Ghogare Swapnali Shivajirao	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Runner

4	Naik Renuka Laxmikant	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
5	Hadole Sanjivani Shamrao	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
6	Waghmare Swapnali Pandurang	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
7	Vishwakarma Shivalila Ramesh	Poster Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
8	Jadhav Shital Arjun	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
9	Dige Pranita S.	Project Presentation	National	22/02/2018	V Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
10	Khase Bhagyashri Tryambak	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
11	Jadhav Neha B.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
12	Awale Rohini B.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
13	Aagre Shraddha V.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
14	Andhale Meera G.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
15	Ambure Rasika S.	Project Presentation	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
16	Jogdand Anjali Lahu	Technical Quiz	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
17	Deshmane Jyoti Datta	Technical Quiz	National	22/02/2018	Vishweshwarayya Abhiyantri ki Padvika Mahavidyalaya Almala	Participation
18	Kalekar Namrata S.	Tech-Quiz	National	31/01/2018	JSPM Bhagwant Institute Of Technology Barshi	Participation
19	Munde Priyanka N.	Tech-Quiz	National	31/01/2018	JSPM Bhagwant Institute Of Technology Barshi	Participation
20	Patil Bhagyashri	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi	Participation

21	Ghogare Swapnali Shivajirao	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi	Participation
22	Gatade Vaishnavi Guruling	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi	Participation
23	Dongre Sonali Prakash	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi	Participation
24	Hadole Sanjivani Shamrao	Poster Presentation	National	30/01/2018	JSPM Bhagwant Institute Of Technology Barshi	Participation
25	Khase Bhagyashri Tryambak	Code master	- Inter- institute	24/09/2017-25/09/2017	M.S.Bidve Engineering. College, Latur	Participation
26	Muley Mayuri Sanjay	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa	Participation
27	Ambure Rasika	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa	Participation
28	Jogdand Anjali Lahu	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa	Participation
29	Deshmane Jyoti Datta	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa	Participation
30	Jadhav Shital Arun	Poster Competition	Inter- institute	11/09/2017	MDA, Kolpa	Participation
31	Chinchore Vijayalaxmi Subhash	Debate Competition	Inter- institute	11/09/2017	MDA, Kolpa	Participation
32	Mira Andhale	Poster and Slogan Competition	Inter- institute	Aug 2017	Rusan Health care and PBUSPM,Solapur	Third prize
33	Neha Jadhav	Poster and Slogan Competition	Inter- institute	Aug 2017	Rusan Health care and PBUSPM,Solapur	Participation
34	Deshmane Jyoti Datta	Table Tennis	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
35	Hadole Sanjivani Shamrao	Table Tennis	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
36	Gatade Vaishnavi	Table Tennis	IEDSSA Inter Zonal Sports Meet	15/02/2018- 18/02/2018	Govt.Polytechnic, Hingoli	Winner
37	Tambekar Aishwarya Narsing	Volleyball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Runner-up
38	Jadhav Arti Umakant	Volleyball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Runner-up

39	Shinde Manisha Dhanraj	Volleyball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Runner-up
40	Kamble Priyanka S	Volley ball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
41	Hadole Sanjivani Shamrao	Volley ball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
42	Vishewakarma Shivilila	Volley ball	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
43	Raut Supriya Jalindar	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
44	Pawar Payal Rajabhau	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
45	Rukme Shtrushti Govind	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
46	Sonpethkar Prachi	Kabaddi	IEDSSA Inter Zonal Sports	15/02/2018- 18/02/2018	GRWP, Tasgaon	Winner
47	Swami Rutuja	Chess	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
48	Sangave Vaishnavi Premkumar	Chess	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
49	Raut Supriya Jalindar	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
50	Pawar Payal Rajabhau	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
51	Pawar Payal Rajabhau	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
52	Sonpethkar Prachi	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
53	Rukme Shtrushti Govind	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
54	Raut Supriya Jalindar	Kabaddi	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner

55	Tambekar Aishwarya Narsing	Volleyball	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
56	Jadhav Arti Umakant	Volleyball	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
57	Naikwadi NehaVikas	100m runnning	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	First prize
58	Deshmane Jyoti Datta	Table Tennis	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	Winner
59	Shaikh Tabassum Mehmud	High Jump	IEDSSA W-2 Zonal Sports	05/01/2018-07/01/2018	Govt. Polytechnic, Hingoli	First

Sr. No	Name of Student	Type of Competition/Event	Level (National/State/Inter - Institute)		Date	Organizing Body/ Organizing Institute	Awards (Winner/Participation)
2016 - 17							
1	Barbole Anjali Balaji	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017		Sandipani Technical Campus, Latur	Bronze Rank

2	Bhosale Priya Balasaheb	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bronze Rank
3	Bandapalle Mahadevi Balaji	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bronze Rank
4	Kenche Rutuja Rajkumar	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 - 02/03/2017	Sandipani Technical Campus, Latur	Bronze Rank
5	Bhavare Sapna Balaji	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bronze Rank
6	Ambure Rasika Sachin	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bronze Rank
7	Bodake Shraddha Satish	Virtual Campus Recruitment Program -2017	Inter- institute	01/03/2017 to 02/03/2017	Sandipani Technical Campus, Latur	Bronze Rank
8	Munde Pryanka Narayanrao	Pragyaa-2017 I am Engineer	National	02/03/2017	SGGSIET, Nanded	Participation
9	Bhavare Sapna Balaji	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Participation
10	Mane Ankita Niranjan	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Participation
11	Bodake Shraddha	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Participation
12	Barbole Anjali Balaji	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Participation
13	Kalekar Namrata Shailesh	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Participation
14	Munde Pryanka Narayanrao	Techno-Fest 2017 Poster Presentation	Inter- institute	02/03/2017	Sandipani Technical Campus, Latur	Participation

15	Nagargoje Bhagyashri Shrirang	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Participation
16	Deshmukh Pornima Vishwasrao	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Participation
17	Pachange Chaitali Chandrakant	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Participation
18	Alandkar Sakshi Manoj	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya,,Alamala	Participation
19	Jogdand Anjali Lahu	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Participation
20	Muley Mayuri Sanjay	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Iamala	Participation
21	Bhavre Sapna Balaji	Vishwa-Vertex 2017 Paper Presentation	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Participation
22	Bodake Shraddha Satish	Vishwa-Vertex 2017 Project Competition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Participation
23	Barbole Anjali Balaji	Vishwa-Vertex 2017 Project Competition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Participation
24	Chinde Pooja Mahadev	Vishwa-Vertex 2017 Project Competition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Participation
25	Narare Sandhya Navnath	Vishwa-Vertex 2017 Project Competition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Participation
26	Rajguru Mrunal Shivaji	Vishwa-Vertex 2017 Project Competition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya ,Alamala	Participation

27	Salunke Dipali Sanjay	Vishwa-Vertex 2017 Project Competition	National	10/02/2017	Vishweshwarayya Abhiyantri Padvika Mahavidyalaya, Alamala	Participation
28	Kenche Rutuja Rajkumar	Table-Tennis	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	Winner
29	Bandapalle Mahadevi Balaji	Table-Tennis	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	Winner
30	Shaikh Tabbasum Mohammad	Running 100m	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	Winner
31	Shaikh Tabbasum Mohammad	High Jump	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune Ramchandra COE, Wagholi, Pune	Winner
32	Rasure Akshata S.	Kho-Kho	IEDSSA Inter Zonal Sports	14/02/17	Ramchandra COE, Wagholi, Pune	Winner

5 FACULTY INFORMATION AND CONTRIBUTIONS (150)

Total Marks 150.00

Name	University Degree	Area of Specialization	Contribution to the program(% load)			Research Paper Publications	Faculty receiving Ph.D/M.Tech during the Assessment year	Current Designation	Initial Date of Joining	Association Type	At present working with the Institution(Yes/No)	In case of NO, Date of Leaving	IS Principal?
			CAY (2019-20)	CAYm1 (2018-19)	CAYm2 (2017-18)								
Dr. A.M. Agarkar	ME/M. Tech and PhD	Electronics Engineering	33	0	0	0	0	Principal	21/07/2018	Regular	Yes		Yes
Mr.A.S. Laturkar	M. Sc (Physics)	Electronics	61	93	0	0	0	HOD	22/06/2018	Regular	Yes		No
Mr. I. S. Awale	M. Sc (Physics)	Electronics	94	90	94	0	0	Selection Grade Lecturer	25/07/2015	Regular	Yes		No

Dr. S. D. Yardi	ME/M. Tech and PhD	Electronics Engineering	92 100 0	0	0	Selection Grade Lecturer	08/02/2018	Regular	Yes		No
Mr. A. G. Badade	M.E/M.Tech	Computer Technology	71 100 100	0	0	Selection Grade Lecturer	29/07/2015	Regular	Yes		No
Mrs. S. H. Chincholkar	B.E/B.Tech	Electronics Engineering	78 50 100	0	0	Lecturer	25/10/2010	Regular	Yes		No
Mrs. R. V. Mahagaonkar	M.E/M.Tech	Electronics	61 100 100	0	0	Lecturer	21/10/2010	Regular	Yes		No
Mrs. S. A. Agarkar	M.E/M.Tech	Electronics Engineering	67 79 100	0	0	Lecturer	23/01/2015	Regular	Yes		No
Mrs. A. S. Bhandare	B.E/B.Tech	Electronics and Telecommunication	74 100 50	0	0	Lecturer	20/07/2016	Regular	Yes		No
Mr. P. M. Kudale	B.E/B.Tech	Electronics and Telecommunication	89 100 100	0	0	Lecturer	01/08/2016	Regular	Yes		No
Mrs. A. P. Ghode	M.E/M.Tech	VLSI and Embedded System	90 50 100	1	2017	Lecturer	09/02/2017	Regular	Yes		No
Mr. R. B. Kakde	M.E/M.Tech	Control System	83 58 53	0	0	Lecturer	01/08/2016	Regular	Yes		No
Mr. C. K. Dhulgande	M.Sc (Maths)	Mathematics	44 50 60	0	0	Lecturer	05/04/2011	Regular	Yes		No
Mr. A. R. Hasorikar	MA (English)	English	28 42 42	0	0	Lecturer	16/07/2016	Regular	Yes		No
Mrs. R. V. Kotalkar	M. Sc (Physics)	Physics	36 44 44	1	0	Lecturer	18/01/2012	Regular	Yes		No
Mr. J. C. Rathod	M.E/M.Tech	Mechanical Design	0 11 0	0	0	Lecturer	15/12/2017	Regular	Yes		No
Ms. N. B. Khadke	M.Sc. (Chemistry)	Organic Chemistry	28 22 0	4	0	Lecturer	05/06/2018	Regular	Yes		No
Dr. P. V. Rathod	ME/M. Tech and PhD	VLSI Technology	0 0 100	0	0	HOD	27/10/2016	Regular	No	21/06/2018	No

5.1 Student-Faculty Ratio (SFR) (25)

Total Marks 25.00

Institute Marks

25

Year	N	F	SFR=N/F
2019-20(CAY)	195	10.29	18.95
2018-19(CAYm1)	199	10.89	18.27
2017-18(CAYm2)	209	10.43	20.04

Average SFR : 19.09**Assesement SFR : 25****5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:**

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2019-20)	17	0
CAYm1(2018-19)	17	0
CAYm2(2017-18)	13	0

5.2 Faculty Qualification (25)

Total Marks 25.00

5.2.1 Faculty Qualification Index (20)

Institute Marks

20.00

	X	Y	F	$FQ = 2 \times [(10X + 7Y) / F]$
2019-20	8	9	7.00	40.86
2018-19	8	9	7.00	40.86
2017-18	6	7	8.00	27.25

Average Assessment : 36.32**5.2.2 Availability of Faculty/principal of that discipline with PhD. Qualification (5)**

Institute Marks

5.00

Following table shows the information about availability of Faculty/principal of Electronics and Communication Engg. discipline with PhD. Qualification.

Year	Name of faculty member	Qualification	Designation
2016-17	Dr.A.M. Agarkar	Ph.D. in Electronics	HOD Medical Electronics
	Dr.K.M. Bakwad	Ph.D. in Electronics	HOD Electronics
2017-18	Dr.A.M. Agarkar	Ph.D. in Electronics	HOD Medical Electronics
	DR.P.V.Rathod	Ph.D. in Electronics	HOD Electronics
2018-19	Dr.A.M. Agarkar	Ph.D. in Electronics	Principal
	Dr.S.D.Yardi	Ph.D. in Electronics	Selection Grade Lecturer
2019-20	Dr.A.M. Agarkar	Ph.D in Electronics	Principal
	Dr.S.D.Yardi	Ph.D. in Electronics	Selection Grade Lecturer

Table 5.1: Faculty with Ph.D. Qualification

Institute Marks

20.00

Description	2018-19 (CAYm1)	2019-20 (CAY)
No of Faculty Retained	12	12
Total No of Faculty	13	13
% of Faculty Retained	92	92

Average : 92.31

Assessment Marks : 20.00

5.4 Faculty as participants in Faculty development/training activities conducted by other organizations (30)

Total Marks 30.00

Institute Marks

30.00

Name of the faculty	Max 5 Per Faculty		
	2017-18 (CAYm2)	2018-19 (CAYm1)	2019-20 (CAY)
Dr. A.M. Agarkar	0.00	2.00	2.00
Dr. P. V. Rathod	2.00	0.00	0.00
Mr.A.S. Laturkar	5.00	0.00	0.00
Dr. S. D. Yardi	3.00	5.00	5.00
Mr. I. S. Awale	0.00	0.00	2.00
Mr. A. G. Badade	2.00	5.00	0.00
Mrs. S. H. Chincholkar	0.00	0.00	5.00

Mrs. R. V. Mahagaonkar	5.00	0.00	5.00
Mrs. S. A. Agarkar	0.00	5.00	5.00
Mrs. A. S. Bhandare	0.00	0.00	5.00
Mr. P. M. Kudale	0.00	5.00	4.00
Mrs. A. P. Ghode	0.00	5.00	2.00
Mr. R. B. Kakde	0.00	0.00	5.00
Mr. C. K. Dhulgande	0.00	0.00	5.00
Mr. A. R. Hasorikar	5.00	2.00	0.00
Mrs. R. V. Kotalkar	5.00	0.00	5.00
Mr. J. C. Rathod	0.00	5.00	5.00
Ms. N. B. Khadke	0.00	5.00	0.00
Sum	27.00	39.00	55.00
RF = Number of Faculty required to comply with 25:1 SFR as	8.36	7.96	7.80
Assessment [6*(Sum / 0.5RF)](Marks limited to 30)	30.00	30.00	30.00

Average assessment over 3 years (Marks limited to 30): 30.00

5.4. a. Organized/ Conducted FDPs and STTP by this department at State / National Level (12)

Total Marks 12.00

Institute Marks

12.00

Following table shows the information about organized FDPS/STTP by Electronics and Communication Department.

Academic Year	Conducted FDPS/STTP
2017-18	Nil
2018-19	State level Inter Engineering Diploma students sports association (IEDSSA)
2019-20	Two days Water council (Pani parishad)

Table:5.2

State level Inter Engineering Diploma students sports association (IEDSSA) event:-

For the all-round development of the students and particularly to inculcate sportsmanship in our girl students our organization inspire all girls to participate in all kinds of co curricular activities including sports. Maharashtra state Board of Technical Education conducts state level sports. These sports championships or tournaments are conducted by a separate organization named inter Engineering Diploma students sports association (IEDSSA). our college being one of the two womens polytechnics in the state of Maharashtra, we participate in all girls Sports. The tournament is conducted on zonal and interzonal basis. Participation of girls from our Institute for these zonal and International tournaments is significant.

These zonal and inter zonal sports tournaments for women are conducted or hosted by various polytechnics around the state every year. In academic year 2018-19 our college has hosted inter-zonal tournament for girls. Almost 500 participants from 60 different polytechnics all over Maharashtra have participated in various Sports. Seven team games and almost 9 individual events (Athletics) have been organized. Being the host of the tournament, we have managed to provide lodging and boarding facilities for 500 participants and around 200, who accompanied these participants as coaches and team managers. The tournament was organized for 3 days, from 12 February to 14 February, 2019. The sports proceeding has been done by recognized state level umpires.

Following sport events were included in this tournament:

	INDIVIDUAL EVENTS		TEAM EVENTS
1	100 M RUNNING	1	CARROM
2	200 M RUNNING	2	CHESS
3	400 M RUNNING	3	TABLE TENNIS
4	SHOT PUT	4	KABBADI
5	JAVELIAN THROW	5	KHO – KHO
6	DISCUSS THROW	6	VOLLEY BALL
7	LONG JUMP	7	BASKET BALL
8	HIGH JUMP		
9	TRIPPLE JUMP		

The inauguration ceremony was conducted on the first day of the event. It was presided over by the district collector of Latur district and other dignitaries were invited for this ceremony. All the indoor and outdoor sport events were conducted smoothly and in sportsmanship Spirit. Winners and runners in different sport events were given the trophy and certificates by the principal of Government Residential Womens Polytechnic Latur. As per the reputation of our college, our girls came with flying colours. And claimed victory in almost all the team events and individual events. This leads us to get the General championship trophy for our college. All the participants were very much satisfied with the lodging and boarding facilities provided by our college. Vast campus and spacious grounds within college ambiance for all kinds of sports, we could manage to conduct all kinds of sports in college campus except tennis.





The brief summary of Water Council (Pani Parishad) is given below:-

Government Residential Women's Polytechnic, Latur is a known leading institute for organizing consistent technical programs. On 30th December 2019 a program named 'Water Council' (Pani Parishad) was convened by joint venture of District Administration,Latur and Municipal Corporation of Latur. The venue of this council was large campus of Government Residential Women's Polytechnic, Latur. Our college has provided all the required technical staff as well as infrastructure. As District Collector of Latur has mentioned in his inaugural address, this council was the first

venture organized in Maharashtra. It was this council which brought almost 800 corporators of all the corporations in district together. All chief executive officers, administrative officers and all mayors were present for the council.

Technical presentations were made by various national and international companies. Panel discussion was another program conducted in this council. The main attraction of the event was the stalls of many national and international companies like L &T , Kamstrup, Census, Suez, ITRON, Daily Dump, Aquame as, Xylem, Adept, Techspex, Ideal System and Services .Demonstrations were also held in those stalls.

Mesmerizing technical presentation and deliberations were held on variety of topics (around 11) like Water and waste Water Management success stories, Ultrasonic advanced water meter for accurate water delivery, GIS, Water Operation Management, Smart Solution to measure water, Compost your wet waste at home, End to end solution on water and water meter, Bulk metering solutions, Smart Toilet Waste Management, Waste Water Management. The Council was wrapped up with a hope of bright prospects for Latur district. Inaugurator Mayor Mr.Vikrant Gojamgunde was welcomed by District Collector Mr.G.Shrikant.Latur Z.P. Chief Executive Mr.Vipin Itankar ,Latur Corporation Commissioner Mr.M.D.Singh all these dignitaries were present throughout the program and also shown active participation in all the deliberations. On behalf of the institute Principal Dr.A.M.Agarkar ,Prof.Seema Agarkar, Proff. Ambure and Proff. Salunke have registered their active participation as panelist in the deliberation.

It is through various meeting conducted by Secretary and Director in Technical Education department, we got inspiration to conduct such programs which would be beneficial in societal image building of our institute. It also contributes to the all round development of students, staff and society. To reap these benefits polytechnic administration is invariably keen to play its active role.



शासकिय निवासी महिला तंत्रनिकेतन,लातुर.

बाईरी रोड,लातुर-413531



(टौप्प्य महोत्सवी वर्ष १९९४-२०१९)

तर्फे

पाणी परिषद

कार्यशाळेकरिता येणा-या सर्व मान्यवरांचे हार्दिक स्वागत।









H2O Latur Conference
कार्यक्रम पत्रिका
दिनांक 30 नोव्हेंबर व 01 डिसेंबर 2019





दिनांक 30.11.2019	
वेळ	कार्यक्रम
9.00 - 10.00	नोंदणी
10.00-10.15	उद्घाटन व दिपप्रज्वलन
10.15-10.30	स्वागत
10.30-10.45	मा. जिल्हाधिकारी, लातूर यांचे प्रास्ताविक
10.45-11.00	मा. महापौर, लातूर शहर महानगरपालिका, लातूर यांचे स्वागतपर भाषण
11.00-11.15	मा. आ. अमित विलासराव देशमुख यांचे उद्घाटनपर भाषण
11.15-11.30	मा. आयुक्त, लातूर शहर महानगरपालिका, लातूर यांचे सादरीकरण
11.30-11.45	चहापान
11.45-12.15	Water and waste water success stories या विषयावर L & T यांचे सादरीकरण
12.15-12.45	Value of Data या विषयावर Kamstrup यांचे सादरीकरण
12.45-01.30	भोजन
01.30-02.00	Geographic Information System (GIS) या विषयावर Ceinsys यांचे सादरीकरण
02.00-02.30	Water Success Stories या विषयावर Suez यांचे सादरीकरण
02.30-03.00	Water Operation Management या विषयावर ITRON यांचे सादरीकरण
03.00-03.15	चहापान
03.15-03.45	Smart Solution to Measure Water या विषयावर Aquameas यांचे सादरीकरण
03.45-04.15	Compost your wet waste at home या विषयावर Daily Dump यांचे सादरीकरण
04.15-05.15	प्राची चर्चा त ग्राहकोऱ्यो

दिनांक 01.12.2019

10.00-10.30	End to end solution on water and wastewater या विषयावर Xylem यांचे सादरीकरण
10.30-11.00	Bulk Metering Solutions या विषयावर Adept यांचे सादरीकरण
11.00-11.30	Smart Toilet Waste Management या विषयावर Techspex यांचे सादरीकरण
11.30-11.45	चहापान
11.45-12.15	Waste water Treatment या विषयावर Ideal System & Services यांचे सादरीकरण
12.15-01.15	खुली चर्चा व प्रश्नोत्तरे

REPORT ON GLOBAL GANDHI SOLAR YATRA –GLOBAL STUDENT SOLAR AMBASSADOR [GGSY-GSSA] SOLAR STUDY LAMP ASSEMBLY WORKSHOP

Department of Energy Science & Engineering, IIT, Bombay initiated the noble Global Solar Student Ambassador - Study lamp assembly workshop on 2nd October 2019, to mark the beginning of 150th Birth Anniversary year of Mahatma Gandhi. This workshop was simultaneously conducted in number of institutes, participated by thousands of students, all over the world.

Department of Electronics and Communication, Government Residential Women's Polytechnic, Latur was part of this yatra because of the confidence and support of the Head of this Institute. The activities leading to this workshop were meticulously planned by the organizers, since the beginning of June and all the participating institutes were regularly informed about the developments, trainings, instructions to follow and other related information. It covered the content within and beyond the curriculum.

Major activities were to

1. Take students into confidence and make them aware of this activity.
2. Register 50 students.
3. Book 50 study lamp kits from the agencies prescribed by the organizers.
4. Complete 16 hour online training as a co-ordinator and score >80%.
5. Arrange regular sessions for the students, to expose them to the world of renewable energy sources, technology involved in the lamp and the actual lamp assembly.
6. Further enforce this knowledge, department of Electronics and Communication organized Poster Making and Presentation competition.
7. Co-ordinate the activities on the day of workshop, demonstrate the study lamp assembly, its working and testing.
8. Train 50 students,

a. to test every component, material, solar panel in the kit

b. to assemble the kits as per instructions

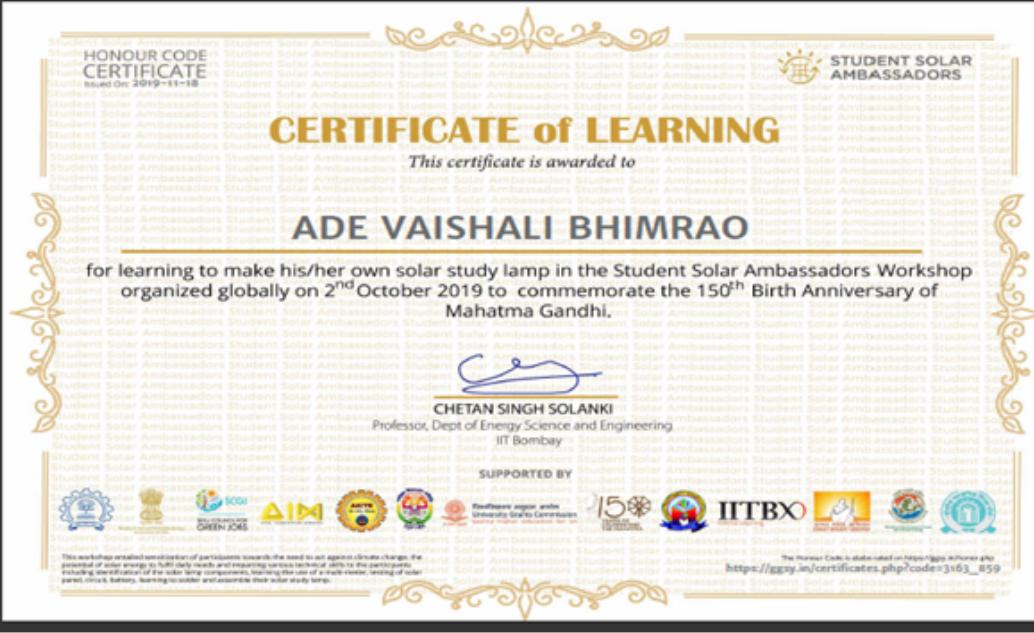
c. to test the assembled kit.

9. Handover the 50 glowing study lamps to the proud owners, the participating student

10. Present them with the Honour code certificates of Learning.

All in all the experience of conducting this activity was unique of its kind. On the day of workshop, the usual halls of the institute resembled the assembly line scenario of any electronic manufacturing company. The co-ordinators, department of EC and the institute is immensely grateful for this opportunity.





HONOUR CODE CERTIFICATE

Issued: 1 January, 2020



Dr. Seema Deepak Yardi

SSA101x: Hands-on training on Solar Study Lamp Assembly

An online course, recognized by Skill Council for Green Jobs, conducted from 01 May 2019 to 31 Dec 2019 for Student Solar Ambassador Workshop 2019.

This course is offered by IITBombayX, an online learning initiative of Indian Institute of Technology Bombay.



Chetan Singh Solanki
Professor, Dept of Energy Science and Engineering
IIT Bombay



STUDENT SOLAR
AMBASSADORS

The Honour Code is elaborated in <https://www.iitbombayx.in/privacy>
Authenticity of this certificate can be verified in <https://certificates.iitbombayx.in/validate/certificate?track=CDEP>







REPORT ON "IOT (USING ARDUINO) " WORKSHOP IN ASSOCIATION WITH BUILD MY PROJECT (TECHFEST, IIT BOMBAY INITIATIVE)

Build My Project, Dombiwali is a company, which has its products, trainings and initiatives spanning entire nation. The CEO of the company informed about regular interaction with esteemed institutes and departments for various product development objectives.

Department of Electronics and Communication, GRWP, Latur organized a 2-days technical workshop on IOT (using Arduino) with BMY as the resource persons, for the students of IInd and IIIrd year ET and IInd year MU. Total 113 students participated in this workshop. This topic came under emerging technology category and it covered the content within and beyond the curriculum

Activities for the workshop, were to

1. highlight importance of this topic to the beneficiaries.
2. register no. of participants.
3. organise lecture sessions during the workshop for the necessary input.
4. arrange and prepare laboratories for the hands –on experience sessions.
5. train the participants to write codes for IOT and test on the Arduino kits.
6. present them with the certificate of participation.

The workshop was important for the students working on major projects and subsequently going for higher education, employment. It was also a guiding light for the students who are being introduced to the scope of their respective disciplines.

Future plans are to organize a 5-days IOT workshop, to support and bridge the growing gap between demand and supply of skilled technical personnel.



Lecture session IOT



Hands –on- experience



Techfest™
INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY



CERTIFICATE OF PARTICIPATION

This is to certify that Miss.

BHORKAR TEJASVI DHANANJAY

has Participated in

Two days national level workshop on Internet of Things
From 6th to 7th January 2020.

Organized by

Government Residential Women's Polytechnic Latur

Technically organised by

Build My Project in association with TECHFEST IIT,Bombay

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Pratik
Pratik Tirodkar
CEO/Founder,BMP

CERTIFICATE NO.

bmp5120



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CERTIFICATE OF PARTICIPATION

This is to certify that Miss.

AINILE TANUJA DAYANAND

has Participated in
Two days national level workshop on Internet of Things

From 6th to 7th January 2020.
Organized by

Government Residential Women's Polytechnic Latur
Technicallyorganised by

Build My Project in association with TECHFEST IIT,Bombay

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Pratik

Pratik Tirodkar
CEO/Founder,BMP

CERTIFICATE NO. bmp0120



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CERTIFICATE OF PARTICIPATION

This is to certify that Miss.

KADAM SHWETA ANANTRAO

has Participated in
Two days national level workshop on Internet of Things
From 6th to 7th January 2020.

Organized by
Government Residential Women's Polytechnic Latur
Technicallyorganised by

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Pratik

Pratik Tirodkar
CEO/Founder,BMP

CERTIFICATE NO. bmp9520



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CERTIFICATE OF APPRECIATION

this is to certify that Dr./Prof./Mr./Mrs./Miss

DR.S.D.YARDI

Was in the trainer's team of IoT using Arduino workshop
Conducted From 6th to 7th January ,2020.

Organized by
Government Residential women's Polytechnic,Latur
Technically organised by
Build My Project in association with TECHFEST IIT,Bombay
and Make x, International

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Pratik
Pratik Tirodkar
CEO/Founder,BMP

BMPFD0120

5.5 Product development, Consultancy, Manufacturing contracts, testing contracts (8)

Total Marks 8.00

Institute Marks

8.00

Following table shows the information about Product developed by department.

Sr. No.	Year	Product/Project	Name of the Activity conducted	No. of beneficiaries
1	2019-20	Solar Lamp Kits Assembled and Developed 52 Solar Lamp kits as a product for the use in rural area.	Department has organized in collaboration with IIT, Powai (Solar ambassador technical workshop) on the occasion of 150 th Mahatma Gandhi birth Anniversary.	52
2	2019-20	Project developed by third year students(at final year level). Title: Embedded System Based Coal Stock Yard Monitoring and Protection System.	Final year students have developed a Embedded Based project “Coal Stock Yard Monitoring and Protection System” under the guidance of faculty, Mrs.A.P.Ghode. This project is identified for the local industry and hence the project is sponsored for future modification and product model development.	03 1.Miss.Supriya Sanjay Dhotre 2.Miss.Sonali Sanjay Harale 3.Miss.Sangita Shyamrao Reddy
3	2017-18	Project developed by third year students(at final year level) Title: Intelligent Robot- A Fire Extinguisher Vehicle.	Final year students have developed a project Intelligent Robot: A Fire Extinguisher Vehicle under the technical supervision and guidance of Mrs.S.A. Agarkar. This project was sponsored by Agroch Agro Producer Company Limited, Latur(M.S.) as the industry found project idea useful for future applications.	03 1.Miss.Vidya Narsing Kamble 2.Miss.Vaishnavi Shreeram Landge 3.Miss.Pratiksha Atmaram Nagtilak 4.Miss.Rupali Mahadev kamble

Table:5.3

5.6 Faculty Performance Appraisal and Development System (FPADS) (30)

Total Marks 30.00

A. A well-defined FPADS instituted for all the assessment years (5)

Institute Marks

5.00

5.6 a. A well- defined FPADS instituted for all the assessment years (05)

The job/role of a teacher is not limited only to the class room but is multifarious to achieve overall development of students. The teacher has to make efforts to impart modern technologies or professional methods to the students. He has to exert for updating his knowledge and skills. A large number of teachers do take keen interest in all the activities conducive to the welfare of the student community in order to build the personality of the students and to maintain a clean image of the institution. Some teachers show excellent performance in administrative and managerial assignments too. However, the earlier system of confidential reports did not project the entire range of performance of a teacher. Every organization needs to ensure right kind of people, at right places, at right time to achieve its objectives, targeted mission and vision. It is therefore essential to give recognition to those who are conscientious of their responsibilities. Recognition may be with providing opportunities of accelerated promotions or awards. It is equally necessary to produce disincentives for indifferent and in some cases unscrupulous teachers showing poor performance. The UGC and AICTE have recommended the package of pay scales for teachers with conditions to implement Performance Appraisal Development System. Therefore there is a need to adapt a suitable format for Performance Appraisal of teachers that encompasses the entire range of functions and permits differentiation based on quantified weight.

Government has considered recommendations of the University Grant Commission and of the All India Council for Technical Education and implemented the package of pay scales for the teachers. The main objective was to maintain standards of higher and technical education. Accordingly, resolutions issued by the Government from time to time specified the terms and conditions of service. The statutory bodies recommended devising and implementing the effective performance appraisal to promote efficiency and effectiveness of the system. These recommendations emphasize the need to help individual teachers to grow, develop and advance on merit. The UGC and AICTE have also devised guidelines on the Performance Appraisal. However, to make it more quantitative, more conducive to the local factors some minor modifications were proposed by the Directorates and further deliberations of Government, Grant-in-aid, Un-aided degree and diploma level institutions from all over the state.

Government Resolution:

Taking into consideration modifications and suggestions given by directorates and deliberations of the various degree and diploma institutions from the state. State Government accorded an approval to the implementation of the scheme of "Performance Appraisal and Development Systems" for teachers and administrative posts in Government and Grant-in- aid educational institutions in Engineering, Architecture, Pharmacy, Management studies, Art education and also in Government Arts, Science, Commerce, Law, Education degree and diploma institutes under the control of Higher and Technical Education and Employment Department with effect from 1-4-1997 vide GR No. Higher and Technical Education and Employment Department, CRF 1096(20/96) TE -4 dated 25th march 1997 and further directed that the performance appraisal report shall be appended to the annual confidential reports.

As per the prescribe "Performance Appraisal and Development Systems" format is for period of one year and assessment of performance is carried out on various academic, administrative and managerial indicators as given below.

- **Academic indicators assessment**

1. Performance of engaging lecture
2. Performance of attendance of students
3. Performance of results

Assessments of academic performance indicators measures aptitude for teaching and efforts taken to make lectures interesting, dedicated efforts to improve teaching skills and involvement of students in learning process, examinations results of regular students. Average of results of last three years of particular course.

Administrative and managerial indicators assessment

This measures various qualities, functions and behavioral aspects of teachers Government residential Women's Polytechnic, Latur, such as industriousness, administrative and proportional capability, resourcesfulness, initiative, drive, judgment, behavior commitment, leadership qualities etc. To measure the performance of each indicator 4 point scale viz. Excellent, Good, Average and Poor has been specified for administrative and managerial indicators assessment. Multiplying factors 2.0, 1.4, 1.0, and 0.4 are assigned for 4 point scale respectively as mentioned above.

- **Final assessment**

The final assessment grade is given by reporting officer considering total weight achieved in academic, administrative and managerial functions out of 100. The special weight maximum to 05 can be awarded by reporting officer for extra ordinary contribution for the institutional development. Following table shows Weight of performance and Grade.

Weight of performance	Grade	
100 to 81	Out standing	A+
080 to 071	Excellent/Very Good	A
070 to 061	Positively Good	B+
060 to 051	Good	B
050 to 035	Average	B-
034 to 000	Below Average	C

Table:5.4

From the year 2016-17 General Guidelines for writing Performance Appraisal Reports of State Government Grade A Officers are issued vide State Government Resolution, General Administration Department, No.: CFR-1211/C.R. 257/XIII, dated 02.02.2017. The UGC and AICTE have also devised guidelines on the Performance Appraisal. However, to make it more quantitative and more conducive to the local factors some minor modifications were proposed by the Directorates and further deliberations of Government, Grant –in-aid, Un-aided degree and diploma level institutions from all over the state.

The same format has been prescribed for the post of Lecturer in E & T, senior grade Lecturer in E & T, and Selection grade Lecturer in E & T, Reader, and designated Reader, Assistant Professor, Professor and other similar administrative post. A separate format has been prescribed for Head of the department and similar posts similarly a separate format has been prescribed for the post of Principal/ Head of the institution, however, these formats shall not be applicable to fully administrative posts.

In this new format, assessment of performance of the Grade A officer is carried out on the basis of three performance attributes i.e.

- Work completion (weight age40%),
- Personal attributes(weight age 30%) and
- Efficiency (weight age30%).

Following table shows the points are accessed by reporting officers and reviewing officer.

Work Completion (40%)	Personal Attributes (30%)	Efficiency (30%)
Accomplishment of planned work	Attitude to Work	Knowledge of relevant acts
Quality of Output	Overall Bearing and Personality	Decision making Ability

Average Gradation on Work Completion	Emotional Stability	Initiative
	Communication skills	Ability to coordinate
	Capacity to work in Time Limit	Average Gradation on Work Efficiency
	Average gradation on Personal attribute	

Table:5.5

Performance appraisal Gradation

Weights have been assigned to work output, personal attributes and efficiency. The overall grade will be based on the addition of the mean value of each group of indicators in proportion to weightage assigned. The formulae for the calculation of "Overall Gradation" will be as follows –

$$(\text{Average Grade on Work Completion} * 4) + (\text{Average Grade on Personal Attributes} * 3) + (\text{Average Grade on Efficiency} * 3) \text{ divided by } 10$$

Overall grade in the numerical scale of 1-10 is to be given by reporting authority. Where 1 refers to the lowest grade and 10 to the highest grade.

Following table shows the information about Numerical gradation and Grade.

Numerical Gradation for Performance	Grade
Overall Gradation of 1 and 2	C
Overall Gradation of 3 to 5	B
Overall Gradation of 6 to 8	A
Overall Gradation of 9 and 10	A+

Table:5.6

The officer reported upon may have the option to give his representation against the below benchmark gradation recorded in the PAR. Such representation may be restricted to the specific factual observations contained in the Performance Appraisal Report leading to the assessment of the officer in terms of attributes, competency, output and overall gradation. From the year 2017-18 Government of Maharashtra has adopted new policy for maintaining the performance appraisal (PAR) of Grade A and B officers in their state government services, vide State Government Resolution, General Administration Department, No.: CFR-1211/C.R. 257/XIII, dated 07.02.2018. Also separate formats for technical officers are finalized and decided to implement vide State Government Resolution, General Administration Department, No.: CFR-1211/C.R.8/XIII, dated 05.03.2018. In which on line details of Confidential/Assessment Reports are to be filled on MAHAPAR Computerized System of the Department. General Guidelines for writing Performance Appraisal Reports of State Government Grade A and B Officers are issued vide above Resolutions.

The overall gradation system of assessment is kept same as mentioned in the previous year.i.e. 2016-17.

The performance appraisal formats as per above Government Resolution are given below:

प्रायोगिक विवरण (Practical Information)					
अधिकारी का प्रायोगिक विवरण (Details of Professor)			अधिकारी का प्रायोगिक विवरण (Details of Associate Professor/Assistant Professor/Lecturer)		
अ.सं. Sr.No.	नाम Name	पूँजी Points	मीटिंग अधिकारी Reporting Officer	पुनरीक्षक अधिकारी (Review Officer)	पुनरीक्षक अधिकारी की स्वाक्षरी (Signature of Review Officer)
१	विशेषज्ञता वेर्ट विद्यालय कार्यालयी पूँजी (Accomplishment of planned work)				
२	विशेषज्ञता कार्यालयी पूँजी (Quality of Output)				
३	विशेषज्ञता उत्तिष्ठानी/विशेषज्ञता कार्यालयी पूँजी (Accomplishment of exceptional work/unforeseen tasks performed)				
प्रायोगिक / स्थानीय अधिकारी / विशेषज्ञता / विशेषज्ञता कार्यालयी अधिकारी का पूँजी (Additional points for Professor / Associate Professor/ Assistant Professor/ Lecturer)					
४	विशेषज्ञता कार्यालयी प्रायोगिक पूँजी विनायकात्मक पूँजी विनायक अधिकारी का प्रायोगिक विवरण (Accomplishment of planned projects in stipulated periods with lectures and practical)				
कार्यालयी का अधिकारी कार्यालयी पूँजी (Average gradation on Work completion)					
ब) प्रौढ़ीकारी गुणवत्ताएँ (Personal attributes) (Weightage 30 %)					
अ.सं. Sr.No.	गुणवत्ता Items	पूँजी Points	मीटिंग अधिकारी Reporting Officer	पुनरीक्षक अधिकारी (Review Officer)	पुनरीक्षक अधिकारी की स्वाक्षरी (Signature of Review Officer)
१	कामकाजाता इच्छाकारी (Attitude to work)				
२	विवाददायिता जीवनी (Sense of responsibility)				
३	संस्कारात्मक स्वतंत्रता व प्रतिक्रिया (Overall bearing and Personality)				
४	भावात्मक सुन्दर (Emotional stability)				
५	संवाद विस्तार (Communication Skills)				

प्रातः निर्गत ब्रह्मा की सौन्दर्य-१२५०/प.क./रो				
२	शोधनीय विभिन्न लक्षणों का काम (Strategic planning ability)			
३	सरकारी विभाग एवं लाइ कार्यालयी कामों (Decision making ability)			
४	पुराने प्रतिक्रियाएँ (Past record)			
५	अपने कामों के लिए शोधनीय हरके शासकीय विभिन्न संसदीय समाजीकी क्षमता (Ability to co-ordinate with other government agencies in relation to work)			
६	इतांतरिक अक्षयकालीन शोध देखे अग्रि वाचन विभागों की क्षमता (Ability to motivate and develop subordinates/working in a team)			
प्रायोगिक / सार्वजनिक प्रायोगिक / सरकारी प्रायोगिक/ सार्वजनिक प्रायोगिक विभागों की क्षमता और लक्षण (पूर्ण) (Additional points for Professor / Associate Professor/Assistant Professor/Lecturers)				
७	उपर्युक्त वाला सार्वजनिक विभागों का कामों की क्षमता (Capacity to make use of available resources in an optimum manner)			
	कामकाला का उचित सारांश की क्षमता (Average gradation on Work efficiency)			
८	उपर्युक्त कृष्णप्रबला कल्पे एवं सार्वजनिक वाक्यों स्टेटमेंट अनुभाव व्यक्त की गयी अनुभाव वाला कामों की क्षमता उपर्युक्त मूल्य वाली (Offer your remarks on character and integrity if remarks are negative, then mention instances)			
९	अधिकारी/कर्मचारी वाले एकत्रित मूल्यांकन (जारी की जाते १०० राम) (Overall Assessment of officer/employee Maximum 100 words)			
गायत्री विभागीय क्रमांक, उपर्युक्त विभाग व्यक्ति, विभाग व्यक्ति, विभाग व्यक्ति विभाग व्यक्ति एवं विभाग व्यक्ति का विवरण दिया जाना चाहिए। विभाग व्यक्ति, विभाग व्यक्ति विभाग व्यक्ति द्वारा विभाग व्यक्ति का विवरण दिया जाना चाहिए। (Include Strengths and lesser strengths and his attitude towards disabled persons, women and Backward classes)				
१०. ग्राहीता (State of Health) (उत्तम/ दार्शनी विभाग नाही) (Very good/Good/Not Good)				

B. Its implementation and effectiveness (15)

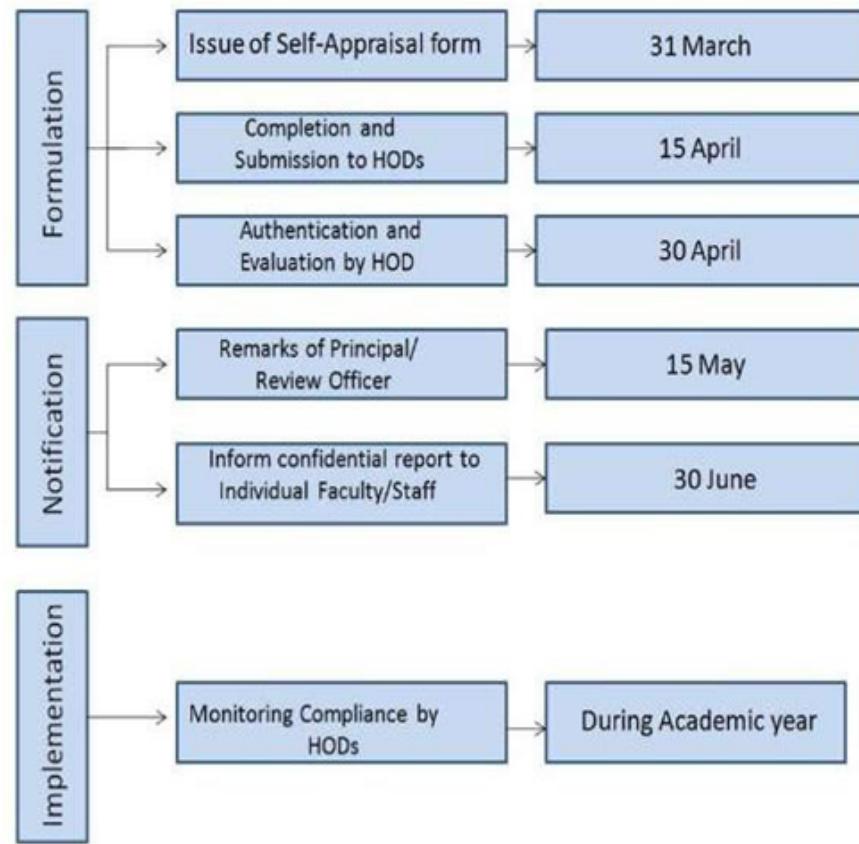
Institute Marks

15.00

5.6.b Implementation and Effectiveness(15):

- The faculty Performance Appraisal and Development System(FPADS) is implemented for faculty members at all levels i.e. Principal, Head of Department and Lecturer.
 - These separate performance parameters/criteria are being developed for Principal, Head of Department and Lecturer.
 - The performance appraisal of lecturer is assessed by Head of Department and reviewed by Principal.
 - The performance appraisal of Head of Department is assessed by principal and reviewed by Joint Director.
 - The performance appraisal of Principal is assessed by Joint Director and reviewed by Director.

Activity Flow Chart (FPADS)



Following table shows Implementation of Faculty Performance Appraisal and Confidential report from 2016-17 to 2018-19 as follows.

Sr. No.	Faculty Code	2018-19		2017-18		2016-17			
		Numerical Gradation	Grade	Numerical Gradation	Grade	Numerical Gradation	Grade		
1	F6038	6.7	A	7.41	A	8	8.34	A	A
2	7yunt	5.0	B	6.59	A	7	6.51	A	A
3	Ma3df	6.9	A	6.35	A	5	7.21	B	A
4	hpLe5	6.75	A	6.69	A	NA	NA	NA	NA
5	Pq437	6.90	A	6.93	A	7	7.6	A	A
6	67njp	6.80	A	7.57	A	8.52	--	A	--

7	43Lga	6.40	A	6.26	A	7.10	--	A	--
8	47uM3	6.60	A	6.64	A	6.75	7.89	A	A
9	Fjy93	7.3	A	--	--	--	--	--	--

Table:5.7

Remark: Data is collected from faculty confidential report of last three years. The evidence of confidential reports and weights and grade will be produced at the time of committee visit. Since it is being confidential faculty names are mentioned as faculty code.

5.6. Implementation of Career Advancement Scheme:

All India Council for Technical Education (AICTE) has revised the pay scales of teachers and equivalent cadre, Librarian and other Academic staff equivalent cadre, in degree/diploma level institutions in Technical Education in accordance with the recommendations of 6th pay commission vide Notifications as per the provisions in AICTE Notifications. i.e. AICTE Notification No. 37-3 / Legal / 2010, dated 5th March 2010 for degree education. And AICTE Notification No. 37-3 / Legal / 2010, dated 5th March, 2010 for diploma education. Accordingly the State Government has adopted the scheme and implemented the same for teachers in degree/diploma level institutions in technical education vide State Government Resolution, Higher & Technical Education Department No. SPC2010 / (34/10) / TE-2, dated 20th August, 2010. As per the provisions in AICTE Notifications stated above.

The detailed conditions of Career Advancement Scheme for teachers and equivalent posts in degree/diploma level institutions were to be announced later on by the AICTE and then State was to adopt these conditions then onwards. The detailed conditions of Career Advancement Scheme for Degree/Diploma Level System for Faculty Performance Appraisal Institutions under 6th pay commission are declared by the All India Council for Technical Education vide the Notifications All India Council for Technical Education Notification, F.No.37- 3 / Legal / AICTE / 2012, dated 8th November, 2012 for degree education And All India Council for Technical Education Notification, F.No. 37- 3/ Legal / AICTE / 2012,dated 8th November, 2012 for diploma education. As the implementation of the Career Advancement Scheme announced for Degree/Diploma institutes by the All India Council for Technical Education vide its Government resolutions. Also these conditions were accepted in principle by the cabinet, in its cabinet decision dated 04 August, 2010 for the implementation of the All India Council for Technical Education notifications stated above vide State Government Resolution, Higher & Technical Education Department No. SPC-2010 / (34/10) / TE-2, dated 20th August, 2010.

Directorate of Technical Education has proposed the same vide Letter of Directorate of Technical Education No. 5 / AICTE / VENI / 2013 / 8467, dated 7th September, 2013. It was under consideration of the Government to implement the revised conditions announced by the All India Council for Technical Education with required changes in the appraisal systems of teachers in technical education stated in All India Council for Technical Education Notification, F.No.37- 3 / Legal / AICTE / 2012, dated 8th November, 2012 for degree education. And All India Council for Technical Education Notification, F.No.37- 3 / Legal / AICTE / 2012, dated 8th November, 2012 for diploma education. The terms and conditions of all the Career Advancement Scheme (CAS) placements of teachers & equivalent cadre, Librarian other academic staff, up to issuance of this Government Resolution, i.e. Government of Maharashtra Higher and Technical Education Department Government Resolution No.: CAS-2013 / (32/13) / TE-2 Mantralaya Annex, Mumbai- 400 032 Date: 17th October, 2015 shall be in accordance with the 5th pay commission and there after it shall be as revised hereafter by the AICTE 6th pay commission recommendations.

The Career Advancement Scheme (CAS) is implemented with new guidelines and conditions vide above mentioned state Government resolution to the existing teachers and equivalent cadre, Librarian and other Academic staff equivalent cadre, in degree/diploma level institutions in the state. According to the State Government Resolution GR.No.SCT- 6510 / (16/10) Tech Edu.- 1 Mantralaya Ext Building Mumbai- 400032. Dated 29/03/2012. Director of Technical Education Maharashtra State is empowered to take decision on proposals of Career Advancement Scheme (CAS) submitted by institutes for implementations to eligible teachers and equivalent cadre, Librarian and other Academic staff equivalent cadre, in degree/diploma level institutions in the state. For implementation of Career Advancement Scheme (CAS) different committees are established at regional and state levels.

Following table shows the Career Advancement Scheme (CAS) has implemented to the following teachers.

SR. NO.	NAME OF FACULTY	DESIGNATION/JOINING DATE	DATE OF IMPLEMENTATION OF CAS

			SR. GRADE	SL. GRADE	PAYBAND 4
1	Mr.A.S. Laturkar	Head of Department 10/10/1985	10/10/1993	27/12/1994	27/12/1994
2	Mr.I.S.Awale	Lecturer in Electronics 13/03/1990	06/04/1996	06/04/2001	01/07/2005
3	Dr.S.D.Yardi	Lecturer in Electronics 29/09/1992	29/09/1998	29/09/2003	29/09/2006
4	Mr.A.G.Badade	Lecturer in Electronics 23/11/2001	23/11/2000	01/01/2006	01/01/2006
5	Mrs.S.H.Chincholkar	Lecturer in Electronics 20/10/2010	15600-39100		
6	Mrs.R.V.Mahagaonkar	Lecturer in Electronics 21/10/2010	15600-39100		
7	Mrs.S.A.Agarkar	Lecturer in Electronics 13/01/2006	15600-39100		
8	Mrs.A.S.Bhandare	Lecturer in Electronics 11/10/2006	15600-39100		
9	Mr.P.M.Kudale	Lecturer in Electronics 19/07/2012	15600-39100		
10	Mrs.A.P.Ghode	Lecturer in Electronics 9/07/2017	15600-39100		

Table:5.8

The following table shows the faculty members of Electronics and Communication department have done their qualification up-gradation in service.

Sr. No.	Name of faculty	Designation	Qualification at service entry level	Qualification upgraded in service	Year of up gradation
1	Mr. I. S. Awale	Lecturer (Selection Grade)	M.Sc. Physics(Electronics)	M.Tech. Education	1996
2.	Dr. S.D. Yardi	Lecturer (Selection Grade)	B.E. Electronics	M.E. Electronics	1998
				PH.D Electronics	2006
3.	Mrs. S.A. Agarkar	Lecturer	B.E. Electronics	M.E. Electronics	2012
4	Mrs. S.H.Chincholkar	Lecturer	B.E. Electronics	M.E. Electronics	PURSUING

Table:5.9

6 FACILITIES AND TECHNICAL SUPPORT (100)

Total Marks 100.00

6.1 Availability of adequate, well equiped classrooms to meet the curriculum requirements (10)

Total Marks 10.00

Institute Marks

10.00

Department is having well equipped , well furnished and adequate faculty rooms as well as class rooms and drawing hall. This infrastructure is fully utilised for regular working and teaching learning process in the department. The available infrastructure is mentioned in fallowing table.

Part A: Faculty Room

Sr. No.	Name	Department Room Number	Area in Feets	Area in Sq. Meter
1	HOD(ET) Cabin	ET-01	15.8 x 12.4=195.92 Sq. Feet	4.8m x 3.7m=17.76 Sq. Meter
2	Dept. Office Store	ET-02	15.8 x 12.4=195.92 Sq. Feet	4.8m x 3.7m=17.76 Sq. Meter
3	Faculty Room	ET-03	15.8 x 12.4=195.92 Sq. Feet	4.8m x 3.7m=17.76 Sq. Meter
4	Faculty Room(Science)	ET-03	15.8 x 12.4=195.92 Sq. Feet	4.8m x 3.7m=17.76 Sq. Meter

Part B: Class Room And Drawing Hall (Chalk Board Class Room with LCD Projector Facility)

Sr. No.	Name	Department Room Number	Area in Feets	Area in Sq. Meter
1	Class Room (I Year)	ET CR - 01	$15.8 \times 35.4 = 559.32$ Sq. Feet	$4.8m \times 10.8m = 51.84$ Sq. Meter
2	Class Room (I Year) Additional	ET CR - 02	$32 \times 32 = 1024$ Sq. Feet	$9.8m \times 9.8m = 96.04$ Sq. Meter
3	Class Room (II Year)	ET CR - 03	$32 \times 18.10 = 579.20$ Sq. Feet	$9.8m \times 5.8m = 56.84$ Sq. Meter
4	Drawing Hall Cum Class Room(III Year)	ET DHCR - 04	$32 \times 51.5 = 1648$ Sq. Feet	$9.8m \times 15.7m = 153.86$ Sq. Meter

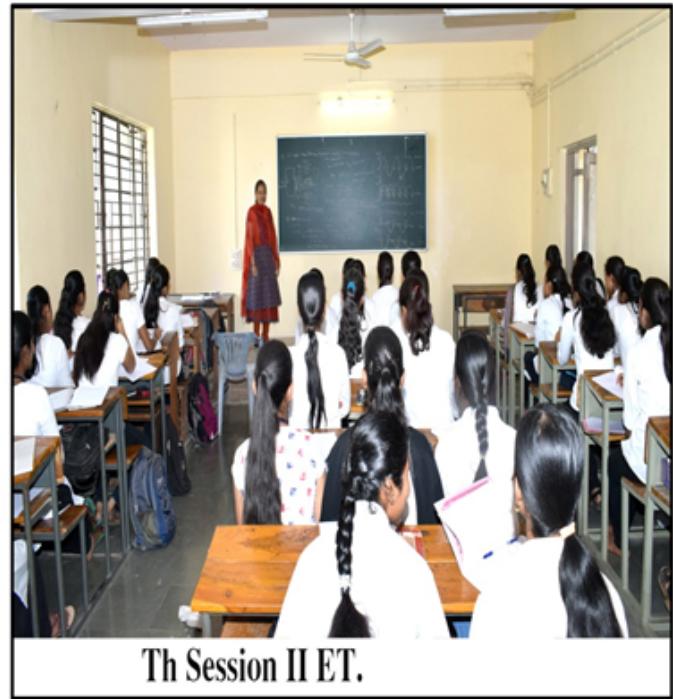
Photos of the aforementioned infrastructure in the department and teaching learning process are produced for quick view as given below;



Th session, I ET.



I ET, Class room



Th Session II ET.



Student Presentation



Th Session III ET.



III ET Class room



Theory session, III ET



ET Dept. HOD Cabin



ET Dept. Store & office

6.2 Availability of adequate and well-equipped workshops, Laboratories and Technical manpower to meet the curriculum requirements (40)

Total Marks 40.00

A. Adequacy (10)

Institute Marks

10.00

All laboratories and workshop in the department are adequate in number and are well equipped. Details of adequacy are as follows;

Sr. No.	Name of Laboratory / Workshop	Department Room Number	Area in Feets	Area in Sq. Meter
1	Analog Electronics Laboratory	ET L - 01	32 x 32=1024 Sq. Feet	9.8m x 9.8m=96.04 Sq. Meter

2	Digital Electronics and Measurement Laboratory	ET L - 02	32 x 32=1024 Sq. Feet	9.8m x 9.8m=96.04 Sq. Meter
3	Communication Laboratory	ET L - 03	32 x 32=1024 Sq. Feet	9.8m x 9.8m=96.04 Sq. Meter
4	Computer Center and Hardware Laboratory	ET L - 04	32 x 32=1024 Sq. Feet	9.8m x 9.8m=96.04 Sq. Meter
5	Microcontroller and Embedded System Laboratory	ET L - 05	22 x 22=484Sq. Feet	6.7m x 6.7m=44.89 Sq. Meter
6	Electronics Workshop and PCB Laboratory	ET L - 06	22 x 22=484Sq. Feet	6.7m x 6.7m=44.89 Sq. Meter
7	PCB Development Dark Room (Located in Chemistry Lab)	ET L-07	5.7 X 14 = 79.8 Sq.feet	1.7 X 4.2=7.14 mtrs.
8	Physics Laboratory	ET SH - 08	32 x 32=1024 Sq. Feet	9.8m x 9.8m=96.04 Sq. Meter
9	Chemistry Laboratory	ET SH - 09	32 x 32=1024 Sq. Feet	9.8m x 9.8m=96.04 Sq. Meter
10	Workshop	ET WS - 11	42 x 50=2100 Sq. Feet	200 Sq. Meter
11	Electrical Engineering Laboratory.	ET EEL - 12	32 x 32=1024 Sq. Feet	9.8m x 9.8m=96.04 Sq. Meter



Analog Electronics Lab



Digital Electronics Lab



Communication Lab



Computer center & Lab



Embedded Lab



Physics Lab

Electronics Workshop & PCB Lab



Chemistry Lab



Practical Session



PR session



VLSI PR session



Practical Session



PR Session, Physics Lab



PR Session Electronics workshop

B. Quality of Labs/workshop (20)

Institute Marks

20.00

In general, quality of the laboratories is maintained as mentioned below;

- All laboratories are well furnished, well equipped and having adequate facilities to cater the need of experimentation and practical performance by students.
- All Laboratories are having latest equipments like Digital Storage Oscilloscopes, Digital DC Power Supplies, Function Generators and Experimentation Kits to conduct the experiments of all subjects as per MSBTE curriculum.
- Also latest eqipments like Microwave test Bench, Digital Commincation Trainer Kits, Electronics Work Bench and Embedded System Trainers Kits are also available in the laboratories and are utilised for Effective Curriculum Implementation.
- Computer Labs in department are having i3 and i5 machines with softwares and are also utilised for effective teaching learning process.
- Teachnig and non-teaching staff members take due care to maintain cleanliness and proper decorum so that students can take maximum benefits of the laboratory facilities to facilitate effective learning process.

In particular, the quality of the laboratories is maintained as explained below,

- Lab incharge and the supporting technical staff follow the maintenance schedule so as to calibrate the equipments and training kits for proper obsevations.
- Electrical safety of the laboratory is the top priority. electrical commnections, cable joints, CRO cords etc are frequently checked and tested for continuities. This ensures fast trouble-shooting during actual practical hours. Hence, students can pay more attention on understanding of the experiment.
- Endurance tests and mechanical stability tests of newly purchased equipments and kits are done to ensure the quality of the equipment, quality of internal connections, quality of PCB connections etc. This ensures sturdiness of the equipments during performance of the experiment.
- Lab incharge and the lab assistant check regularly the continuity of the fuse available on the back side of the equipment, CRO and training kit. This ensures trouble free use during performance of the experiment. Blown out fuses are immediately replaced.
- Departmental purchase procedure is a continuous process. Staff member keeps the list of equipments ready with necessary specifications.The list is approved by the HOD. Consolidated list of equipments to be purchased for the next academic year is prepared normally beforehand. As soon as, the DTE officer demands the list through central store, the type-written list is made available to the DTE officer immediately. This process ensures last minute rush and quality equipments are thus purchased for the department.
- Government of Maharashtra has started GEM portal since 2018. Hence, variety of equipments and specifications are readily available. This ensures fast access to quality equipments and thus quality of the laboratory can be maintained.
- Directorate of the Technical Education, Mumbai is also keen to provide quality technical education. Hence, in many Government Polytechnic colleges and Government Engineering colleges, DTE is going to establish centres of technical excellence. DTE is implementing the perspective plan for 2019-24 for every Government Institutions. Hence, institute is being developed at the faster rate so far as quality of the technical infrastructure is concerned. Hence, the rate of addition of new and quality equipments is accelerated.
- To maintain the quality of the laboratory, department is also keen to prepare the list of obsolete instruments for write-off. The write-off process is in progress in the department.
- High-tech instruments, microwave benches, costly trianing kits are permitted to use by students in the presence of the concerned teaching faculty to ensure trouble free use for subsequent batches. This also ensures fast execution of the experiment and student can use rest of the time to understand thoroughly the experiment, asking queries, drawing graphs, doing calculations and interacting with the faculty for various applications and use of the experiment which is just completed.
- Technical charts, boards of Dos and Don'ts are displayed at the prominent places in the laboratories. This ensures additional safety and better understanding leading to quality technical education.

- During general elections of 2019, institute was under control of the District Administration from March 2019 to May 2019. Collectorate office used this institute as a counting centre and then storage of EVMs for another three months. District administration has done major modifications in the cabling work, replacement of MCBs, switch boards, fans, tube lights etc. Total expenditure to the tune of 65 Lakhs are done simply for electrical modification work. Hence, automatically,

C. Technical Manpower support –Eligible and Adequate (10)	Institute Marks
	10.00

Eligibility of the Technical Manpower Support:

So far as eligibility of the technical manpower is concerned, it is duly submitted that,

- The number of working Supporting Staff is 04.
- Their designations are Technical Laboratory Assistant and Laboratory Assistant One Technical Laboratory Assistant is having qualification of Polytechnic Diploma in Information Technology.
- One Laboratory Assistant is having ITI Electronics qualification.
- One Laboratory assistant is a graduate.
- One Technical Laboratory Assistant is having qualification of Polytechnic Diploma In Electrical Engineering.
- These supporting staff are recruited in the service as per Govt service recruitment rules (RRs) and regulations.

Adequacy of the Technical Manpower Support:

So far as adequacy of the technical manpower is concerned, it is duly submitted that,

- Department follows a strict maintenance schedule of the laboratory equipments and training kits. The weekly utilization of the laboratories of the department allows four technical staff to work without overload.
- All lab incharges are lecturers and subject teachers. The seating arrangement of the lab incharge is in the concerned labs only. Hence, additional help is extended to students during project hours, extra practical hours.
- The manuals provided by the MSBTE are self explanatory. Faculty member demonstrates the experiment before the actual performance. Hence, students can perform the experiment without additional help from the lab assistant. Hence, lab assistant can focus on maintenance related activities on continuous basis during ab hours also.
- Electrical connections are monitored by the concerned faculty during practical hours as per departmental time – table. Hence, lab assistant can focus on lab maintenance related activities.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment(Costing more than Rs.30,000)	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Workshop	20	Portable Welding	12 Hours	Mr. Doiphode F	Lab Assistant	ITI Electronics
2	Electrical Engir	20	Wire Wound Resistor	18 Hours	Mr. Survase B.	Instructor (Elec)	Diploma in Elec
3	Analog Electron	20	Sine-Square gen	22 Hours	Mr. Gund S.S.	Instructor (Tech)	Diploma in Info
4	Digital Electron	20	Sine-Square gen	19 Hours	Mr. Gund S.S.	Instructor (Tech)	Diploma in Info
5	Communication	20	RF signal gene	23 Hours	Mr. Gund S.S.	Instructor (Tech)	Diploma in Info
6	Computer Cen	20	Laptop Note bo	21 Hours	Mr. Gund S.S.	Instructor (Tech)	Diploma in Info
7	Microcontroller	20	Microcontroller	12 hours	Mr. Gund S.S.	Instructor (Tech)	Diploma in Info
8	Electronics Wo	20	P.C.B.Manufac	06 hours	Mr. Gund S.S.	Instructor (Tech)	Diploma in Info
9	Physics Lab	20	Bunsen Spot P	22 hours	Mrs. Lagdive V	Lab Assistant	BSC Bed
10	Chemistry Lab	20	Digital PH mete	22 hours	Mrs. Lagdive V	Lab Assistant	BSC Bed

6.3 Additional facilities created for improving the quality of learning experience in laboratories (20)

Total Marks 20.00

A. Facilities (10)	Institute Marks
	10.00

Enhancement of Laboratory facilities done in the Department in Last three Years is as follows

Sr. No.	Name of Laboratory	Cost of Equipment purchased in Lakhs (2016-17,2017-18,2018-19)	Amount in Lakhs required to enhance Facility for future scope	Reason of Enhancement
01	Communication	5.184	4.0	Lab Development and Upgradation is done by Procuring new Equipments.
02	Digital and Microprocessor	0.575	1.0	

03	Basic and Analog	5.863	1.0	New experimental kits for OCS, DCO, PEL, Embedded System and Microcontroller are procured.
04	Computer	10.925	2.0	
05	Embedded Systems	8.0635	10.0	New experimental kits for VLSI, DCO, Embedded System and Microcontroller are procured.
06	PCB and Project	0	4.0	
07	Audio Visual Hall	0	3.0	Computer Hardware Lab and Micro controller and Embedded System Lab are upgraded with 31 New i5 and i7 computer systems.
Total Amount		30.6105	25.0	

Department Facilities

Sr. No.	Name	Department Notice Board Number	Area in Feets
1	Notice Board 1,2	ET NB – 01,2	4 x 3 =12 Sq. Feet
2	Notice Board 3	ET NB - 03	4 x 2.5 =10 Sq. Feet
3	Notice Board 4,5	ET SHNB – 04,5	3 x 2 = 6 Sq. Feet
4	Display Board 1	ET DB - 01	4 x 3 =12 Sq. Feet
5	Display Board 2	ET DB - 02	3 x 2 =06 Sq. Feet
6	Display Board 3	ET DB - 03	3 x 4 =12 Sq. Feet
7	Display Board 4	ET DB - 04	2 x 3 =6 Sq. Feet

Sr. No.	Facility Name	Department Room Number	Area in Feets	Area in Sq. Meter
1	Project Laboratory	ET L-08	13 X 29=376 Sq.feet	4 X 8.8 = 35.20 Sq.mtrs.
2	Online Digital Classroom and Media Room	ET ODC/MR CR-05	29 X 24=696 Sq.feet	8.8 X 7.3 =64.24 Sq. mtrs
3	PCB Development Dark Room (Located in Chemistry Lab)	ET L-07	5.7 X 14 = 79.8 Sq.feet	1.7 X 4.2=7.14 mtrs.
4	Departmental Library	ET-02 (Shared with Departmental Store)	5.7 X 14 = 79.8 Sq.feet	1.7 X 4.2=7.14 mtrs.



Computing Facility



Computing Facility

B. Effective Utilization (5)

Institute Marks

5.00

Sr. No.	Facility Name	Details	Reason(s) for Creating Facility	Utilization	Area in which Students are expected to have enhanced learning in square meters	Relevance to Pos/PSOs
1	Project Laboratory	ET L-08	To provide project selection, project report preparation, project technical development and testing facilities using computer and internet for final year students under CPP subject.	06 hours per week	$4 \times 8.8 = 35.20$ Sq. mtrs.	Relevant to program outcome Sr. No.06 to develop leaders to manage the project in a team. Relevant to PSO of engineering tools.
2	Online Digital Classroom and Media Room	ET ODC/MR CR-05	LCD projector and internet facility provided in class room on demand basis of weekly two faculties to conduct video lectures viewing, expert lectures, ICT and other student activities.	13.5 hours per week (Frequency of utilization is weekly two hours per day and 7 Hours per working Saturday i.e. 3.5 hours weekly)	$8.8 \times 7.3 = 64.24$ Sq. mtrs.	Relevant to program outcome sr. No.04 to use latest online teaching learning tools. Relevant to PSO related to engineering tools.

3	PCB Development Dark Room	ET L-07 L-07	To provide PCB preparation facility such as Etching etc. of micro and mini projects for first year and second year students in variety of subjects.	6 hours per week depending upon PCB preparation work.	3.5 X 3.5=12.25mtrs.	Relevant to program outcome Sr. No.04 to apply appropriate technique for experimentation. Relevant to PSO of engineering tools.
4	Models and charts	All the models of Advance communication Engg. equipment are kept in the lab	To give better understanding of the equipments.	In all the courses of Electronics and communication.	In all the courses of Electronics and communication.	PO1,PO2, PO6/PSO1
5	Old projects, computer hardware spares, old trainer kits hardware	Better old projects of Electronics and communication Engg. are kept for further studies	To reutilize old training kits and equipments as demonstration models.	Used by present batches for innovation in the related Projects.	Subjects with Innovative Project work.	PO2,PO3,PO4 PO6/PSO1,PSO2

C. Relevance to POs/PSOs (5)

Institute Marks

5.00

Sr. No.	Facility Name	Relevance to Pos/PSOs
1	Project Laboratory	Relevant to program outcome Sr. No.06 to develop leaders to manage the project in a team. Relevant to PSO of engineering tools.
2	Online Digital Classroom and Media Room	Relevant to program outcome sr. No.04 to use latest online teaching learning tools. Relevant to PSO related to engineering tools.
3	PCB Development Dark Room	Relevant to program outcome Sr. No.04 to apply appropriate techniques for experimentation. Relevant to PSO of engineering tools.
4	Models and charts kept in the lab	PO1, PO2, PO6/PSO1

5	Old projects, computer hardware spares, old trainer kits hardware	PO2, PO3, PO4 PO6/PSO1, PSO2
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Sr. No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	Project Laborat	ET L-08	To provide proj	06 hours per w	4 X 8.8 = 35.20 Sq. mtrs.	Relevant to prc
2	Online Digital C	ET ODC/MR C	LCD projector :	13.5 hours per	8.8 X 7.3 =64.24 Sq. mtrs	Relevant to prc
3	PCB Developm	ET L-07 L-07	To provide PCE	6 hours per we	3.5 X 3.5=12.25mtrs.	Relevant to prc
4	Models and ch	All the models	To give better u	In all the cours	In all the courses of Electro	PO1,PO2, PO6
5	Old projects, co	Better old proj	To reuse and re	Used by presen	Subjects with Innovative Pr	PO2,PO3,PO4

6.4 Laboratories: Maintenance and overall ambiance (10)

Total Marks 10.00

Institute Marks

10.00

Maintenance:

1. All the laboratories are equipped with necessary equipments.
2. Routine maintenance of equipments is carried out.
3. All DSRs are maintained as per government rules and regulations.
4. Write off process of equipments is done regularly.
5. The climate for working in laboratories is healthy and comfortable.
6. Water connections are available wherever necessary.
7. History cards of equipments are maintained.
8. Lab utilization register is maintained.
9. Sufficient area for work is available.
10. Posters showing precaution to be taken during the work are displayed
11. Posters / charts of devices are displayed
12. Calibration of the laboratory equipment is done frequently.
13. Labwise equipment registers are prepared and maintained.

Ambiance:

1. Department has fully furnished State of Art laboratories.
2. Condition of furniture is good.
3. All the labs are conducted and valuated.
4. Labs are equipped with sufficient hardware.
5. Sufficient number of windows available for ventilation and natural light also every lab has single exit.
6. Lighting system is effective along with the natural light in every corner of the rooms.
7. Cup-boards are available in sufficient numbers.
8. Shoe racks are available for students belongings.

6.5 Availability of computing facility in the department (10)

Total Marks 10.00

Institute Marks

10.00

Sr. No	No Of Computer terminals	Students Computer Ratio	Details of Legal Software	Details of Networking	Details of Printers, Scanners etc.
1	40	01:06	Machines are p	LAN with Broac	Scanner flatbed

6.6 Language lab (10)

Total Marks 10.00

The Department is having well equipped ,furnished , adequate Language Lab run by Science and Humanities section .The Lab is utilised to conduct practicals of Communication Skill and English Subjects. The infrastrucure avaibale is mentioned in following Table.

Name	Department Room Number	Area in Feets	Area in Sq. Meter
Language Laboratory	ET SH - 10	22 x 22=484 Sq. Feet	6.7m x 6.7m=44.89 Sq. Meter

The Equipments available in the Language Lab are mentioned in following table and utilised for teaching learning process.

Sr. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important equipment (costing more than Rs.30,000/-)	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
01	Language Lab	20	Intel based core 2 duo 20 computers i3 5 Computers Headphone Sets:20	22 Hours	Mrs. Lagdive V.G.	Lab Assistant	B.SC, B.Ed.

Software: Biyani Technologies ACE Digital Language Lab is a user friendly interactive Software which improves communication of students developing language learning skills i.e. Listening, Speaking Reading and Writing			
Samsung Laser Printer			
HP Scanner			
HP Printer 1005 All in one (Scanner, Xerox, Printer)			

- Utilization

Details of Learning Resources:

Sr.No	Skills	Resource Available	Features
1	Speaking	Biyani Technologies ACE Digital Language Lab Software	Software gives student facility of listening, speaking, repeating, comparing and writing the lessons assigned by teacher.
2	Vocabulary		
3	Presentation		
4	Listening Skill		

- Extra Activities Conducted:
- Conducting Group Discussion sessions.
- Use real life situations for explanation.
- Show video to develop listening skill and enhance vocabulary.



Language Lab

7 CONTINOUS IMPROVEMENT (75)

Total Marks 75.00

7.1 Actions taken based on the results of evaluation of each of the POs and PSOs (25)

Total Marks 25.00

Institute Marks

25.00

POs Attainment Levels and Actions for Improvement- (2019-20)

POs	Target Level	Attainment Level	Observations
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PO 1 : Basic and Discipline specific knowledge

PO 1	4	4	Measures explored, identified and implemented to improve POs & PSOs attainment levels, for the (G-scheme) batch admitted in AY 2016-17, passed out in 2018-19 and for the assessment year 2019-2020. This was the last batch of the scheme. The
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Action 1: Regular staff allotted for Computer ICT courses to improve awareness of students.

Action 2: Separate time table planned for DSY students.

Action 3: Up-gradation of computer lab is done with high configuration computers.

Action 4: Tutorial hour is allotted in new curriculum for mathematics for effective teaching

PO 2 : Problem analysis

PO 2	4	3	The problem identification, solving and analyzing skills, although inadequate, gained through first and second year courses help the students to apply in real life/ time application. Online exam courses like Basic Science, Applied Science and
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Action 1: A quiz and a program arranged for improvement in “Logical Thinking”.

Action 2: Upgradation of computer lab with high configuration computers, for enabling various types of online exams and better digestion of computer related courses.

Action 3: Students are encouraged to participate in various inter-collegiate competitions;

PO 3 : Design/ development of solutions

PO 3	4	3	More focus is given on developing technical skills and moderate weightage has been given to design and development aspect while designing the diploma curriculum. Management course and core courses like CSP, CHN caused lower PO3 attainment.
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Action 1: Upgradation of computer lab with high configuration computers, for enabling various types of online exams, analysis of results.

Action 2: Department has signed number of Memorandum of Understanding [MoUs] with related industries for industrial visits, industrial trainings, expert lectures and workshops.

PO 4 : Engineering Tools, Experimentation and Testing

PO 4	4	3	Students are facing difficulties in handling instruments used in domain related courses like EMI, PE, CHN, VLSI, AVE, CSP. Experimentation, testing & various skill developments among students need
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Action 1: Industrial training is arranged for better equipping students in handling latest instruments and tools.

Action 2: Laboratories are developed by procuring modern electronic instruments.

Action 3: Modern tools like Xilinx, MATLAB, Proteus are used.

PO 5 : Engineering practices for society, sustainability and environment

PO 5	4	3	The courses of Electronics and communication Engineering are exploring and addressing the requirement of safety and social concerns regarding engineering practices in real life.
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Action 1: Students are taken to various organic farms, non conventional energy plants, industries to explore cleanliness, safety, environment and social issues.

Action 2: Students are encouraged to observe their surroundings for probable sustainable solutions to the societal and environment issues.

PO 6 : Project Management

PO 6	4	3	Students are better in overall skills in field of Engineering, but some of them lack in communication skills, general awareness and exposure to engineering management in real life situations.
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Action 1: Under Micro project, Seminar and Project , students are trained to handle project related challenges and need of incorporating innovative concepts, so that they can work effectively as an individual or as a member /leader of a group.

Action 2: Career planning program, motivational sessions and industry expert lectures are arranged

PO 7 : Life-long learning

PO 7	4	3	Most of the courses of the program are demonstrating the resources for trending issues and lifelong learning. Students must be encouraged more to assimilate content within & beyond curriculum and express themselves.
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Action 1: Digital classroom ICT facility is specially developed for students to view screening of online video lectures, PPTs, videos.

Action 2: Institute is in the process of developing a digital library.

Action 3: Students are introduced to the importance of self learning through novel online portals

PSOs Attainment Levels and Actions for Improvement- (2019-20)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Electronics And Communication Systems: Maintain various types of Electronics and Communication Systems.			
PSO 1	4	3	It is observed that skills based on PCB fabrication process and use of latest equipments need more enforcement. Performance of students in PE, CSP, AVE, CHN show subtle contribution in attainment of PSO1. Students must undergo

Action 1: Students are given special training on PCB making, assembly and soldering.
 Action 2: They are encouraged to carry out experimentation on breadboard or zero PCB.
 Action 3: Workshops on Solar Study Lamp Assembly, IOT using Arduino, ACS are arranged.
 Action 4: Students are instructed to participate in various poster, project competitions.

PSO 2 : EDA Tools Usage: Use EDA tools to develop simple Electronics and Communication engineering related circuits.

PSO 2	4	3	Knowledge of modern Electronic Design Automation (EDA) software tools is essential in design and analysis of Electronics circuits, integrated circuits and printed circuit boards. For this reason proficiency in all the computer related skills is binding.
Action1: Computer lab is upgraded with high configuration computing systems. Action2: Regular staff allotted for Computer ICT courses to improve awareness of students. Action3: Digital Classroom is developed as an ICT facility. Action4: Modern tools like Xilinx, MATLAB, Proteus are used.			

7.2 Improvement in Success Index of Students without the backlog (10)

Total Marks 10.00

Institute Marks

10.00

Items	Latest Passed out Batch (2016-17)	Latest Passed out Batch minus 1 (2015-16)	Latest Passed out Batch minus 2 (2014-15)
Success Index (from 4.2.1)	0.45	0.38	0.47

7.3 Improvement in Placement and Higher Studies (10)

Total Marks 10.00

Institute Marks

10.00

Items	Latest Passed out Batch (2016-17)	Latest Passed out Batch minus 1 (2015-16)	Latest Passed out Batch minus 2 (2014-15)
Placement Index (from 4.6)	0.83	0.92	0.94

7.4 Improvement in Academic Performance in Final year (10)

Total Marks 10.00

Institute Marks

10.00

Items	Latest Passed out Batch (2016-17)	Latest Passed out Batch minus 1 (2015-16)	Latest Passed out Batch minus 2 (2014-15)
Academic Performance Index (from 4.3)	6.93	6.65	7.47

7.5 Internal Academic Audits to Review Complete Academics & to Implement Corrective Actions on Continous Basis (10)

Total Marks 10.00

Institute Marks

10.00

Items	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)
Internal Academic Audits	Internal acader	Internal acader	Internal acader

7.6 New Facility created in the Program (10)

Total Marks 10.00

Institute Marks

10.00

Items	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)
New Facility Created	Corrective clas	Departmental li	Weaker studen

8 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00

8.1 Mentoring system to help at individual level (10)

Total Marks 10.00

8.1 Mentoring system to help at individual level (10)**Objectives of mentoring system:**

- I. To enhance the students' confidence and motivate them for setting higher goals, risk taking abilities and ultimately guiding them to achieve higher levels.
- II. To help students for individual recognition and encouragement.
- III. To provide guidance to get exposure to diverse academic and professional perspectives.
- IV. To develop the interpersonal skills and helping students thrive in competitive environments.
- V. To encourage students to participate in various activities to develop social skills.

Details of the mentoring system that has been developed for the students for various purposes and also states the efficacy of such system (10)

The institute is a women's residential polytechnic institute. Entry level students are tenth pass students and majority of them are from rural area. Academic performance of these students in the tenth class is in the range of 70 to 98 percent. Entry level age group ranges from 16-18 years. Most of them usually complete their SSC in Marathi medium and a few of them are able to complete their SSC in English or semi-english medium. Hence the institute administration is having a great challenge to inculcate basic behavioural changes right from the beginning. A stereotyped mentoring system may not work directly. Hence, institute has developed its own mentoring system with its proven efficacy over the years. The factors, such as, poverty of this region, water scarcity, rural background of the parents and above all the mentality of the masses to look at the government institute are to be taken into account while designing an effective mentoring system. Hence, the institute has its unique and integrated mentoring system responsible for overall development and upward progress of the students. Over the years, the mentoring system has proved its efficacy and benefits which results in hundred percent admissions since many years from now. Students and parents believe in the mentoring and guidance provided by the institute to the great extent and hence parents appreciate the institute during parents convention as "home away from home". Many local students do prefer to stay in the hostel which is also one of the results of our mentoring system. In many professional colleges in the metro cities, many a times, mentoring means weekly or fortnightly meeting of the mentees with the mentor. The mentor is supposed to be busy in keeping the record and making tabular entries about counselling and submitting an annual report to the chief mentor or HOD. Students in the big cities inherently gets good exposure to professional ethics, attitude, etiquette and manners. The situation in this institute is entirely different as majority of our students are with rural background. Hence, readily available mentoring system may not effectively work directly. Hence, institute has devised its own integrated mentoring system. Another challenge is the number of regular staff members in the institute. Government has its own norms for transfers of the staff members every after three years. Even though, the faculty positions are sanctioned by the government, faculty members prefer to opt for request transfers to big cities sooner or the later. As on today, the institute has only 24 regular posts filled by the government out of total sanctioned teaching posts of 39. Total students on roll are 800 plus. Visiting faculty members are many but mentoring responsibility cannot be shouldered upon them. In nutshell, head of the institute needs to accept the challenge to design an optimum yet effective mentoring system which requires less paper work but end results are expected

to be good or very good. The success of the mentoring system of the institute is very evident in higher studies. Most of the students use this institute as a stepping stone for higher engineering study. A large percentage of third year students seek U.G. studies in many metro cities after successful completion of engineering diploma. This reveals that the students of this institute gain requisite momentum and confidence, regardless of their rural background, due to its unique mentoring system. The confidence level is boosted up. Institute considers upward enrolment in the U.G. studies by students in many metro cities as one of the effective outcomes of its unique mentoring system. The faculty member plays an important role between the students and the institution for all round development of the students. The unique integrated mentoring system of the institute is classified as,

- A. Entry level mentoring system
- B. Mentoring system for the best academic and co-curricular performance
- C. Mentoring system for professional achievements
- D. Mentoring system for personality growth and life management

All aforementioned mentoring systems are explained in short, with their sub-classification, as given below;

(A) Entry level mentoring system:

It includes four types of mentoring and guidance, such as, course selection and course admission mentoring, hostel admission mentoring, procedural mentoring and finally orientation and Induction mentoring system. Details are given below.

(A1) Mentoring for course selection and course admission:

Mentoring at the entry level is done by Admission committee on one to one basis. This type of mentoring plays an important role in branch selection. Course details and employment opportunities in the branch to be selected are mainly focused. Online form submissions, option marking are also the challenging tasks. This mentoring is continued almost for two months. A few lucky students are able to get admission in this institute based on their SSC percentage. However, as the counselling is offered to other students who are not actually admitted but they too are benefitted and prefer technical education in other institutes.

(A2) Hostel admission mentoring:

Another entry level mentoring is done by the hostel admission committee. This mentoring also plays an important role because majority of the students feel homesick as they have left their home for the first time. Hence, such type of mentoring include guidance on the simple to complex issues such as room allotment, roommate selection, collection of medical history and allergy history, introduction of hostel rules and timings, etc. Hostel admission committee is headed by Rector who is normally a senior ladies teacher. All other members are the wardens who are regular teaching faculty members. This mentoring is done on continual basis. First year students are benefitted most by this type of mentoring.

(A3) Procedural mentoring:

Procedural mentoring is done by students' section staff, scholarship committee and staff members of the concerned department. Procedural mentoring includes guidance during submission of admission form, MAHADBT scholarship form, enrollment form submission, examination form submission, opening of bank account and student – related office formalities. The work of this mentoring committee continues up to odd semester end examination. HODs and staff members (other than rector and warden) of the department to provide necessary guidance and mentoring during completion of procedural formalities.

(A4) Orientation and induction mentoring System:

Principal is the chief mentor of the institute. Principal, HODs and senior staff members provide necessary mentoring to first year students during a weeklong full time orientation cum induction program. The main aim of induction mentoring system is to make students aware of the activities of AICTE, DTE, MSBTE, RBTE in the technical education. Recently, I - scheme is introduced by MSBTE as a part of outcome based education system. Hence, major attributes of recently introduced I - scheme including micro-projects, industrial training, course objectives, course outcome are covered by HODs and other senior mentors.

(B) Mentoring system for the best academic and co-curricular performance:

It includes three types of mentoring and guidance, such as, mentoring system for the best academic performance (course work /laboratory specific), mentoring system for co-curricular performance and residential mentoring. Details are given below.

(B1)Mentoring system for the best academic performance

(Course work /laboratory specific):

Participatory learning activities are adopted by the faculty to facilitate student-centric learning apart from class room instructions. Seminar, group discussion and demonstration, conceptual quiz, micro project, remedial classes, dissertation work, internship, industrial visits, hands on training and field training form an integral part of participatory learning methodologies. Staff members are always available for proper and timely mentoring to the needy students so that their academic performance is boosted up. Since the institute is a residential institute, staff members are expected to remain in touch with the students even after office hours. Hence, many students do get liberty to be in constant touch with their teachers and wardens for solving queries related to academics also. As the institute is the residential technical institution, extra or additional classes are also held on weekends. Due to green and clean campus, students get liberty to study in an open environment on weekends and holidays. A new comer visiting the campus on weekends gets a feeling of Shantiniketan as he sees more than 100 plus students are sitting under trees (most of the trees are planted by staff and students !) and busy in their studies. Wardens do visit on weekend to monitor the discipline and to provide mentoring to the seekers. Academic mentoring is very effective so far as technical board (MSBTE) results are concerned.

(B2) Mentoring system for co-curricular performance:

Academic departments are having dedicated, highly educated and knowledgeable faculty members as an intellectual asset who offer guidance to the students in addition to the classroom teaching for professional development. The students are also benefitted by attending expert lectures by professionals, technical events and industrial visits. HODs and faculty members accompany students during industrial visit and technical events. Brief overview of the industry to be visited is given to the students prior to industrial visit. This helps students to better interact with the industry personnel during visit. Mentoring and guidance is provided by the staff members and HOD while visiting premier technical institutions for technical events, poster presentations, DIPEX state level project competitions. Mentors in the department motivate students to participate in multiple technical events, quiz competitions, project exhibitions throughout the year. External academic monitoring committee appointed by MSBTE has admired students for active participation in multiple technical events. "Excellent academic grades" consistently awarded to the departments by MSBTE external academic monitoring committee are the evidences of the best academic and professional guidance and mentoring provided within the institute.

(B3) Residential mentoring:

Residential mentoring is the most important type of mentoring of all mentoring systems of the institute. It is highly required keeping in view the adolescent age of the newly admitted students. Residential mentoring is very well appreciated by the parents. Many parents, during parents' convention, admit that their wards are safer in this institute than home. Many of the parents admit that they visited the institute only at the time of admission and after course completion because the institute authorities have taken utmost care of their wards during three years and did the role of parent cum mentor to the best possible extent.

Our institute is a residential women's institute with 100 percent admissions and 100 percent residential facilities. However, there are no separate posts of wardens and rectors. Hence, regular ladies staff members are given the responsibility of rectorship and wardenship. Class III regular ladies employees are given the duties of hostel clerk or assistant warden or night warden. Residential mentoring is done through the members of residential warden committee, Vishakha committee, SC/ST Cell committee, anti-ragging committee and anti-ragging squads. Night wardens are appointed for counselling and guidance during dinner hours. They are also responsible to take care in case of medical emergencies during night hours. Counselling sessions on personal hygiene, self defence, relationships building etc are arranged for the benefit of the students. The success of the residential mentoring is seen when many local students prefer institute hostels over homes for staying during course duration. Residential mentoring helps students to feel at home. Residential mentoring plays an important role in maintaining high academic results of our students.

C) Mentoring system for professional achievements: It includes two types of mentoring and guidance, such as, mentoring system for the industrial training and mentoring system for carrier guidance. Details are given below.

(C1) Mentoring system for industrial training:

6-week industrial training is an integral part of MSBTE I-scheme implemented since academic year 2019-20. With proper mentoring and guidance provided by the mentors from academic departments, students could complete 6-week training successfully. It is expected that students need to make their own lodging and boarding expenses. With proper mentoring, many students preferred outstation prestigious central government industrial training organization such as Indo German Tool Room (IGTR), Aurangabad for industrial training. Mentoring during industrial training is a must as the maintees are required to maintain the pace with the schedule and professional working style of training organisation. Mentors take regular feedback from trainers and provide necessary inputs and guidance to the students undergoing training so that they can fully focus on the training to reap maximum benefit from the training. Once students complete the training successfully, appointed mentors also help students to prepare training report and presentations. The success of the mentorship during industrial training is visible from zero percent dropout rate in case of training. It is needless to mention that medical electronics students successfully completed hospital training of one semester at many renowned hospitals including Aditya Birla memorable hospital, Pune and Dinanath Mangeshkar hospital in Pune, very successfully. A few students undergoing hospital training are offered jobs by the training organization after completion of the training.

(C2) Mentoring system for carrier guidance:

Principal of the institute insisted since beginning of his tenure in the institute as head of the institute that carrier guidance is very much important for aspiring candidates. Government has abolished the post of a full time training and placement officer (TPO) which was the cadre equivalent to HOD. It was done because polytechnic students prefer higher engineering education over job. Hence, institute appoints an experienced teaching staff member to look after the duties and responsibilities of TPO. Institute has signed MOUs with some industries and institutes of higher learning so that students can get a good exposure to carrier guidance opportunities. Academic department appoints one staff member as training and placement coordinator to work with TPO of the institute. Departmental coordinator acts as a mentor for placement related activities. Many a times, a group of teachers from that department provide guidance and mentoring to the students before pre-placement talk. Mentors help students regarding presentation and group discussions methods, mock interviews, general ability test, technical ability test and personal interview. Principal and chief mentor of the institute provides necessary inputs regarding preparation for the final interview. Recently, PHILIPS health care industry situated at Pune conducted on –campus placement drive for the students of this institute. During preplacement talks, HR team of PHILIPS health care appreciated efforts taken by staff members for inculcating technical skills and professional skills in students. Students of electronics engineering and medical electronics engineering gave satisfactory and correct answers for all the questions raised by HR team. PHILIPS health care HR team, after a day long selection schedule including written test, technical ability test and personal interview, finally selected 09 students of this institute. VARROC engineering limited, Chakan, Pune recently hired 20 students from the institute. These 20 students are simultaneously expected to undergo advanced diploma in Mechatronics from TISS (TATA Institute of Social Sciences) to make them compliant with future industry standards governed by industry 4.0. Institute has a separate mentoring committee to arrange spoken English programmes and personality grooming programmes by the experts. Carrier guidance and carrier mentoring is a continuous activity and institute is keen on providing every possible input regarding carrier guidance so that students can excel as and when professional opportunities are available. Dress Designing and Garment Manufacturing (DDGM) department is the specific branch in which students need special skill oriented programmes. Very often, DDGM department arranges such programmes by industry experts for skill transfer. Annual fashion show arranged by DDGM department is the biggest attraction for all the staff and students. Institute staff members and the parents feel proud while witnessing the show in which students wear self-stitched fashion dresses in that event. This way, entrepreneurial mind set of the student is also developed. Special to mention that personality development mentoring committee arranged personality development programme in 2018 in association with Seed Infotech sister concern “aspiring carriers”.

(D) Mentoring system for personality growth and life management:

It includes five types of mentoring and guidance, such as, mentoring by various gymkhana committees, mentoring by sports committees, mentoring committee for self reliance, mentoring committee for self defence training, Mentoring system for women's rights and other life management aspects. Details are given below.

(D1) Mentoring by various gymkhana committees: Gymkhana section conducts a variety of programmes for all round development of the students. Annual social gathering is an important event where every single student is motivated to perform in one or many activities including dance competition, dress designing performance and presentation, singing competition and much more. All the staff members work in harmony and provide mentoring at every single step so that students can build their level of self confidence, can improve their stage daring and thus inculcate social and presentation skills. Ayudh-Poojan event (just before Dussehra festival) is organised by students only, since many years. Every department is decorated very nicely and ayudh- poojan is performed. Fresher's party is arranged immediately after ayudh- poojan after for the new comers. It is the event for the students, by the students and of the students. Students are thus motivated to learn management skills and organizational skills. It is surprising to see all the budding technocrats to wear traditional dresses and saries. Department heads and staff members provide necessary guidance and mentoring. Teachers Day too is celebrated by the students with great enthusiasm and spirit.

(D2) Mentoring by sports committees:

Various sports committees are formed in the beginning of the odd session, every year. Mentors and coordinators are expected to provide coaching and guidance. Internal sport events are also organised in the institute where various students' teams participate. Winner teams participate at zonal and inter-zonal competitions. Kho-kho, kabaddi, volley ball, basket ball, chess, athletics events etc are arranged. In 2019, this institute had arranged a state level IEDSSA (INTER ENGINEERING DIPLOMA STUDENTS' SPORTS' ASSOCIATION) event for two days. Winner teams from the state of Maharashtra joined this event organised by this institute. More than 400 plus students from all over Maharashtra participated in this event. Institute staff and students made all the arrangements including lodging and boarding for all the participants. Students of this institute learnt event management skills, presentation skills and organizational skills. Staff members worked as guide and mentors. Institute is witnessing such type of mentoring since many years because state level (inter –zonal) and zonal sports events under IEDSSA are organised for many times. **The students of the institute are having legacy to win most of the titles in zonal and interzonal sports competitions. Most of the times, the students of this institute are winners in most of games and hence win normally general championship in Zonal / interzonal sports events under the aegis of IEDSSA.**

(D3) Mentoring committee for self reliance (case study of cooperative mess):

This institute is a unique institute in Maharashtra from the point of view of self reliance. Institute believes in the saying that "do it first and then spread the message". Institute is running students' cooperative mess since last 10 years very successfully. This unique feature makes it possible for this institute to put a colourful feather in its cap. Students are running the cooperative mess since last 10 years very successfully. Necessary guidance and mentoring is extended throughout the year by the staff mess committee. Processes right from purchasing vegetables and grocery from the local market, distribution of food, food quality control, governance and discipline, accounting, cleanliness etc. are executed by students committees under the guidance of staff committees responsible for mentoring for self reliance. Staff committees are responsible for quality control and hygiene. However, staff committees are getting it done through students. Charges are merely Rs. 800 to 850 for two meals a day for a month. Students are thus getting the live training of self reliance. This cooperative mess is the role model of mess operating in many colleges in the state of Maharashtra. If the mess is given on contract basis to the outside contractor then per head monthly bill will be around Rs. 2000/- . Hence, every student of this institute earns about Rs.1200/- indirectly, by way of savings. In other words, many visitors including Hon. MLA, Hon. M.P., Hon. Collector and other dignitaries have appreciated this unique model of mess as the best model of entrepreneurship and self reliance within the institute.

(D4) Mentoring committee for self defence training :

Self defence is a must in today's world, especially, for girls. All the wardens are the members of this committee. Special karate training class of 7-10 days is arranged in the institute in association with well-known karate trainers. More than 170 students have participated in a week long karate training conducted in two phases. This particular activity was well appreciated by Hon. Secretary of Technical Education, Govt of Maharashtra as it is the unique move towards women empowerment.

(D5) Mentoring system for women's rights and other life aspects (discipline committee, Vishaka committee, anti-ragging committees, anti-ragging squads, committee for reservation categories, etc) :

Institute is a women's residential institute. Girl students must be aware of women empowerment, women's rights and relevant life aspects. Hence, various committees including NGO representatives too are mandatorily formed and provide mentoring to the students as per their need. Various mentoring and guidance programmes are arranged by the hostel department, police department, collectorate and other NGOs so that girl students are aware of physical crime, crime through social media, online frauds etc. Institute Authorities also motivate students to participate in social events such as "Nirbhaya self defence camp", "Yog Shibir", and "Mahila Surkhsha". Expert talks by renowned personalities motivate the students for all round development. Hence, institute assures students and their parents for crime free campus.

Additionally, mentoring committees for Yoga, ECO - CLUB for pollution free environment do provide mentoring and guidance, time to time, for life management aspects.

Efficacy of mentoring system

The effectiveness of mentoring system is evident through;

- I. Our students are having excellent academic record, and various academic Departments of the institute received **excellent** grades in external academic Monitoring by Maharashtra state board of technical education, Mumbai.
- II. Maximum numbers of students pursue higher studies.

III. College drop-out rate is very negligible.

IV. No complaint of theft or ragging in last 05 years.

V. Participation of students in yoga and self defence programmes like karate Training is overwhelming.

VI. Students enthusiastically participate in election awareness programme.

VII. Above all, since last many years performance of our students in Zonal and Inter Zonal (State level) sports competition (arranged by Directorate of Technical Education, Maharashtra State, India (<http://dtemaharashtra.gov.in/>) and Inter engineering Diploma Students Association IEDSSA) is excellent.

VIII. Institute have won General Championship Trophy for the year 2018 and 2019.

Formats of various programmes conducted at Institute level :



शासकीय निवासा माहला तत्रानकतन, लातूर

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MSBTE Code-0136



कार्यालयीन आदेश

जा.क्र.शानिमतनिला/आव्या/२०१८/३७२
दिनांक :- ९९-०६-२०१८

संदर्भ:- उपसचिव, महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, प्रावेशिक कार्यालय, औरंगाबाद यांचे पत्र क्र.मरातशिले/ प्राकाओ/वी.उ०/टटो/२०१८/१४४९, दिनांक ०५-०५-२०१८

उपरोक्त संदर्भीय पत्रान्याये शैक्षणिक वर्ष २०१८-१९ करिता महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, प्रावेशिक कार्यालय, औरंगाबाद अंतर्गत आपल्या संस्थेयाचे "I Scheme Curriculum Orientation Programme" चे प्रशिक्षण आयोजित करण्यात आलेले आहे. सदर प्रशिक्षण सुरक्षीत व सुयोग्यपणे पार पाडण्याकरीता खालीलप्रमाणे समिती गटील करण्यात येत आहे.

१. डॉ.अ.म.आगरकर, वि.प्र.वैद्य.अणुविद्युत नव्या प्र.प्राचार्य मुख्य समन्वयक
२. श्रीमती.प्रे.वि.राठोड, वि.प्र.अणुविद्युत समन्वयक
३. श्री.अ.गो.वाराडे, अधि.अणुविद्युत समन्वयक

समितीत खालील सदस्यांचा समावेश करण्यात येत असुन या सदस्यांनी मुख्य समन्वयक व समन्वयक यांचे मार्गदर्शनाखाली नेमूळ दिलेली कार्य पूर्ण करतील.

आ.क्र	समितीचे नाव	समिती प्रभुला व सदस्य	कामाचे स्थाप
१.	नॉंदवी समिती (Registration)	श्रीमती.शृ.न.चिंदे, अधि.डी.डी.एम. कु.र.थ.कायर, अधि.संगणक श्रीमती.अ.सं.पाटील, अधि.संगणक श्रीमती.अ.पि.योडे, अधि.अणुविद्युत कु.नि.भ.खडके, अधि.रसायनशास्त्र श्रीमती.स.श.शिरलक्कु, प्र.शा.स. श्री.क.भा.सुरवंशी, हमाल	सदस्यांदी नॉंदवी करणे, अभिप्राय देणे Attendance Certificate देणे
२.	सभागृह व्यवस्थापन समिती	श्री.आ.रा.हसोरीकर, अधि.इंग्रजी श्रीमती.सो.अ.हरताळकर, अधि.वैद्य.अणु श्री.अ.दा.कांवळे, तो.प्र.शा.स. श्री.वा.इ.सुरवसे, वीजंतंत्री	P.A.System , Laptop, Screen तसेच Projector व्यवस्था करणे. वैनरदी व्यवस्था तसेच नेमालेटम् इ.व्यवस्था
३.	भोजन व्यवस्था व चाहापान समिती	श्री.च.कौ.धुळांडे, अधि.गणित श्री.रे.व.काळडे, अधि.विद्युत श्री.ज.च.राठोड, अधि.बंत्र	सदस्याकरीता दुपारचे जेवणाची तसेच दोन वेळेस चाहाची व्यवस्था करणे.

तसेच संस्थेतील सर्व विभागामुळे यांना सुचित करण्यात येते की, आपआपल्या विभागात I Scheme Curriculum Orientation Programme येण्याकरीता Laptop, Screen इ.वी.व्यवस्था करावी.

(डॉ.अ.म.आगरकर)
प्र.प्राचार्य,
शासकीय नि.म.तत्रानकतन,
लातूर.

प्रती:-

आदेशांतर्गत अधिकारी/कर्मचारी यांना अनुपालनास्तव.
Office Order

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Fig 8.1 Office order Induction /orientation program Year 2018-2019



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

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जा. क्र. शानिमतीनिला/आस्था/२०१०/
दिनांक 3 Aug 2019 125

कार्यालयीन आवेदन

विषय:- प्रथम सत्र/ प्रथम वर्ष प्रवेशित विद्यार्थिनीसाठी संस्थानगवर Induction Program चे आयोजन करण्याबाबत.

संदर्भ:- मा. संचालक, महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, मुंबई याचे पत्र क्र.मरातशिंम/का.५०/२०१०/५४६०.

टि.९६-०९-२०९०.

उपरोक्त संदर्भिय पत्रान्वये अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांच्या Approval Process Handbook 2019-20 Induction Program मध्ये प्रथम सत्र/प्रथम वर्ष प्रवेश घेणाऱ्या विद्यार्थ्यांना Induction Programme यांने आवश्यक असल्याचे नमूद केले आहे. तंत्रनिकेतन मध्ये प्रवेश घेणारे विद्यार्थी ग्राहीण व शहरी भाग तसेच देशबंदगळ्या माध्यमातून दाहाडी उन्नीण झालेले असतात. अशा विषिध विद्यार्थ्यांना एकमेकाशी संचाद साधून त्यांच्यातील संवेद दृढ करण्यांची संधी देणे, विद्यार्थी व अध्यापक यांच्यातील संचाद अधिक परिणामकारक करण्यांची संधी देणे, नवीन शैक्षणिक यातावरणाशी जुळवून घेणे, तसेच तंत्रनिकेतनामध्ये अधिक रुची व आवड निर्माण करण्यांच्या दृष्टीने Induction Programme चे आयोजन करण्याचे निश्चयीत करण्यात आले आहे. त्यानुंयाने संस्था स्वतंत्रगवर तालीका क्र. १ मध्ये दिल्लीप्रमाणे Induction Programme चे आयोजन करण्यात आले आहे. संस्थेचे प्राचार्य, विभागप्रमुख व वरिष्ठ अधिव्याख्याता यांना नेमून दिलेल्या विद्यार्थ्यांना मोऱ्या भाषेत उक्त व्याख्यानाचे नियोजन (PPT इ. च्या माध्यमाक्तर) आणि सार्वीकरण करून प्रथम वर्ष प्रवेशित विद्यार्थ्यांना मोऱ्या भाषेत विषिध उदाहरणे देवून संवेदीत विषय समजावून सांगणे आवश्यक राहील. प्रत्येक व्याख्यानाच्या अंतिम भागात १५ मिनीटे प्रश्नांतरासाठी राखून ठेवण्यात याचा. प्रथम वर्षाला शिकविणारे सर्व अधिव्याख्याता यांची उपस्थिती अनिवार्य राहील.

तालिका क्र.१

अ.क्र	अधिकाऱ्यांचे नाव	दिनांक	वेळ	विषय
१	डॉ. अ. म. आगरकर, प्राचार्य	०५/०८/२०१९	दुपारी ३.०० ते ६.००	Inauguration Scenario of Technical Education- AICTE, DTE, MSBTE, Type of institution, Resources available with the institution.
२	श्री.इ.श.आवले, अधि.अणुविद्युत तथा श्री. समन्वयक	०६/०८/२०१९	दुपारी ३.०० ते ४.३०	Various engineering branches available with the institution- interlinking & significance of every branch with each other.
३	डॉ.सिं.डि.यादी, अधि.अणुविद्युत तथा कुलभूती		दुपारी ४.३० ते ६.००	Specific attention related to personality development- human values, creativity, gender equity, communication skills, importance of cleanliness, health, hygiene & safety, importance of plantation, meditation & yoga.
४	श्री.अ.शा.लातूरकर, विभागप्रमुख अणुविद्युत	०५/०८/२०१९	दुपारी ३.०० ते ४.३०	Significance of outcome based education (OBE)- programme outcome (POs), course outcomes (Cos), programme specific outcome (PSOs), micro projects, industrial training and concept of assessment & attainment.
५	श्री. शा.व्य.व्याधाण, अधि. संगणक		दुपारी ४.३० ते ६.००	Effective use of computer facilities & IT resources-use of NPTEL/ SWAYAM/ MOOCs/ spoken Tutorial, effective use of social media.
६	श्री.अ.गो.वाडाडे, अधि. अणुविद्युत तथा प्रशिक्षण व आस्थापना अधिकारी	०८/०८/२०१९	दुपारी ३.०० ते ६.००	Career opportunities in related industries after completion of diploma education.
७.	श्रीमती.अ.ना.यादव, अधि.डीडीजीएम तथा प्र.वि.प्र.डीडीजीएम	०९/०८/२०१९	दुपारी ३.०० ते ६.००	Interaction with alumni for sharing of their success stories. या कार्यक्रमाचे आयोजन / संचलन

सदर कार्यक्रम संस्थेच्या राजपैणी शाहू महाराज सभागृहात घेण्यात येत अमूल कार्यक्रमाच्या यशस्वीतेसाठी “नियमन व व्यवस्थापन समिती” चे तालिका क्र.२ नुसार गठन करण्यात येत आहे.

तालिका क्र. २

अ.क्र.	अधिकारी / कर्मचारी यांचे नांव व पदनाम	समितीतील कामे
१.	श्री. आ. रा. हसोरीकर, अधि.इंग्रजी	संपूर्ण कार्यक्रमाचे व्यवस्थापन
२.	श्री. र. वि. कोताळकर, अधि. भौतिकशास्त्र	दि. ०५/०८/२०१९, ते ०७/०८/२०१९, येच मंच संचलन व अहवाल लिहाणे
३.	कु. नि. भ. खडके, अधि.रसायनशास्त्र	दि. ०८/०८/२०१९, ते ०९/०८/२०१९, येच मंच संचलन व अहवाल लिहाणे
४.	श्री. र.पा.डोईफोडे, प्र.शा.स. तथा जिमखाना संचिव	सभागृहाचे व्यवस्थापन
५.	श्री. कि. मि. खराडे, तां. प्र. शा. स.	LCD Projector, Computer इ.चे व्यवस्थापन
६.	श्री. वा. द. सुरवसे, निदेशक वीजतंत्री	सभागृहातील विष्टुत व्यवस्थापन
७.	श्री. झा. दि. सुवर्णकार, हमाल	
८.	श्री. द. वि. गायकवाड, सफाईगार	
९.	श्री. व्य. दि. घोडके, सफाईगार	
१०	श्री. तु. ना. दळवे, सफाईगार	
११	श्री. रा. स. कांवळे, सफाईगार	सफाईविधक कामे आणि इतर अनुपर्याक कामे

सदर कार्यक्रम सुरक्षित पार पाडियांताठी “शिस्तपालन समिती” चे गठन करण्यात येत अमूल या समितीमध्ये खालील अधिकारी / कर्मचारी यांचे आदेश निर्गमीत करण्यात येत आहे.

१. डॉ. सि.दि.यार्दी, अधि. अणुविष्टुत तथा कुलमंत्री
२. श्रीमती. आर. व्ही. कोताळकर, अधि. भौतिक
३. कु. नि. भ. खडके, अधि. रसायनशास्त्र
४. श्रीमती. शि. श्री. कागणे, निदेशक तां. प्र. शा. स.

शिस्तपालन समिती आणि तालिका क्र.२ मधील अधिकारी / कर्मचारी यांची सभागृहातील उपस्थिती दि.०५-०८-२०१९, ते ०९-०८-२०१९, या कालावधीत दृपारी ३.०० ते ६.०० या वेळेत अनिवार्य राहील.

(डॉ.अ.म.आगरकर)

प्राधार्य,
शासकीय नि.म.तंजनिकेतन, लातूर

प्रत:- आदेशातार्गत अधिकारी / कर्मचारी यांना माहिती व अनुपालनास्तव.

Fig 8.2 Office order Induction /orientation program Year 2019-2020



संस्थास्तरावरील विद्यार्थीनीसाठीची समुपदेशन संबोधना [२०१८-२०१९]
शासकीय निवासी महिला तंत्रनिकेतन लातूरव्या सर्व विद्यार्थीनीसाठी

अ. क्र.	कालावधी	समुपदेशनाचा विषय	क्रियाकलाप (ऐविटिहॉट)	एकूण दिवस	विषयासाठी तज्ज्ञ व्याख्यात्यांचे नाव	कांठेकडीन ट्रैवण्यामात्राची घटिली	सत्र प्रमुख (समिती)	पि
१.	५ जुलै	वेळेपैकी सुन्दरवस्थापन	मराठीन आणि शिरीषित वेळेत क्रम पूर्ण करण्यासाठी कवाही बळाप्रकार	२ तास	व्यवस्थापन क्षेत्रातील व्यावसायिक	वेळेपैकी महत्व पटविणे	र. डि. कोताळकर आणि अजिता पाटील	
२.	२६ जुलै	तांत्रिक विद्यार त्वाजिकत यिकिंग	प्रशस्तीजुग, कोठी व परिस्थिती कथान कवन विप्रालेले प्रश्न	२ तास	विवड्ह ट्रैनर्स (GRWPL)	आव्या मैदूला उद्दीपित करणे	म. ग. मुलगी	
३.	९ ऑगस्ट	आहार व स्वास्थ्य	PPT मास्टीकरण	२ तास	वैद्यकीय होमातील व्यावसायिक	सादिक आहाराचे महत्व पटविणे	अ. न. यादव	
४.	२३ ऑगस्ट	सखोल इयान	तज्ज्ञापैकी मार्गदर्शन	२ तास	इच्छाकुमारी आश्रम/मन.शक्ती कैद	अंतर्भूत स्थिर करणे	डॉ. अ. म. आगारकर	
५.	६ सप्टेंबर	प्राणाचाम आणि योग	योग शिक्षक	३ तास	योग शिक्षक	श्वासावरूप नियंत्रण ताण-तणाव कमी करण्यासाठी	प्रियेतिता खडके	
६.	२०-२६ सप्टेंबर	स्व-संरक्षण (कराटे)	प्रशिक्षण	०७	अशिक्षी टाक	महिलांचे सबलीकरण	डॉ. सो. डि. यादी	
७.	४ ऑक्टोबर	आजीची राष्ट्रभक्ती	व्याख्यान	२ तास	समाजसुधारक NGO	राष्ट्रभक्तीतून प्रेरणा द उत्साह	सो. अ. हरताळकर	

शा. नि. म. तं., लातूर.

Fig 8.3 Counselling committee in Year 2018-2029



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT.RESLWOMEN'S POLYTECHNIC,
BARSJI ROAD, LATUR- 413 531
Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175
E-mail : grwp_ltr@rediffmail.com



जा.क.शानिमते/लिफ्टस्लॉ/ २०१८/ १०३७

दिनांक 29 JUN 2018

कार्यालयीन आदेश

शैक्षणिक वर्ष २०१८-१९ मध्यील पालक मेळावा दि. ३०.०६.२०१८ रोजी आयोजित केलेला आहे. पालक मेळावा यशस्वीतेसाठी खालील प्रमाणे समिती गठीत करण्यात येत आहे. संबंधीताने समिती प्रमुखांच्या मार्गदर्शनाखाली काम करावे व कार्यक्रम यशस्वी होण्याच्या दृष्टीने व्यवस्था करावी. सर्व समिती प्रमुखांनी कामाचे योग्य नियोजन करावे.

अ.क्र.	समितीचे नाव	अधिकारी व कर्मचारी
०१	मुख्य समन्वयक	डॉ.अ.म.आगरकर, प्राचार्य
०२	समन्वयक	०१. डॉ.सौ.दि.यादी, कुलमंत्री ०२. श्रीमती ज्यो.र.हांगे, विभाग प्रमुख संगणक ०३. श्री.हे.शा.कुलकर्णी, विभाग प्रमुख स्थापत्य, कर्मशाळा अधिकारक ०४. श्री.इ.र.आवळे, विभाग प्रमुख अपूर्विधूत ०५. श्रीमती अ.न.यादव विभाग प्रमुख डिझीजीएम ०६. श्री.हासोरीकर, जिमखाना प्रमुख
०३	स्वागत समिती व पालक नोंदवणी	सर्व गृहपाल श्री.व्यवहार, सहा.ग्रंथपाल
०४	सभागृह व्यवस्थापन व सुत्र संचलन	०१. डॉ.सौ.दि.यादी, कुलमंत्री ०२. श्री.हासोरीकर, जिमखाना प्रमुख ०३. श्री.अ.द.कांवळे, तां.प्र.शा.स
०५	चहापान व्यवस्था	श्री.वा.द.सुरवसे, विजंती श्रीमती.शा.श्री.कांगणे ता.प्र.शा.स. श्री.वा.सु.वडकिळे, हमाल
०६	परिचर/ साफसफाई/	श्री.द.गायकवाड श्री.मलगे श्री.शोडके श्री.कांवळे श्री.केशव देशमुख
०७	अहवाल समिती	श्रीमती रे.वि.महानांवकर, उपकुलमंत्री श्रीमती नि.खडके अधि.रसायनशास्त्र

प्राचार्य,
शासकीय निवासी महिला तंत्रनिकेतन,
लातूर

प्रत :-

Fig 8.4 Parents Meet in year 2018-2019



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT.RESI.WOMEN'S POLYTECHNIC,
BARSHI ROAD, LATUR- 413 531
Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175
E-mail : grwpl_ltr@rediffmail.com, 0136principal@msb, 0136office@msbte.com



जा. क्र./ शानिमतला/ वसतिगृह/ २०२०/ ६३

दि. २७/१/२०२०

प्रति,

श्रीमती प्राजक्ता भोसले
योग्य शिक्षिका, लातूर.

विषय: समुपदेशन सत्रमालिकेतील "पाऊल जपून टाक" या नाटिकेच्या माईयमातून मार्गदर्शन करण्यासाठी आमंत्रण.

महोदय,

शासकीय निवासी महिला तंत्रनिकेतन हि संस्था १९९४ साली सुरु झाली. परंपरागत स्थापत्य, अणुविद्युत, संगणक अऱ्यासक्रमांबरोबरच वैद्यकीय अणुविद्युत व ड्रेस डेङ्गीनिंग आणि परिधान उत्पादन असे नाविन्यपूर्ण व काळाच्या गरजेनुसार आवश्यक अऱ्यासक्रम या संस्थेत आहेत. संस्थेमध्ये सुमारे ८५० विद्यार्थिनी शिक्षण घेतात. या अनुबंधाने घेण्यात येणाऱ्या समुपदेशन सत्रमालिकेअंतर्गत आपल्याला या सत्रासाठी विशेष व्याख्याते/ सदारकर्ते म्हणून आमंत्रित करताना अतिशय आनंद होत आहे.

या संदर्भात मी आपणास "पाऊल जपून टाक" या विषयावर दि. २८/१/२०२० रोजी नाटिकेच्या माईयमातून मार्गदर्शन करण्यासाठी आमंत्रित करीत आहे. आपण या आमंत्रणाचा स्वीकार कराल अशी आशा आहे. आपल्या जानाचा व अनुभवाचा या विद्यार्थिनीवर निश्चितय सकारात्मक प्रभाव पडेल असे वाटते.

आपण निश्चितपणे या आमंत्रणाचा स्वीकार कराल व कार्यक्रमाची शोझा वाढवाल अशी अपेक्षा.

आपला विश्वासू,

शासकीय निवासी महिला तंत्रनिकेतन,
लातूर

Fig 8.5 Circular regarding Counselling session “Paul Japun Tak”

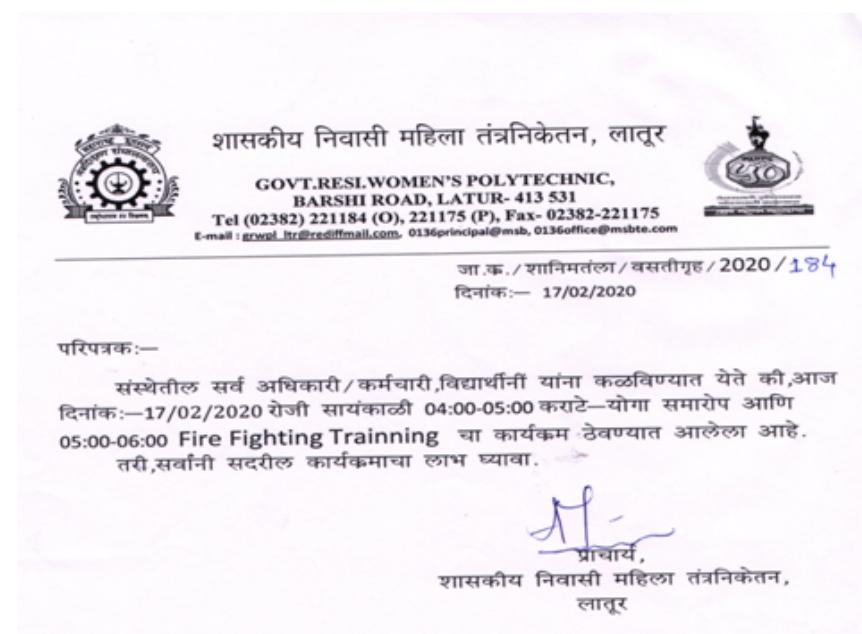


Fig 8.6 Circular regarding Fire Fighting Training 2019-2020



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT.RESI.WOMEN'S POLYTECHNIC,
BARSHI ROAD, LATUR 413 531
Tel (02382) 221184 (O), 221178 (P), Fax 02382-221175
E-mail - grwpl_tr@rediffmail.com



जा. ब्र. शमनितला/ वस्तिगृह/ २०१८/ १२८०

दि. ०७/०८/२०१८

10 AUG 2018

परिपत्रक:-
संस्थेतील वस्तिगृहांमध्ये राहणाऱ्या विद्यार्थ्यांनी सूचित करण्यात येते, कि, दि.
२०.८.२०१८ रोजी सायं, ५.० वा.

“ वस्तिगृहातील सुवर्णता ”

हि स्पर्धा घेण्यात येणार आहे. वस्तिगृहातील सर्व खोल्या यादिवशी तपासण्यात येतील.

स्पर्धेसाठी खालीलप्रमाणे श्रेणी असणार आहे:

१. उत्कृष्ट खोली
२. उत्कृष्ट विंग
३. उत्कृष्ट वस्तिगृह
४. सभोवतालया उत्कृष्ट परिसर

तरी सर्व विद्यार्थ्यांनी या सूचनेची नोंद घ्यावी व त्याप्रमाणे लयारी सुरु करावी. २०/०८/२०१८ रोजी सर्व खोल्या उपलब्ध असणे आवश्यक आहे.

प्राचार्य,

डॉ. अ. म. अंगरकर
शासकीय निवासी महिला तंत्रनिकेतन,
लातूर.

प्रत:- सर्व गृहपाल व वस्तिगृहातील विद्यार्थ्यांनीसाठी

Fig 8.7 Circular regarding Clean Hostel Competition 2018-2019



शासकीय निवासी महिला तंत्रनिकेतन, लातूर
GOVT.RESI.WOMEN'S POLYTECHNIC,
BARSHI ROAD, LATUR- 413 531
Tel (02382) 221184 (O), 221175 (P), Fax 02382-221175
E-mail : grwpl_ltr@rediffmail.com, 0136principal@msb, 0136office@msbte.com

जा. क्र./ शानिमतंला/ वसतिगृह/ २०१८/ १८७२

दि. १३/१२/२०१९

कार्यालयीन आदेश:-

संदर्भ: संस्थेच्या वसतिगृहातील विद्यार्थीनीसाठी आयोजित करते प्रशिक्षण

उपरोक्त संदर्भान्वये संस्थेतील खालील अधिकारी/ कर्मचारी यांची इथे दिलेल्या
तक्त्यानुसार, संस्थेतील वसतिगृहामध्ये राहणाऱ्या विद्यार्थीनीसाठी आयोजित कराटे
शिविरांतर्गत प्रशिक्षण योग्य पद्धतीने पार पडत आहे अशी खात्री करण्यासाठी आदेश
काढण्यात येत आहेत. सदरील प्रशिक्षण दि. १३/१२/१९ ते २२/१२/१९ दरम्यान सकाळी
६.२० ते ८.४० असणार आहे. इंटरनॅशनल जपान अससोसिएशनचे श्री. दत्ता कदम या
प्रशिक्षणाचे मुळय समन्वयक असतील. कुलमंत्री डॉ. सी. दि. यार्दी या प्रशिक्षणाच्या
समन्वयक असतील.

अ. क्र.	अधिकारी/ कर्मचारी यांचे नाव	दिवस	वेळ
१.	श्रीमती घोडे ए. पी., गृहपाल	१६/१२/१९	सकाळी ६.२० ते ८.४०
२.	श्रीमती कागणे एस., एस., वसतिगृह लिपिक	१७/१२/१९	
३.	श्रीमती निवेदिता खडके, गृहपाल	१८/१२/१९	
४.	श्री. धुलगुंडे सी. के., सुरक्षा अधिकारी	१९/१२/१९	
५.	श्री. काकडे, सुरक्षा अधिकारी	२०/१२/१९	
६.	श्रीमती अजिता पाटील, गृहपाल	२१/१२/१९	
७.	श्री. गुंडे एस. एस., तांप्र. स.	२२/१२/१९	

सर्व अधिकारी/ कर्मचाऱ्यांनी त्यांच्या नियोजित दिवशी वेळेच्या आधी उपस्थित राहून प्रशिक्षण
उत्तम रीतीने पार पडेल याची खात्री करावी.

प्राचार्य,

शासकीय निवासी महिला तंत्रनिकेतन,
लातूर

Fig 8.8 Office order regarding Karate Training 2019-2020



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT.RESI.WOMEN'S POLYTECHNIC,
BARSHI ROAD, LATUR- 413 531
Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175
E-mail : grwpl_ltr@rediffmail.com, 0136principal@msb, 0136office@msbte.com



जा. क्र./ शानिमतला/ वस्तिगृह/ २०२०/ ३३०

टि. ०८०२/२०२०

प्रति,

केंद्र प्रमुख,

योग शिक्षक पदविका अऱ्यास केंद्र.

विद्यापीठ नाशिक

विषय: समुपदेशन सत्रमालिकेतील "योग" या विषयावर मार्गदर्शन करण्यासाठी आमंत्रण.

महोदय,

शासकीय निवासी महिला तंत्रनिकेतन हि संस्था १९९४ साली सुरु झाली. परंपरागत स्थापत्य, अणुविद्युत, संगणक अऱ्यासक्रमांबरोबरच वैद्यकीय अणुविद्युत व इंस डेझीनिंग आणि परिधान उत्पादन असे नाविन्यपूर्ण व काळाच्या गरजेनुसार आवश्यक अऱ्यासक्रम या संस्थेत आहेत. संस्थेमध्ये सुमारे ८५० विद्यार्थिनी शिक्षण घेतात. या अनुषंगाने घेण्यात येणाऱ्या समुपदेशन सत्रमालिकेअंतर्गत खालील प्रमाणे आपल्या संस्थेतील प्रशिक्षकांना आमंत्रित करताना अतिशय आनंद होत आहे.

१. श्रीमती माननीकर वैशाली

२. श्रीमती सुनिता कदम

३. श्रीमती देशपांडे भागवी

४. श्रीमती आसमा रईस सच्यद

५. श्रीमती क्षीरसागर समृद्धी

या संदर्भात मी आपणास "योग" या विषयावर टि. ०८०२/२०२० ते १३/०२/२०२० दरम्यान स.

६.३० ते ८.० वा मार्गदर्शनपर प्रशिक्षण देण्यासाठी आमंत्रित करीत आहे. आपण या आमंत्रणाचा स्वीकार कराल अशी आशा आहे. आपल्या जानाचा व अनुभवाचा या विद्यार्थिनीवर निश्चितच सकारात्मक प्रभाव पडेल असे वाटते.

आपण निश्चितपणे या आमंत्रणाचा स्वीकार कराल व कार्यक्रमाची शोभा वाढवाल अशी अपेक्षा.

आपला विश्वासू,

शासकीय निवासी महिला तंत्रनिकेतन,
लातूर

Fig 8.9 Office Circular Regarding Yoga Training 2019-2020



Fig 8.10 Induction /orientation program Year 2017-2018 and
Parents meet in Year 2018-2019





Fig 8.11 Yoga Training Year 2018-2019 and Year 2019-2020



Fig. 8.12 Expert Lecture in year 2019-2020





Fig 8.13 Karate Training Year 2019-2020



Fig. 8.14 Dr. Anuja Kulkarni guided students and Enthusiastic participation (<https://www.google.com/search?q=Enthusiastic+participation&spell=1&sa=X&ved=2ahUKEwiJn-2QveXqAhUXwzgGHSx5C2cQkeECKAB6BAgLECY>) of students during Health Camp in year 2019-2020





Fig. 8.15 Cultural activity in year 2019-2020

8.2 Feedback analysis and reward/ corrective measures taken, if any (10)

Total Marks 10.00

Feedback collected for all courses: YES/NO; Specify the feedback collection process; Average Percentage of students who participate; Specify the feedback analysis process; Basis of reward/ corrective measures, if any; Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers; Number of corrective actions taken.

A. Methodology being followed for feedback collection, analysis and its effectiveness (5)

Institute Marks

5.00

8.2 Feedback analysis and reward/corrective measures taken if any (10)

A. Methodology being followed for feedback collection, analysis and its effectiveness (5)

- I. Main purpose of teaching feedback process is to strengthen the teaching learning process by helping the faculty to identify the strengths and weaknesses of content delivery while teaching. Hence, feedback form includes feedback criteria such as presentation skills in the class, curriculum coverage regularity, interaction with students in the class while teaching and quality of the micro projects (wherever applicable) etc. Specimen copy of the feedback form is enclosed.
- II. Another important purpose is to help teachers to make process of evaluation of students' academic performance more transparent and accurate. Hence, feedback form also includes feedback criterion such as evaluation of tests, as seen in the enclosed feedback form.
- III. For better understanding of the technical topic, it is necessary to monitor the process of content delivery to the level of satisfaction of students. Hence, feedback criterion such as "use of additional learning materials such as ppts or video lectures" is also included in the feedback form.
- IV. Faculty feedback by students is an effective tool for an evaluation of the teaching performance of the teacher to make teaching learning process more effective and efficient. Feedback from the students is also necessary for counselling of the teacher, if any, resulting in faculty development. Hence, regular feedback is taken by the Principal through students meeting (students' council meeting).
- V. Head of the department also conducts surprise meetings of the students in the class intermittently in the absence of teachers to collect feedback of the teachers. Concerned teacher is immediately called and necessary correcting inputs are suggested, if demanded by the students.
- VI. An internal feedback committee is formed and chairperson of the committee is the Head of Department. Head of the department with internal feedback committee take written feedback at the departmental level for each semester.
- VII. The committee analyzes the feedback. The strengths and weaknesses are communicated to the staff. The remedial action is taken to defeat the issue and to improve the performance.

Specimen copies of the feedback forms are enclosed herewith.

Department Of Electronics Academic Year 2018-19									
Class: I ET			Sem : Even Sem			Faculty Feedback From Students			Date: 25/03/2019
Sr. No	Academic Parameter	Sub Name	AMT	Electrical Engg	Electr. Engg Materials	C Language	Business Commn.	Basic Ex.	Microproject All Subjects
	Name Give Wtg Out Of 10	Faculty Name	Mr Dhalgundre	Mr Kakde	Mr. Shevale	Mrs.Dr.S.D. Yardi & Miss. Salunke	Mr. Hasorikar	Mr. LS.Awale	All Sub Teacher
1	Achievement Of Course Objectives & Outcomes		10	9	8	10	7	8	RME -10
2	Gain of Subject Knowledge Theory		10	10	9	10	7	7	EET -09
3	Gain Of Practical Knowledge Pract		10	10	09	10	8	7	EPM -09
4	Lecture & Discussion on Subject		10	9	8	9	7	9	CPD = 10
5	Presentation Skill in Class		9	8	9	8	8	9	BCC = 07
6	Curriculum Coverage Regularity		10	9	8	10	9	7	BCR = 09
7	Evaluation Of Tests		9	8	10	9	8	8	
8	Interaction With Students		10	10	9	10	7	8	
9	Completion Of Course		9	8	7	8	9	7	
10	Learning Material used PPT, Video Lect.		10	9	9	8	8	8	
	Total Points		97	89	86	92	78	78	

Roll No: 63 Vaishnavi Balaji
Signature
Name: Vaishnavi Balaji
Yamdale

Fig 8.1 Specimen copy of course feedback filled in by the student

GOVERNMENT RESIDENTIAL WOMEN'S POLYTECHNIC,LATUR Academic Year 2018-19(Even Semester)										
Subject :-LIC(22423) Class:- ET4I Faculty:- Mr.A.S. Laturkar No of feedback:- 36										
Sr. No.	1.Course objectives and outcomes clearly specified at the commencement of the class	2.Subject Knowledge (Theory)	3.Practical Knowledge of the subject and execution in laboratory.	4.Lecture and discussion focused on the subject	5.Presentation skills in class(use of teaching aids,Blackboard and organization)	6.Syllabus Coverage (Regularity and Punctuality)	7.Evaluation of Tests (Fair and impartial)	8.Interaction with students (Difficulties , Motivation to learn)	9.Completion/Coverage of course	10.Learning material (used,developed and circulated)
1	10	10	10	10	9	10	10	9	9	8
2	10	10	10	10	9	10	10	10	10	10
3	10	9	10	10	9	10	10	10	10	9
4	10	10	10	10	10	9	10	10	9	10
5	10	9	10	9	10	9	9	10	10	8
6	10	9	8	9	9	10	10	9	10	8
7	10	10	10	9	10	10	10	9	10	9
8	10	10	9	9	10	10	10	10	10	8
9	10	10	10	10	10	10	10	10	10	9
10	10	10	10	9	10	9	10	9	10	9
11	10	10	9	10	9	9	10	10	9	9
12	10	10	10	10	10	10	10	10	10	10
13	10	10	10	10	10	9	9	10	10	9
14	10	10	10	9	9	10	9	9	10	9
15	10	10	10	9	9	10	9	9	10	9
16	9	9	9	8	9	7	8	9	8	8
17	10	10	10	9	9	10	10	10	10	10
18	10	0	10	9	9	9	8	9	9	8
19	10	10	10	10	10	10	10	10	10	9
20	10	10	10	10	9	10	9	10	10	8
21	10	10	10	10	10	9	8	10	10	9
22	10	10	10	10	10	10	10	10	10	10
23	9	10	10	10	10	10	10	10	10	10
24	9	9	9	9	9	9	9	9	8	7
25	10	10	10	10	10	9	10	10	10	9
26	10	10	10	10	10	9	9	10	10	9
27	9	8	9	9	9	9	9	8	8	8
28	9	8	9	9	9	9	9	8	8	8
29	9	8	9	8	8	9	8	9	9	8
30	9	9	9	8	9	7	8	9	8	8
31	10	10	9	10	10	9	10	10	9	8
32	10	10	10	10	10	10	10	10	10	10
33	10	10	10	10	10	10	10	10	10	10
34	9	10	8	9	10	9	9	10	9	8
35	9	9	9	9	9	9	9	9	9	5
36	10	10	10	10	10	10	10	10	10	10
Total out of 360	351	337	346	340	342	338	339	344	342	314
out of 100	97.5	93.61	96.11	94.44	95.00	93.89	94.17	95.56	95.00	87.22
Average						94.25				

Fig 8.2 Specimen table : course feedback analysis

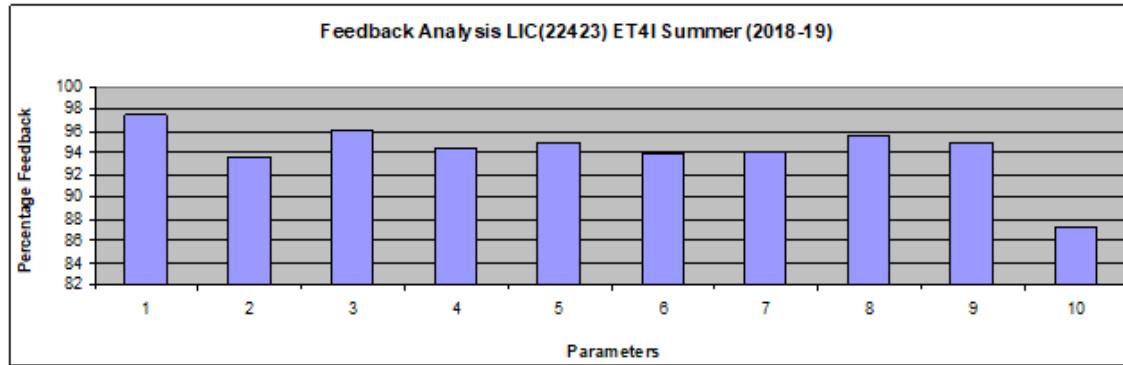


Fig 8.3 Specimen Course feedback Chart

B. Record of corrective measures taken (5)

Institute Marks

5.00

B. Record of corrective measures taken(05)**1) Feedback collected for all courses:**

Yes. Feedback is collected for all the courses to make teaching learning process full Proof and as flawless as possible. Academic feedback by the students is necessary for head of the departments also.

2) Feedback collection Process:

- a. Internal academic monitoring committee is assigned the work of collection of feedback. This important process is monitored by academic coordinator and Principal of the institute.
- b. Committee members of internal academic monitoring committee are faculty members of the institute but they are not from the same department. Chairperson of the committee is also a senior staff member from other department (HOD or Incharge HOD or selection grade lecturer). This is done to ensure the feedback collection procedure more effective, transparent and most importantly, unbiased.
- c. Feedback is also taken by the external monitoring committee. The external monitoring committee is appointed by Secretary, Maharashtra State Board of Technical Education (MSBTE), Mumbai or by Deputy Secretary, Regional Board of Technical Education (RBTE), Aurangabad.
- d. Electronics and Communication department has collected both the feedbacks, i.e. course feedback and department feedback for academic years 2016 -17, 2017- 18, 2018-19, and 2019-20.
- e. Course feedback criteria points are designed as per guidelines of Maharashtra State Board of Technical Education, Mumbai, (<https://msbte.org.in/>) for Academic year 2016-17, 2017-18, 2018-19.

- f. For academic Year 2019-20, course feedback criteria points are designed taking into consideration AICTE guidelines and guidelines issued by Maharashtra State Board of Technical Education, Mumbai, guidelines, for 360⁰ feedback.
- g. Overall departmental feedback regarding laboratory facilities and other academic facilities is also taken from summer 2019. This is to ensure the involvement of the faculty members in making the list of new equipments for the purchase office (store officer), updation / write off and or calibration of the laboratory equipments by the concerned laboratory staff or laboratory incharge, ambience of the laboratory, laboratory utilization for projects etc.

3) Average percentage of the students who participate:

Students participated in feedback process are minimum 50% and maximum 100% regular students of class. These students are regular students on roll of that class.

4) Feedback analysis process:

Analysis of the feedback is carried out by the internal committee. Faculty performance is also measured on the basis of students' feedback in each semester. The strengths and weaknesses of each faculty is analysed and communicated to the respective faculty member for making improvements, if any.

5) Basis of Reward/corrective Measures, if any

The feedback is communicated to the every staff members by the chairperson of the committee or by the Principal. It is expected that the staff members rectify the weaknesses once they receive suggestions through HOD or principal and improve their performance in the teaching learning process, if needed. The faculties are deputed for content updating programmes for enhancing teaching learning process. The feedback is also useful to the HOD and the Principal for training need analysis (TNA) of the department. Institute academic results of technical board examinations are much better as compared to other polytechnic institutes in the region. Needless to mention, in the academic year 2017-18, institute had felicitated more than 20 staff members of the institute, including visiting faculty members, for 100 percent result in the theory subjects they taught. As the reporting officer, HOD takes a due note of the best academic results in the annual confidential reports (ACRs) of the concerned staff members. Institute is fortunate to have one best regular teaching faculty of mathematics in the science department. He is working in the institute since 2011. In winter 2014 board examinations, result of 54 students (out of 260 students from 4 branches) in mathematics of third semester, taught by this faculty and one visiting faculty, was 100 out of 100. It is needless to mention, due to the special teaching techniques in mathematics, **the final examination result of mathematics is the highest in the state of Maharashtra amongst Government polytechnics, for academic year 2019-20.** This achievement is very well appreciated by Directorate of Technical Education (DTE) recently in the meeting of all the Principals of Government Polytechnics of Maharashtra and Joint Directors on 30th January, 2020. Due to consistently high to very high academic performance and as a part of reward, Principal of the institute recommended five to six times, very strongly, not to transfer this faculty from this institute. Hence, since last 09 years, this faculty is retained by DTE at this institute. Otherwise, the lecturer of the government polytechnic, who is also a class I gazetted officer (Group A) is bound to face frequent transfers in every 3 to 5 years. Fortunately, institute has a number of such staff members working very sincerely for uplifting the academic standards of the students coming from rural area. Many of them are strongly recommended by the Principal for their retention. Incidentally, as the institute is a residential institute with 100 percent residential facilities, students of the institute cannot join any outside private tuition classes due to various restrictions on the timings / gate pass.

Specimen copy of Appreciation letter (Reward)is enclosed herewith.



Fig 8.4 Specimencopy of Appreciation letter (Reward)

6) Indices used for measuring quality of teaching learning and summary of the index values for all the courses/teachers.

The feedback format provided by the MSBTEand internal/ external academic monitoring norms mention the parameters such as course objectives and outcomes clearly specified at the commencement of the class, subject knowledge (theory), practical knowledge of the subject and execution in laboratory, lecture and discussion focused on the subject, presentation skills in class(use of teaching aids, blackboard organization), syllabus coverage (regularity and punctuality), evaluation of tests (fair and impartial), interaction with students (difficulties, motivation to learn), completion/coverage of course, learning material (used, developed and circulated).

**Department of Electronics and Communication
Academic Year 2019-20(ODD Semester)
Semester- ETII**

Course
Date of feedback -

Mention Grade as per Five Point Scale :- Very Poor (1), Poor (2), Good (3), Very Good (4), Excellent(5)

Sr. No.	Academic Parameter	YES	NO	Grade
1	Whether Academic calendar of MSBTE is Displayed before beginning of term			
2	Whether Progressive Class test are conducted as per MSBTE Calendar			
3	Whether test marks are displayed on notice board within 15 days from date of test by subject teacher.			
4	Was 100% curriculum covered during the last/current term			
5	Whether students deputed for Project Exhibitions			
6	Whether Project Exhibitions organized in Department			
7	Whether students deputed for Paper/Poster Presentations			
8	Whether Paper/Poster Presentations organized in Department?			
9	Whether students deputed for Quiz Competitions			
10	Whether Quiz Competitions organized in Department			
11	Whether all Laboratory equipment's and Machinery are kept in Working condition and utilized regularly			
12	are u being Progressivel / assessed for laboratory work on index sheet			
13	Do you know class test marks at the end of term			
14	whether industrial visits are arranged in Dept.			
15	whether Expert Lectures are arranged in Dept.			
16	Whether Technical Workshops are arranged in Dept.			
17	Whether students are deputed for Technical Workshops			
18	Internet and computer facility provided to the students			
19	Overall Gradation of Technical Education Provided in Dept.			

Name of Student and Signature

Fig 8.5 Specimen Course Feedback form

Course and Course code- Date -		Department of Electronics and Communication Academic Year 2019-20(ODD Semester) Semester- ETII Faculty Name -				
Sr. No.	Academic Parameter	Very Poor (1)	Poor (2)	Good (3)	Very Good (4)	Excellent (5)
1	Achievement of Course objectives and Outcomes					
2	Achievement of Practical Outcomes					
3	Has the Teacher Covered entire syllabus as prescribed by University/College/Board ?					
4	Has the Teacher Covered relevant topics beyond syllabus					
5	Presentation Skill in Class					
6	Effectiveness of Teacher in Terms of:					
	6a) Technical content/course content					
	6b) Communication Skills					
	6c) Use of Teaching aids					
7	Pace on which contents were covered					
8	Evaluation of Testes					
9	Motivation and inspiration for students to learn					
10	Support for the development of students skill					
	10a)Practical demonstration					
	10b)Hand : on training					
11	Clarity of expectations of Students					
12	Feedback Provided on students progress					
13	Willingness to offer help and advice to students					

Name of Student and Signature

Fig 8.6 Specimen Course Feedback form

7) Number of the corrective action taken:

The feedback receives from students is continuously monitored by the Principal of the institute / HOD. The strengths and weaknesses are recorded and communicated to the teaching staff immediately for correction/improvements, if any.

8.3 Feedback on facilities (5)	Total Marks 5.00
A. Student feedback on facilities, analysis and corrective action taken (5)	Institute Marks 5.00

8.3 Feedback on facilities(5)

A. Student feedback on the facilities, analysis and corrective actions taken (5)

I. Facilities considered for feedback:

1. Availability of books / Library facility.
2. Computer with Internet facility.
3. Drinking Water facility.
4. Co-operative Mess facility.
5. Hostel facility.
6. Sports including Gymkhana facilities.
7. Security and Safety at the Campus.
8. Co-operative Store facility.
9. Availability of equipments in the Laboratories.
10. Auditorium facility.
11. Campus Ambience and Campus Green Environment.

II. Feedback Methodologies:

- a. Student feedback is taken at the end of each semester by each Program.
- b. Feedback of students taken by both internal as well as external academic monitoring committee.
- c. Feedback is taken from first- and second-class representative in the meeting hosted by the Hon.Principal.
- d. Suggestion boxes are kept at every department.
- e. Feedback is collected at hostel.

f. Feedback Register is maintained at Co-operative Mess.

III. Analysis:

Analysis is done by Student's Grievance and Redressal Cell with the help of Senior faculty members or concerned faculty members and analysis of feedback facilities is submitted to Hon. Principal for further necessary action.

8.3 Analysis of feedback form:

Sr. No.	Facilities	Total Number of Feedback Received	Very Good	Good	Satisfactory	Poor
1	Availability of books / Library facility	477	216	226	25	10
2	Computer with internet facility	477	179	221	43	34
3	Drinking Water facility	477	239	194	34	10
4	Co-operative Mess facility	477	301	154	19	3
5	Hostel facility	477	218	216	36	7
6	Sports including Gymkhana facilities	477	167	236	47	27
7	Security and Safety at the Campus	477	389	79	7	2
8	Co-operative store facility	477	175	254	40	8
9	Availability of equipments in the Laboratories	477	143	257	52	25
10	Auditorium facility	477	230	212	26	9
11	Campus Ambience and Campus Green Environment	477	288	168	19	2
Total		477	232	202	32	13

Percentage (%)

100%

49

43

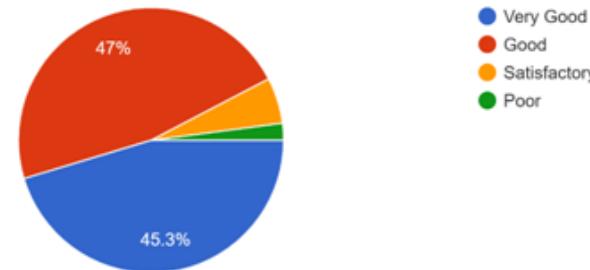
7

3

8.3 Chart for Analysis of Feedback

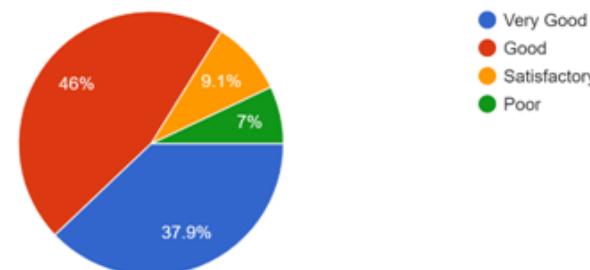
1.Availability of books / Library facility...

483 responses



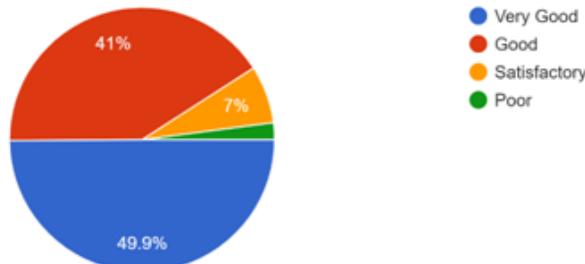
2.Computer with internet facility...

483 responses



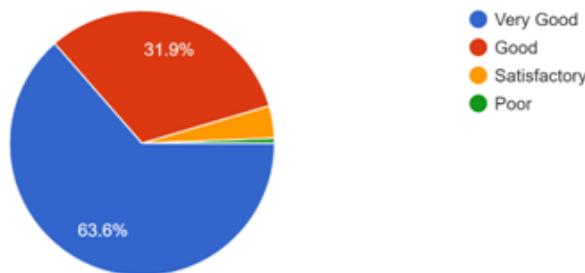
3.Drinking Water facility...

483 responses



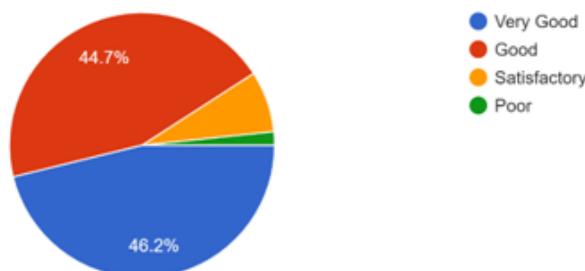
4.Co-operative Mess facility...

483 responses



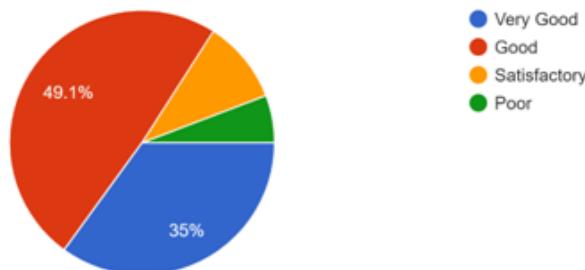
5.Hostel facility...

483 responses



6.Sports including Gymkhana facilities...

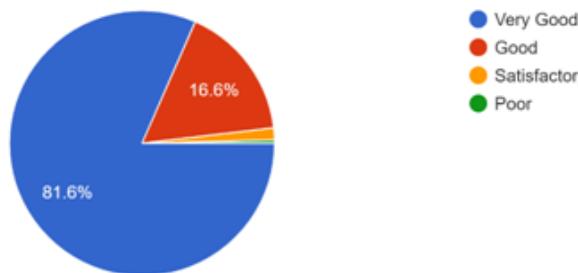
483 responses



- Very Good
- Good
- Satisfactory
- Poor

7.Security and Safety at the Campus...

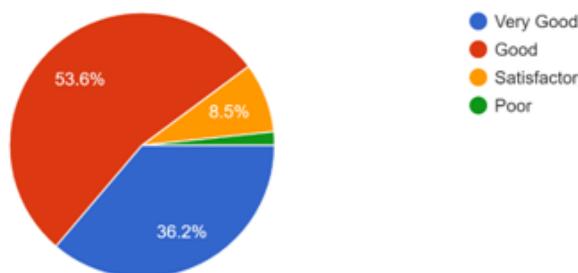
483 responses



- Very Good
- Good
- Satisfactory
- Poor

8.Co-operative store facility...

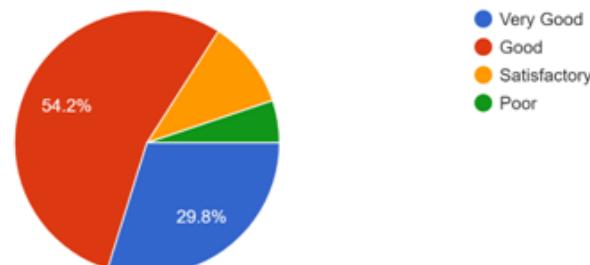
483 responses



- Very Good
- Good
- Satisfactory
- Poor

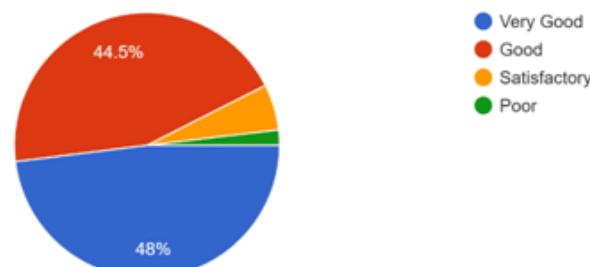
9.Availability of equipment's in the Laboratories...

483 responses



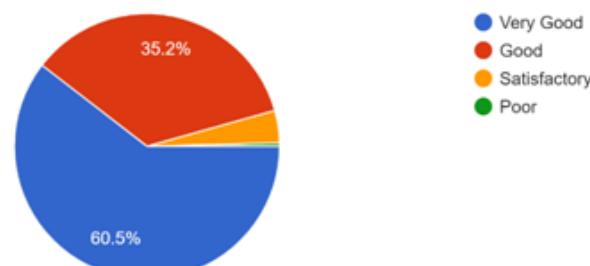
10.Auditorium facility...

483 responses



11.Campus Ambience and Campus Green Environment

483 responses



IV.Corrective Actions Taken:

1. New books are purchased (as per the availability of budget from the Government) as per the demand of departments and students.
2. Computer department has all computer labs with internet facility and further internet facility is enhanced with the installation of high-speed lease line.
3. Newly RO Water Filter Plant of 1000 Liter capacity is installed in the institute premises. Maintenance of water coolers is regularly done.
4. We provide excellent mess facility with very reasonable charges.
5. Yoga, Spiritual Training by Professional, along with these events self-defence programmes like karate are also arranged. Expert talks of the renowned personalities motivate the students for the all-round development of students.
6. Social gathering, Cultural activities, Sports activities are regularly arranged for overall personality developments.
7. Strict Security norms are at place with regular vigilance by rector and wardens.
8. Co-operative Store provides quality stationery material at reasonable cost.
9. New equipments are purchased to fulfill the curriculum requirements as per the availability of the budget from the Government.
10. Institute has well-furnished Auditorium as "Chhatrapati Rajarshi Sahu Maharaj" with capacity of 400 students.
11. During last three years near about 1000 trees are planted in order to keep the Campus Environment Green.
12. Fire extinguishers are regularly refilled.
13. Furniture repair is done on regular basis.
14. Electrical maintenance is carried out on regular basis.



RO-WATER FILTER PLANT



LIBRARY BUILDING



KARATE TRAINING CAMP



CO-OPERATIVE MESS

8.4 Career Guidance, Training, Placement (20)

Total Marks 20.00

Institute Marks

20.00

A. Availability (05)

A separate training and placement cell is available at the institute since the year of the establishment of the institute. A senior faculty is entrusted to shoulder the responsibilities of the training and placement activities, and supported by representatives from each department.

B. Management (10)

a) Objectives:

1. Create awareness among students regarding available career options and help them in identifying their career objectives.
2. Training activities for soft skills, interview techniques, personality development.

3 Interaction and MOUs with industries for Industrial visits, In-plant training and placement needs.

b) Activities

1. Expert/Guest Lectures from Industry for career guidance and exposure to the latest technology used by industry.
2. Faculty use to guide the students about career development.
3. Institute organizes various Training activities for soft skills, interview techniques, personality development etc.
4. Institute developed number of MOUs with industries for Industrial visits, In-plant training and placement needs.

C. Effectiveness (05)

Following table indicates various activities undertaken by each department for carrier guidance in last three years.

Career Guidance Data for academic year 2016-17

Sr.No.	Resource Person/ Industry	Name of Department	No. Of Beneficiary
1	Expert lecture on recent view on medical electronic by Pravin P. Ambekar.	MU	32
2	Expert lecture on Application of Matlab in biomedical Engg. by P.G. Kulkarni.	MU	34
3	Expert lecture on Apparel Production Techniques by Mssiddique.	MU	35
4	Expert lecture on personality by Pravin P. Ambekar	MU	32
5	Expert lecture on Apparel Production Techniques by Mssiddique.	DD	35
6	Expert lecture on Role of Fashion Merchandiser in apparel industry by Smt.Gunale G.G.	DD	33
7	Expert lecture on Quality control in Apparel Manufacturing by Smt B.S. Baga	DD	33
8	Expert lecture by Mrs.Swami Varsha VA3 IT Services Pvt.Ltd.Latur-41351	CO	65
9	Expert lecture by Sonali A Mustre on Synechis Aquilam Soiutions Pvt. Ltd. Pune	CO	63
10	Expert lecture by Abhijit A. More on CYIN Solutions Pvt.Ltd. Pune	CO	65
11	Expert lecture by Mr. Ganesh STEP-Software Technologies Excllence Program , Hederabad -500032	CO	66
12	Expert lecture on Embedded System and Applications' Mr. P.P. Ambekar	ET	60
13	Expert lecture on Image Processing' Dr. K.M. Bakwad, HOD Electronics Engg. Dept. P.L.G.P,Latur.	ET	60
14	Expert lecture on EDP workshop by Mr. S. Mundhe , R.O. Aurangabad.	ET	61
15	Expert lecture on Mobile Communication' by Mr.A.J.Shaikh Mr.J.J. Shaikh.	ET	60

16	Expert lecture on Forensic & Cyber Crime Trainer, Latur by Mrs. Wakadkar B.S. & Mr. Amar Shinde.,	CE	66
17	Expert lecture by Executive Engineers Office, PWD Latur Mr. Ashish Dwivedi, Accounts Officer.	CE	65

Career Guidance Data for academic year 2017-18

Sr.No.	Resource Person/ Industry	Name of Department	No. Of Beneficiary
1	Expert lecture on Nano -Technology by U.A. Masyak.	MU	38
2	Expert lecture on Application of Matlab in biomedical Engg. By S.J.Todkar.	MU	37
3	Expert lecture by P.S. Deshpande.	MU	35
4	Expert lecture on Quality control in Apparel Manufacturing (Mssiddique).	DD	40
5	Expert lecture on Computer aided Designing (Smt.Pallavi Swami)	DD	40
6	Expert lecture on Merchandisers role in retail Store (ku Desai)	DD	40
7	Expert lecture by Mrs.Swami Varsha VA3 IT Services Pvt.Ltd.Latur-41351	CO	63
8	Expert lecture by Mr. Abhijit More CYIN Pvt.Ltd. Pune.	CO	63
9	Expert lecture by Mr. Avinash Jadhav , Mr. Mangesh Gahirwar MINDLABZ S/W Solutions Pvt.Ltd. Latur	CO	63
10	Expert lecture by Mr. Ganesh STEP- Softwar Technologies Excellence Program , Hyderabad – 500032	CO	63
11	Expert lecture on Economics in Day To day Life by Dr.S.S. Kondekar Asst. Prof. at SRTMU, Extension Centre,Latur.	ET	63
12	STEP for final year Mr. B. Ganesh Director, Thought works Technology Pvt.Ltd, Pune	ET	63
13	Expert lecture on Energy Conservation Training Program by Mr.Kedar Khamitkar, MSECB,LATUR.	ET	63
14	Expert lecture by Mr. Govind Somwanshi, Director of CADD Centre, Latur	CE	63
15	Expert lecture by Mr. Ravi Patane,Director of Graphical Realistic Presentation, Latur.	CE	63

Career Guidance Data for academic year 2017-18

Sr.No.	Resource Person/ Industry	Name of Department.	No. Of Beneficiary
1	Expert lecture on Trouble shooting Maintenance by Hema Gajbhar	MU	40
2	Expert lecture on EEG by Sudhir Kanade	MU	40
3	Expert lecture on Motivation & Time Management by R.A. Kulkarni	MU	40

4	Expert lecture on Logical Thinking by V.B. Swami	MU	40
5	Expert lecture on Surface Ornamentation Techniques by Smt .Sweta Shinde	DD	40
6	Expert lecture on Computer aided Designing by Smt. Pallavi Swami.	DD	40
7	Expert lecture on Basic fashion illustration by Shri Avinash B.satpute.	DD	40
8	Expert lecture by Ms. Kagade Nikita.	CO	63
9	Expert lecture by Mr. Menkudale , Mr. Avinash Jadhav , Mrs. Varsha Swami .	CO	63
10	Expert lecture by Mr. V. Sharma ,Ms. Veena From Infosys Pvt. Ltd. Pune	CO	63
11	Expert lecture by Mr. S. Mahajan , Mr. Trimukhe	CO	63
12	Expert lecture by Mr. B. Ganesh.	CO	63
13	Expert lecture on Tele Communication Technologies by Mr.Sandip S. Shastri Junior Telcom Officer, Bharat Sanchar Nigam Limited,Latur	ET	63
14	Expert lecture on Logical Thinking Power by Mrs. V.B. Swami Director, Orange Software Pvt. Ltd, Latur	ET	63
15	Expert lecture on Project report preparation for small scale Industries ,Mr. P.N. Gudsukar Atharwa Consultancy, Latur	ET	63

Active MOUs data for academic year 2016-17

Sr.No.	Name of Department.	Name of Industry with active MOUs.	No. Of Beneficiary
1	MU	MIT COLLEGE LATUR	40
2	DDGM	Quality in Boutique,UlkaNagari Garkhada, Aurangabad	40
3	DDGM	Suyog Shirt Manufacturing Industry, Latur	40
4	DDGM	S.S.T.Arts collage Latur	40
5	DDGM	Ellize line Designer .Latur	40
6	CO	VA Cube IT Services Pvt.Ltd. Latur	63
7	CO	Synechis Aquilam Solutions LLP. Pvt.Ltd. Pune	63

Active MOUs data for academic year 2017-18

Sr.No.	Name of Department.	Name of Industry with active MOUs.	No. Of Beneficiary
1	MU	PLGP LATUR	40
2	DDGM	S.S.T.Arts collage Latur	40
3	DDGM	Ellize line Designer .Latur	40
4	DDGM	Suyog Shirt Manufacturing Industry, Latur	40
5	DDGM	NavyaBoutique ,Latur.	40
6	DDGM	Dwarka Das Shyam Kumar Retail, Latur	63
7	CO	CYIN Solutions Pvt.Ltd. Pune	63
8	ET	MCN Cable and Docomo Private Limited, Latur 1 st Floor ICICI Bank,Parijat building, Ausa Road,Latur	63

Active MOUs data for academic year 2018-19

Sr.No.	Name of Department	Name of Industry with active MOUs.	No. Of Beneficiary
1	MU	SWAMI VIVEKANAND HOSPITAL	40
2	DDGM	S.S.T.Arts collage Latur	40
3	DDGM	Ellize line Designer .Latur	40
4	DDGM	NavyaBoutique ,Latur.	63
5	CO	Mindlabz Software Solution Pvt. Ltd. Latur	63
6	ET	FAB India Automation C/O Cognitive IT Solutions, Preeti travels Office,UdyogBhavan,Latur	63
7	ET	ShriSaibaba Green Power Rprivate Limited Gondri(Lodga),Latur	63

Industrial visit data for academic year 2016-17

Sr.No.	Name of Visited Industry	Name of Department	No. Of Beneficiary
1	Water Treatment Plant, Harangul	CE	63
2	Dhanegaon Dam, Dhanegaon	CE	63
3	Waste Treatment Plant, Warwanti	CE	63

4	Biomedical Waste Treatment Plant (Incinerator), MIT College, Latur	CE	63
5	Railway Station, Latur	CE	63
6	Digital Art Work Latur.	MU	40
7	Vivekanand Hospital Latur.	MU	40
8	Lokmat Printing Press Latur	MU	40
9	Railway Station Latur	MU	40
10	Vivekanand Hospital Latur	MU	40
11	Mahanand Milk Dairy Latur	MU	40
12	Uma Udyod Latur	MU	40
13	Lokmat Printing Press Latur	MU	40
14	Maridian Aqua Latur	MU	40
15	Sunrich Aqua plant, M..I.D.C.Latur	ET	63
16	Doordarshan High Power TV Transmitter,Ambajogai.	ET	63
17	Mahanand Milk Dairy, M..I.D.C.Latur	ET	63
18	MalwadkarAgency ,M..I.D.C.Latur	ET	63
19	Lokmat paper agency,Latur.	ET	63

Industrial visit Data for academic year 2017-18.

Sr.No.	Name of Visited Industry.	Name of Department	No. Of Beneficiary
1	Quality Packing Latur	MU	40
2	Sunrich Aqua Latur	MU	40
3	Lokmat Printing Press Latur	MU	40
4	Uma Udyod Latur	MU	40
5	Mahanand Milk Dairy Latur	MU	40
6	Surya Conductors Latur	MU	40
7	Vivekanand Hospital Latur	MU	40

8	MIT Hospital –I Latur	MU	40
9	MIT Hospital- III Latur	MU	40
10	Digital Art Work Latur	MU	40
11	Sai Baba Sugar Factory Latur	MU	40
12	Green Power Genration Latur	MU	40
13	B.B.Knitting,Pulgam Textile, Solapur)	DD	40
14	AndhaApngapunarvasan Kendra budhoda.	DD	40
15	KhadigramudyogAusa.	DD	40
16	B.F.R. L.MIDC Latur	DD	40
17	Sunrich Aqua plant, M.I.D.C.Latur	ET	63
18	Nana Gas Plant,M.I.D.C.Latur	ET	63
19	TV receiving Center, Osmanabad	ET	63
20	All India Radio, Osmanabad	ET	63
21	Latur Cable Network,Latur	ET	63
22	Uma udyog,M..I.D.C.Latur	ET	63
23	Substructure Construction: Gagan Viharr, Latur	CE	63
24	Construction site: Vyankateshwara Green Project, Latur	CE	63
25	Railway Station, Latur	CE	63
26	Water Treatment Plant, Harangul	CE	63
27	Dhanegaon Dam, Dhanegaon	CE	63
28	Waste Treatment Plant	CE	63
29	Biomedical Waste Treatment Plant (Incinerator)	CE	63
30	Railway Station, Latur	CE	63
31	BSNL-Bharat Sanchar Nigam Limited Latur	CO	63
32	Mindlabz Software SolutionsPvt,Ltd Latur	CO	63
33	Mindlabz Software SolutionsPvt,Ltd. Latur	CO	63

Industrial visit data for academic year 2018-19.

Sr.No.	Name of Visited Industry	Name of Department	No. Of Beneficiary
1	Digital Art Work-III Latur	MU	40
2	Mahanand Milk Dairy Latur	MU	40
3	MIT Hospital Latur	MU	40
4	Digital Art Work-I Latur	MU	40
5	Vivekanand Hospital Latur	MU	40
6	Action Garment Vitthal Cooperation, Barshi	DD	40
7	Big Bazar & Shoppers Stop, Latur.	DD	40
8	B.B.Knitting, Pulgam Textile, Solapur)	DD	40
9	High power TV Transmitter,Pimpala,Ambejogai	ET	63
10	Bharat Sanchar Nigam Ltd,Latur	ET	63
11	Digital Art .Prakashnagar,Latur	ET	63
12	Uma udyogIndusties, M.I.D.C. Latur	ET	63
13	Water Treatment Plant, Harangul	CE	63
14	Traffic Volume Survey Latur	CE	63
15	Dhanegaon Dam, Dhanegaon	CE	63
16	District Health Laboratory	CE	63
17	PACE Training Centre, Killari	CE	63
18	Quality Control Laboratory Latur	CE	63
19	Highway construction site Latur	CE	63
20	Building Construction Site Latur	CE	63
21	Bio-fertilizers and vermi-composting plant	CE	63
22	Profile Levelling Road Project Latur	CE	63
23	Building Construction Site Latur	CE	63
24	Railway Station, Latur	CE	63
25	BSNL-Bharat Sanchar Nigam Limited Latur	CO	63

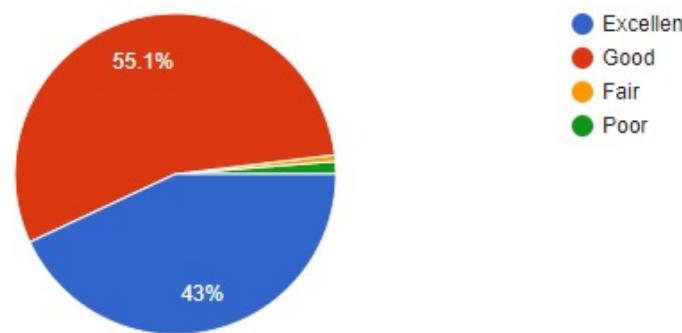
26	Arty Offset Industry,Latur	CO	63
27	Print pack Business forms pvt,ltd	CO	63

List of selected candidate for Philips India Ltd in 2020 with 2.2 lac per annum

Sr.No.	Name of Candidates	Branch of candidates
1	Prajakta Pati	MU
2	Rohini Pande	MU
3	Snehlata Burnge	MU
4	Dnyaneshwari Sontake	MU
5	Akshada Garad	MU
6	Pallavi Zirmire	ET
7	More Pranita Vyankatral	ET
8	Pooja Swami	ET
9	Geeta Bolange	ET
10	Manasi Kulkarni	ET
11	Supriya Dhotre	ET

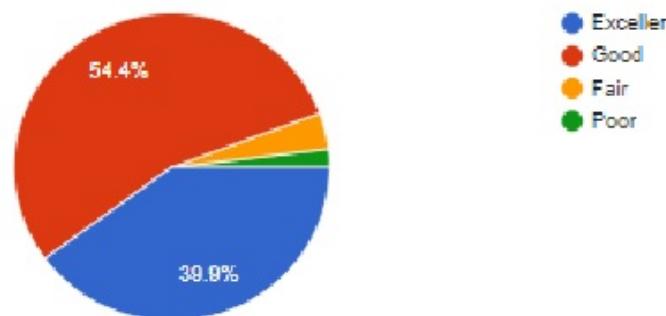
Overall Rating for Industrial Visit organised in Current Academic Year by your department.

158 responses



Overall Rating for Training and placement cell .

158 responses



Picture : Feedback form graphical representation (students 2018-19 batch)





Picture: Selected Students at Philips India Ltd and Philips HR Team.



Picture : Felicitated soft skill expert by Dr.A.M.Agarkar and Guest lecture from TE Civil



Picture : Feedback from In-plant Training from MU department and Industrial Visit .

8.5 Entrepreneurship Cell/Technology Business Incubator (5)	Total Marks 5.00
	Institute Marks 5.00

A. Availability (01)

Our Polytechnic established Entrepreneurship Development Cell in the academic year 2016-17. The cell intends to encourage, motivate and provides training for the students who are inclined towards entrepreneurship.

Entrepreneurship Development cell strives to inspire and generate a culture of innovation to help budding entrepreneur to realize their potential. Maharashtra State Board of Technical Education (MSBTE) designed a curriculum to encourage diploma students for self-employment. Government Residential Women's Polytechnic, Latur, has been organizing a Three Day Full Time Entrepreneurship AwarenessCamp(EAC) for the students of all branches from academic year 2016-17. These EACs are arranged in collaboration with Maharashtra Center for Entrepreneurship Development (MCED)(which is the Nodal Institute of Government of Maharashtra having its head office at Aurangabad).

The objectives of the cell are:

1. To introduce students to "Entrepreneurship as a Carrier Choice".
2. To Conduct Entrepreneurship Awareness Camp (EAC).
3. To develop Industry contacts for training and hand-on experience.

B. Management (02)

Activities Conducted by Entrepreneurship Development cell:

Following activities are conducted by Entrepreneurship Development cell;

Academic Year	Name Of Activity Conducted	Duration	No. of Beneficiaries
Academic Year 2016-17	Entrepreneurship Awareness Camp.	06/01/2017 To 08/01/2017	174
Academic Year 2017-18	Entrepreneurship Awareness Camp.	18/01/2018 To 20/01/2018	78
	Entrepreneurship and opportunities in Technical field	03/08/2018	Students of All Branches
Academic Year 2018-19	Entrepreneurship Awareness Camp.	21/01/2019	109
	Exhibition on Best From West	29/08/2019	37
	“Eco – Friendly Hand Bags using Upcycling Technology: Exhibition and Sell”	28/08/2019	34

“Best from West” activity was organized by Prof Mrs. S. A. Agarkar during EDP Tutorial hours. Medical Electronics Final Year Students Participated in this activity. Students exhibited their skills to utilize the waste material by the best possible ways. Students converted the waste material into very useful products/fancy articles.

“Eco – Friendly Hand Bags using Upcycling Technology: Exhibition and Sell” activity was organized by Dress Designing and Garment Manufacturing (DDGM) department on 28/08/2019. All second year students of DDGM department participated in this activity. Students did stitching of the bags using eco – friendly material. They have also learnt prototyping techniques in this activity. Hence students got first-hand experience of product designing and manufacturing. Through exhibition, students gained the experience of marketing and selling the product.

A few snaps below, depict the events, such as, inauguration of “Best from West” activity by Medical Electronics department, “Eco – Friendly Hand Bags using Upcycling Technology: Exhibition and Sell” organized by DDGM department. The banner of EAC for 2018-19 is seen in the fourth snap.





Organised by
**MAHARASHTRA CENTER FOR
ENTREPRENEURSHIP DEVELOPMENT
(MCED), LATUR**
Sponser by
**Government Residential Women's
Polytechnic, Latur**
ENTREPRENEURSHIP AWARENESS CAMP
Prog.Dur. : 21/01/2019 to 23/01/2019
: Venue :
Government Residential Women's Polytechnic, Latur

Through Industrial training of 6 weeks is made compulsory by MSBTE, we motivate our students to undergo industrial training so that they can design their own prototype / product / project. This experience is very useful in future if a student wants to continue with manufacturing of the same product as an entrepreneur. We are closely associated with CMIA as depicts from the following correspondence documents:



CHAMBER OF MARATHWADA INDUSTRIES AND AGRICULTURE
Bajaj Bhavan, P-2, MIDC Area, Station Road, Aurangabad - 431005
Phone: (0240) 2324509, 2355090. Fax: (0240) 2323020



661



Application For Membership

FULL NAME OF THE UNIT: GOVT. RESIDENTIAL WOMEN'S POLYTECHNIC

Representative Name: DR. AGAMAGARKAR

Designation: PRINCIPAL

Official Address: GOVT. RESIDENTIAL WOMEN'S POLYTECHNIC, Latur Residential/Alternate

Address: AS ABOVE - BARSHI ROAD, LATUR

GST Number: _____

Telephone Number: Factory 02382 - Office 221184 Residence _____

E-mail: 0136 Principal@msbte.com Mobile: 9422882156

Alternate E-mail: ag4@rediffmail.com Alternate Mobile: 9422469646

Recommended By: JOINT DIRECTOR, TECHNICAL EDUCATION OFFICE, AURANGABAD

Product Category/Sector: _____

Do You Export: Yes: No:

Which Countries: _____

Which Class of Membership you wish to apply

Class Of Membership	Admission Fee	Annual Subscription Fee
<input type="checkbox"/> Associate (Individual)	1500	3000
<input checked="" type="checkbox"/> Associate (Institutional)	1500	5000
<input type="checkbox"/> Small Scale (SSI)	1500	3500
<input type="checkbox"/> Medium Scale	5000	6500
<input type="checkbox"/> Large Scale	10000	18000
<input type="checkbox"/> Life Membership: Fifteen Times Of Annual Subscription for 20 Years.		

Mode Of Payment: Cash
RTGS/NEF
DD/Cheque

GST will be applicable @18% on above fees

1/1/18
A.
Principal
Govt. Residential Women's
Polytechnic, Latur.



CHAMBER OF MARATHWADA INDUSTRIES AND AGRICULTURE



661

Bajaj Bhawan, P-2, MIDC Area, Station Road, Aurangabad - 431 005, INDIA

Ph. : 91-0240-2324509 / 2355090 Fax : 91-0240-2333029

Email : info@cmia-aurangabad.com / cmia.office@gmail.com, Website : www.cmia-aurangabad.com

Ref.: CMIA/2018-19/28/05/2018

May 28, 2018

To,
Dr.A.M.Agarkar,
Principal
Govt. Residential Women's Polytechnic
Barshi Road, Latur
Ph.02382-221184 Mobile : 9422882156, 9422469646
e-mail : 0136principal@msbte.com,agb4@rediffmail.com

SUB. : Membership of CMIA

Dear Member,

Congratulation for becoming a member of CMIA !

We are happy to inform you that your application for the **Associate (Institutional) Membership** of the Chamber Of Marathwada Industries And Agriculture(CMIA) for the year **2018-19** has been accepted in the Executive Committee Meeting conducted on **Saturday, 26th May, 2018**.

We acknowledge with thanks the receipt of NEFT amounting to **Rs.7,670/-** (Rupees Seven Thousand Six Hundred Seventy Only) towards admission fees (Rs.1,500/-), Membership Subscription fees (Rs.5,000/-) & **Rs.1,170/-** towards GST @ 18%. We have issued the receipt No.**7512 Dt.25/05/2018** along with CMIA Invoice #**239 Dt.28/05/2018** for the same; enclosed herewith for your records.

We are also enclosing herewith CMIA Members Directory for ready reference & use.

We are obliged, honored & enlightened, if you can come and contribute to the activities / initiatives of CMIA on regular basis.

We welcome you to CMIA and look forward to your active participation and involvement in the Chamber for the betterment of industry in Marathwada region.

Thanking you,
Yours sincerely,
For Chamber Of Marathwada Industries and Agriculture(CMIA),

V.N.Nandapurkar
Hon.Secretary

Encl : As stated above 1) CMIA R.No.7512 Dt.25/05/2018
2) CMIA Inv.No.239 Dt.28/05/2018

(Regd. Under SR & BPT Act Reg. No. SR 65/88 PTR No. F-1614)

1/10/2019

Maharashtra State Board of Technical Education Mail - Invitation for the Awareness Program BY MEDA(Maharashtra Energy Develop...



Govt. Residential Womens Polytechnic, Latur Principal <0136principal@msbte.com>

**Invitation for the Awareness Program BY MEDA(Maharashtra Energy Development Agency) for
SME's, MSME's Large Scale Industries for Various Schemes and policies for Energy Conservation
on Friday, 18th January, 2019 at 2 pm at CMIA Conference Hall**

CMIA Aurangabad <cmiajsecretary@gmail.com>
To: CHAMBER OF MARATHWADA INDUSTRIES AND AGRICULTURE AURANGABAD <cmiajsecretary@gmail.com>
Bcc: 0136principal@msbte.com

10 January 2019 at 14:41

**CHAMBER OF MARATHWADA INDUSTRIES AND
AGRICULTURE**

Bajaj Bhawan, P-2, MIDC Area, Station Road, Aurangabad(MS)-431 005,INDIA
Ph:+91-240-2324509, 2355090 Fax:+91-240-2333029

E-mail : info@cmia-aurangabad.com website : www.cmia-aurangabad.com

मि. ए. फि. त. फि. लाहूरे
दि. क. 69
दिनांक 10/01/19

Ref.:CMIA/2019-20/10/01/2019

10 January 2019

Subject: Invitation for the Awareness Program BY MEDA(Maharashtra Energy Development Agency)
for SME's, MSME's Large Scale Industries for
Various Schemes and policies for Energy Conservation on Friday, 18th January, 2019 at 2
pm at CMIA Conference Hall

Dear Sir,

Chamber of Marathwada Industries and Agriculture(CMIA) would be conducting an Awareness
Program BY MEDA(Maharashtra Energy Development Agency) for SME's, MSME's Large Scale
Industries for Various Schemes and policies for Energy Conservation for the industrial consumers.

This programme would be useful for the MSME sector, Large Scale Industries, Academia &
Students from the region, which will provide an excellent opportunity for you to increase your brand
recognition amongst the decision makers in this region. CMIA has been proven as unparalleled
platform to network and explore such schemes and programs in mass scale to the industrial
consumers.

The programme schedule is as follows;

20/01/19
AF

प्राचीय
निम्नोक्त नाम से लाभ
का प्राप्ति करने वाले
निम्नलिखित दस्तावेज़ देने वाले

Day/Date : Friday, 18th January, 2019
 Time : 2 pm to 5:30 pm
 Venue : CMIA Conference Hall, P-2, Bajaj Bhawan, MIDC Railway Station, Aurangabad

Detailed programme agenda is appended below for your ready reference please.

Participation Fees :: Rs.500/- + GST @ 18% extra per participant

Payment cheques to be drawn in the name of Chamber of Marathwada Industries And Agriculture or RTGS to CMIA account with following details;

Beneficiary Name	:Chamber of Marathwada Industries and Agriculture
Bank A/C No.	:52065960072
Name of Bank	:State Bank of Hyderabad
Bank Branch & Address	:Rly. Station Road, Aurangabad-431005
IFSC Code	:SBHY0020302
Account Type	:Saving Account

For the participation in this programme prior registration is must. For more details and registration, please contact CMIA Office on phone no.0240-2324509, 2355090 or mobile no.8888889667, 68 or 8888889670 or e-mail to cmiasecretary@gmail.com

<https://mail.google.com/mail/u/0/?k=fb029ec5&view=pt&search=all&permmsgid=msg-f%3A1622263904490590056&simpl=msg-f%3A1622263...> 1/2

1/10/2019

Maharashtra State Board of Technical Education Mail - Invitation for the Awareness Program BY MEDA(Maharashtra Energy Developmen

You are kindly requested to attend and also depute your concerned officials for the said programme,

Best Regards,

For Chamber of Marathwada Industries and Agriculture

Rahul Deshpande
Convener, Energy Cell

Nitin Gupta
Hon.Secretary

AWARENESS PROGRAM BY MEDA(Maharashtra Energy Development Agency) for SME's, MSME's Large Scale Industries for Various Schemes and policies for Energy Conservation

January 18th, 2019 @ CMIA Hall, CMIA Bhavan, Aurangabad

1	Felicitation	Felicitation of MEDA & DIC Officials by CMIA	2.00 PM to 2.15 PM	CMIA President / Hon. Secretary CMIA/ Mr. Prasad Kokil (Past. President- CMIA, Founder-Energy Cell)
2	Session -I	1. Presentation by MEDA (Maharashtra Energy Development Agency covering following topics	2.15 PM to 3:45 PM	MEDA Officers, Aurangabad Division
		a. MEDA activities and portfolio exploration for consumers (Industry, Commercial, Residential)		Mr. P. C. Diwakar, DGM, MEDA, Aurangabad
		b. Details of various schemes for promotion of energy audits and energy conversations like Save Energy Program, SME Scheme, Renewable Energy Schemes etc.		
		Tea Break	3.45 PM to 4.00 PM	Tea with Breakfast / Refreshment
3	Session -III	Session by DIC Head to explore various schemes for Industries & consumer for Energy Conservation project implementation from DIC	4.00 PM to 4.30 PM	DIC Divisional Head, Aurangabad
4	Session III	Panel Discussion on PF improvement, Regulatory issues, Energy Conservation and harmonics etc.	4.45 PM to 5.00 PM	MSEDCL Representative, CMIA Energy Cell, L & T Representative, MEDA Representative, Shri. Hemant Kapadia, DIC Personnel etc.
5	Conclusion			

Comments or thanks

5.00 PM to
5.15PM

<https://mail.google.com/mail/u/0/?k=fb029ec5&view=pt&search=all&permmsgid=msg-f%3A1622263964496596056&simpl=msg-f%3A1622263> 9/9

6/18/2018

Maharashtra State Board of Technical Education Mail - Postponement of Interaction meeting with Hon. Mr Subhash Desai, Minister for In...



Govt. Residential Womens Polytechnic, Latur Principal <0136principal@msbte.com>

Postponement of Interaction meeting with Hon. Mr Subhash Desai, Minister for Industries and Mining

1 message

CMIA Aurangabad <cmiajtsecretary@gmail.com>
To: CHAMBER OF MARATHWADA INDUSTRIES AND AGRICULTURE AURANGABAD <cmiajtsecretary@gmail.com>
Bcc: 0136principal@msbte.com

16 August 2018 at 19:38

16/08/2018/2018/30
16/08/2018

CHAMBER OF MARATHWADA INDUSTRIES AND AGRICULTURE

Bajaj Bhawan, P-2, MIDC Area, Station Road, Aurangabad(MS)-431 005,INDIA
Ph:+91-240-2324509, 2355090 Fax:+91-240-2333029

E-mail : info@cmia-aurangabad.com website : www.cmia-aurangabad.com



Dear Sir,

Interaction meeting with Hon. Mr Subhash Desai, Minister for Industries and Mining has been **postponed**, which was scheduled on 17th August,2018 (Friday) at Nanaheb Bhogale Auditorium,Marathwada Auto Cluster,Plot No.P-174, MIDC Waluj.

You are kindly requested to take a note of above.

Best Regards,

Nitin Gupta
Hon. Secretary CMIA

Mr. Nitin Gupta
18/08/2018
निनाम
प्राचार्य
शासकीय निकाती महिला
मंड़िर तंत्रनिवेदन, लातूर
18/08/2018
Issued by -

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8.5.1 Success Stories: A few recent examples

The Institute has a good reputation of converting students into entrepreneurs, especially for Medical Electronics and Dress Designing and Garment Manufacturing branch. Many passed out students have started their own enterprise and are providing employment to others also.

I. Success story of an Entrepreneur from Medical Electronics Department:

Mrs. Shivganga Dhiraj Madane successfully completed her Diploma in Medical Electronics by May 2012 and now has established her own dealership enterprise named “M/s. Medicorum Biomedical Services”, situated at Sant Dnyaneshwar Nagar, Rajiv Gandhi Chowk Latur for commissioning of biomedical equipment in government as well as private hospitals. Recently she has developed one COVID-19 care unit for Covid patients successfully.

Enclosed photographs depict various biomedical Machines she is dealing with in her enterprise.



Contact Details:-

Name of Industry:- M/s. Medicorum Biomedical Services, Latur.

Year of Establishment: - 2017

Name:-Mrs. Shivganga Dhiraj Madane

Designation:- Reseller / Dealer

Contact No.:- 8766507616

Email Id:- shivhede1@gmail.com (<mailto:shivhede1@gmail.com>)

II. Success story of an entrepreneur from Dress Designing and Garment Manufacturing Department:

Ms. Abhilasha Sunil Ghodke successfully completed her Diploma in Dress DDGM Program in 2020 and has established her own “Masks Manufacturing Unit” named “Suviraj Enterprises”, situated at Bhawanipeth, near Punmiya hospital Barshi, District-Solapur, Pincode-413401. She is engaged in designing and manufacturing of masks. She donated 1500 masks to hospitals and nearby police station as a part of social service.



जनमत
सोलापुर, उस्मानाबाद, कोल्होपुर, सांगी, लाला, बेळवाई

फॅशन डिजायनिंग कोर्स झालेल्या मुलीने वाटप केले मोफत मार्क

क्र.अभिनाशा घोडकेचा

स्त्री उपकरण

बार्शी, दि. ८ (प्रिनिपी)

कोरोना या महाभयकर विषाणुपात्र बचाव करण्यासाठी बासीं शहरातील अस्यावयवाय सेवेचे असलेल्या शर व लालकुमा पोटिस ठाणे कर्मचारी, वैद्यकी कर्मचारी, डॉ. जगदाळे मामा हासिनीरत, कम्पनीटी किंवचन जामगाव, प्रार्थीण स्थानालय आदी इकांगो खाते. बरिसेले मास्क उपायक्ष पटी निवड झाली आहे. सुखवातीपाईनव तिता, बहिंग सौ. शिविका काळगे समाजसेवेची आवड असरवाणी निने आपल्या अंगी असलेल्या शास्त्रीय महिला तत्रनिकरन कलेच्या माझमात्रून खत: म यांचील इंस डिजायनिंग अंड एक्स बरवून वाटप केले आहे. गारमेंट मंडळीच्यांनी लातुरुच्या अलापवेत तिने १००० मास्कचे वाटप केले आहे. कोरोना या विषाणूचावत जनजागृती करीत असून नुकतीच तीची महाराष्ट्र.



गोविंदा शाळेत

Manufactured Masks and News Published in News paper (Janmat)

Contact Details :-

Name of Industry:- M/s. Suviraj enterprises, Barshi.

Year of Establishment:- 2020

Name :-Ms. Abhilasha Sunil Ghodke

Designation:-Director

Contact No.:- 9579145604,9730312441

Email Id:- abhilashaghodke3140@gmail.com (<mailto:abhilashaghodke3140@gmail.com>)

III. Success story of an entrepreneur from Dress Designing and Garment Manufacturing Department:

Ms.Vaishnavi Vikram More successfully completed her Diploma in Dress Designing and Garment Manufacturing Program in 2020 and has established her own “Masks Manufacturing Unit” named “Vaishnavi Costume” situated at Kalamb, Dist Osmanabad. She is engaged in designing and manufacturing of masks. She has donated 1000 masks to social organizations and police department.



लोकमत

विद्यार्थिनीने बनविले १० हजार मास्क

सुन्दर : शासकीय आस्थापना, संघटना व गरजूना मोफत वाटप

लोकमत न्यूज नेटवर्क

कवच : लोकवाक़नवाया काळात अनेकानी खेगयोछे छैं जोपासत उपक्रम राखिले आहेत. मात्र काळेच येऊन वेण्याची विक्री मोरे या विद्यार्थिनीने मात्र सामाजिक भान व गरन लालात भरत साकेल्यान १० हजार मास्कहीने आवश्यक ५ हजार मास्क भोजन वाटप केले आहेत.



Hello Osmanabad
Page No. 4 Apr 22, 2020
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आरेत. सत. शिवायगम करन नव्याप केलेल्या शासकीय मास्कपेची आजार एक नव्यापकानमध्ये देण विडाईले अंग गार्हने. मैत्र्यकृत्यागिमध्ये पदविकृंत शिक्षण घेणे आहे. लोकवाक़नवाये शोधातिक नियोजन कोलेमाले आहे. यामुळे कलंगे घेवे घोरेच अलेल्या येण्याची मोरे दिले आपल्या शिक्षणाचा यारप करत समाजाता सध्या गरन असलेल्या मास्कपी विस्तीर्ण करण्याचा संखल्य केला. यानुसार तिने दोन हजार मास्क तयार केले

आजव्य उपजिल्हा कृष्णानगर तहसील कायवलय, पोलीस अणे, पब्लिक सेवा, रोटरी क्लब, गणपतराव करावे युवक आयांडी, साचिवींचाहू फूले मास्कपी व उच्च मास्कपीक विद्यार्थ, रोटरी क्लब यांना मोफत मास्क यादव यांनी मास्क बनविल्याचे प्रातिक्रिक विद्यार्थीसाठी घेण्ये होते. याचा वेण्याची दिले लागावीनी प्रदर्शनात उपचारा केला. वेण्याची मारे दिले

झाली.

Manufactured Mask and News Published in News Paper (Lokmat)

Contact Details:-

Name of Industry:- M/s. Vaishnavi Costumes, Kalamb.

Year of Establishment:- 2020

Name :- Ms.Vaishnavi Vikram More

Designation:- Director

Contact No.:- 8087583246

Email Id:- morevaishnavi219@gmail.com (<mailto:morevaishnavi219@gmail.com>)

We have designed one Google form to collect the information about passout students who does the business and we have got huge responses; from that following students are doing the business successfully,that we have mentioned in following table.

Students doing Business with their own setup

Timestamp	Name of the student	Passout Year	Branch	Current Status	If you are an Entrepreneur then give information in brief(e.g.Products, Name of Business , starting Year, Location of Business, Turn over etc.)	Address and Contact Details.
7/30/2020 15:58:48	Shinde shweta panditrao	2009	Dress Designing and Garment Manufacturing	Self Employment (Entrepreneur)	VRUNDA (clothing brand), baramati	Jamdar Vasti, Jamdar road, Kasba, baramati
08/06/2020 15:13	More Vaishnavi Vikram	2020	Dress Designing and Garment Manufacturing	Self Employment (Entrepreneur)	Business name :Vaishnavi costumes 2019. Kallam.	Burud gali TQ. Kallam. Dis. Osmanabad. Contact No: 8087583246
08/06/2020 15:49	Vaasudha Rajpal mane	2002	Dress Designing and Garment Manufacturing	Self Employment (Entrepreneur)	Navya designer studio, Old Ausa Road, Latur. Starting year-2016	Tulajabhabani housing society, near new Adarsh colony, ausa road, Latur, Mob-8007771551
08/06/2020 17:54	Shivganga Dhiraj Madane	2012	Medical Electronics	Self Employment (Entrepreneur)	Medicorum Biomedical Services. Rajiv Gandhi chowk Latur. Start year 2018	Gangotri niwas sant dnyaneshwar nagar Rajiv Gandhi chowk. Latur 8766507616
08/07/2020 11:30	Abhilasha Sunil Ghodke	2020	Dress Designing and Garment Manufacturing	Self Employment (Entrepreneur)	Product Mask Production Name Of Business:Suviraj Starting Year:March 2020 Location:Barshi Turn Over:25k only	4378 Bhawani Peth Tek Gali,Barshi Contact: 9579145604 7350230443
8/13/2020 9:16:22	Shahebj Attar	2012	Electronics and Communication	Self Employment (Entrepreneur)	National Electronics, Electrical contracts	attershahebj@gmail.com

8.5.2 Specimen copies of EAC Office order, Schedule and EAC Certificate.

I. Specimen EAC Office Order



शासकीय निवासी महिला तंत्रज्ञानेतन, लातूर
GOVT. RESI. WOMEN'S POLYTECHNIC BARSHI ROAD,
LATUR- 413 531
Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175
Email - 0136office@msbte.com, grwpl_ltr@rediffmail.com



No.GRWPL/EDP/2018/59

Date:- 10 JAN 2018

Circular

Subject:- 03 Days full time Entrepreneurship Development Program (EDP) jointly Organized by the institute and MCED for the Third Year Students of the all Branches from 18th Jan to 20th Jan 2018.

All Head of Department of institute are informed that, the Institute level "Entrepreneurship Development Program (EDP)" for 3rd year students of all branches are scheduled to be held between 18, 19, and 20th Jan 2018 with the collaboration of Institute and MCED(an Accredited institute of Government of Maharashtra).

The Maharashtra State Board of Technical Education has underlined the need for Entrepreneurship Development Program with the objective of enabling students of Engineering and Technology to become entrepreneurs themselves and provide employment to many and contribute to the "MAKE IN INDIA" movement and uplift themselves and the nation through entrepreneurship. EDP has been included in the external Educational supervision to ensure proper implementation of the program at the institutional level.

The program is for third year students and all department heads should ensure that maximum numbers of students from their department participate.

Following are the Departmental Co-ordinators to Assist and Co-ordinate the program with the Chief Co-ordinator Mrs. Seema Ajay Agarkar.

1. Mrs. A. P. Ghode - Electronics and Medical Electronics
2. Mrs. S.N. Shinde - DDGM
3. Mrs. A. S. Patil - Computer
4. Mr. R. B. Kakde – Civil

(Dr. A. M. Agarkar)
Principal

Government Residential Women's Polytechnic, Latur

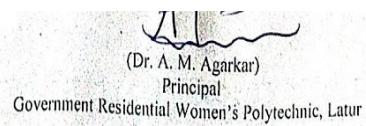
Copy To –

- 1) All Department Heads of Civil/Computer/Electronics and Communication/DDGM/Medical Electronics should submit their List of Participated students and EDP Program fees to the Mrs. Seema Ajay Agarkar (Chief co-ordinator EDP) till date 11/01/2018 and take the receipt.
- 2). Mrs. Seema Ajay Agarkar (Lecturer in Electronics And Comm.) Should act as the Chief Co-ordinator on behalf of the organization, Go with the Departmental Co-ordinators in each Department as Required and explain the importance of EDP to the Students. The total number of Participated students should not exceed 120.

Entrepreneurship Awareness Camp (EAC)

Jointly Organized by Maharashtra Centre for Entrepreneurship Development (MCED) and
Government Residential Women's Polytechnic (GRWP) Latur.

Sr. No.	Date	Time	Subject	Name of the Experts
1	21/01/2019	10.30 to 12.00	Inaugural Programme	Mr. Balaji Birajdar (Manager DIC,Latur) Mr. N. M. Bhosale (Project Officer M.C.E.D. Latur) Dr. Ajay Agarkar (Principal GRWP Latur)
		12.00 to 1.30	Role of District Industries Centre(DIC), Khadi Gramodyog and M.I.D.C.	Mr. Balaji Birajdar (Manager DIC,Latur)
		1.30 to 2.00	Tea Break	
		2.00 to 3.30	Entrepreneurial Opportunities for budding Technocrats.	Dr. Ajay Agarkar
		3.30 to 5.00	Business Opportunities in Latur District and Role of M.C.E.D.	Mr. N. M. Bhosale
2	22/01/2019	10.30 to 12.30	Entrepreneurial Traits	Mr. Sham Sunder
		12.00 to 1.30	Business Opportunities in Agriculture (Case study of Mushroom Business)	Mrs. Sunita Magar
		1.30 to 3.30	Tea Break	
		2.00 to 3.30	Skill Oriented Business Opportunities	Dr. Prakash Rodiya
		3.30 to 5.00	Importance of Advertisement in Business	Mr. R. D. Jogdand
3	23/01/2019	10.30 to 12.30	Project Report Preparation	Ad. Pradeep Gudsurkar (Tax Consultant)
		12.30 to 1.30	Panel Discussion	Ad. Pradeep Gudsurkar (Tax Consultant) Dr. Ajay Agarkar Mr. N. M. Bhosale Mr. Pawan Surwase (M.C.E.D. Latur)
		1.30 to 4.30	Tea Break	
		2.00 to 4.30	Visits to S.S.I. Units	I.Gangane Pipe Industry II.Suyog Redimade Garments
		4.30 to 5.00	Valedictory Function	Dr. Ajay Agarkar Mr. N. M. Bhosale Mrs. A. S. Bhandare (EAC Coordinator GRWP Latur) Mr. Pawan Surwase



III. Specimen EAC Certificate issued to Students



9 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (75)

Total Marks 75.00

9.1 Organization, Governance and Transparency (25)

Total Marks 25.00

9.1.1 State the Vission and Mission of the Institute (5)

Institute Marks

Vision :

To become Center of Excellence, providing quality technical education and training to make Self-reliant and responsible citizens.

Mission :

1. To provide conducive environment for quality education.
2. To extend facilities and services for excellence in technical education.
3. To inculcate values and ethics for lifelong learning through curricular, co curricular and extra -curricular activities.
4. To enhance the skills of Faculties and staff through Quality Improvement training program and higher education.

9.1.2 Governing body, administrative setup, functions of various bodies, define rules procedures, recruitment and promotional policies (5)

Institute Marks

5.00

A. List the Governing Body Composition; their memberships, functions, and**Responsibilities (02)**

Government Residential Women's Polytechnic, Latur is a Government institute functioning as per the direction of Director of Technical Education, Mumbai. The Director of Technical Education issues administrative/financial policies & The Director of Maharashtra State Board of Technical Education, Mumbai issues academic policies. The Principal is the authority to implement the policies issued by the higher authorities.

The administrative setup of Government Residential Women's Polytechnic, Latur is shown in Figure 9.1

Abbreviations:

HOD: Head of department, TPO: Training & Placement officer,

WS: Workshop Superintendent, RO: Regional office,

MSBTE: Maharashtra state board of Technical Education,

ET: Electronic and Communication, CO: Computer Engineering,

MU: Medical Electronics, CE: Civil Engineering,

DDGM: Dress Designing and Garment Manufacturing,

**DIRECTOR
TECHNICAL EDUCATION**

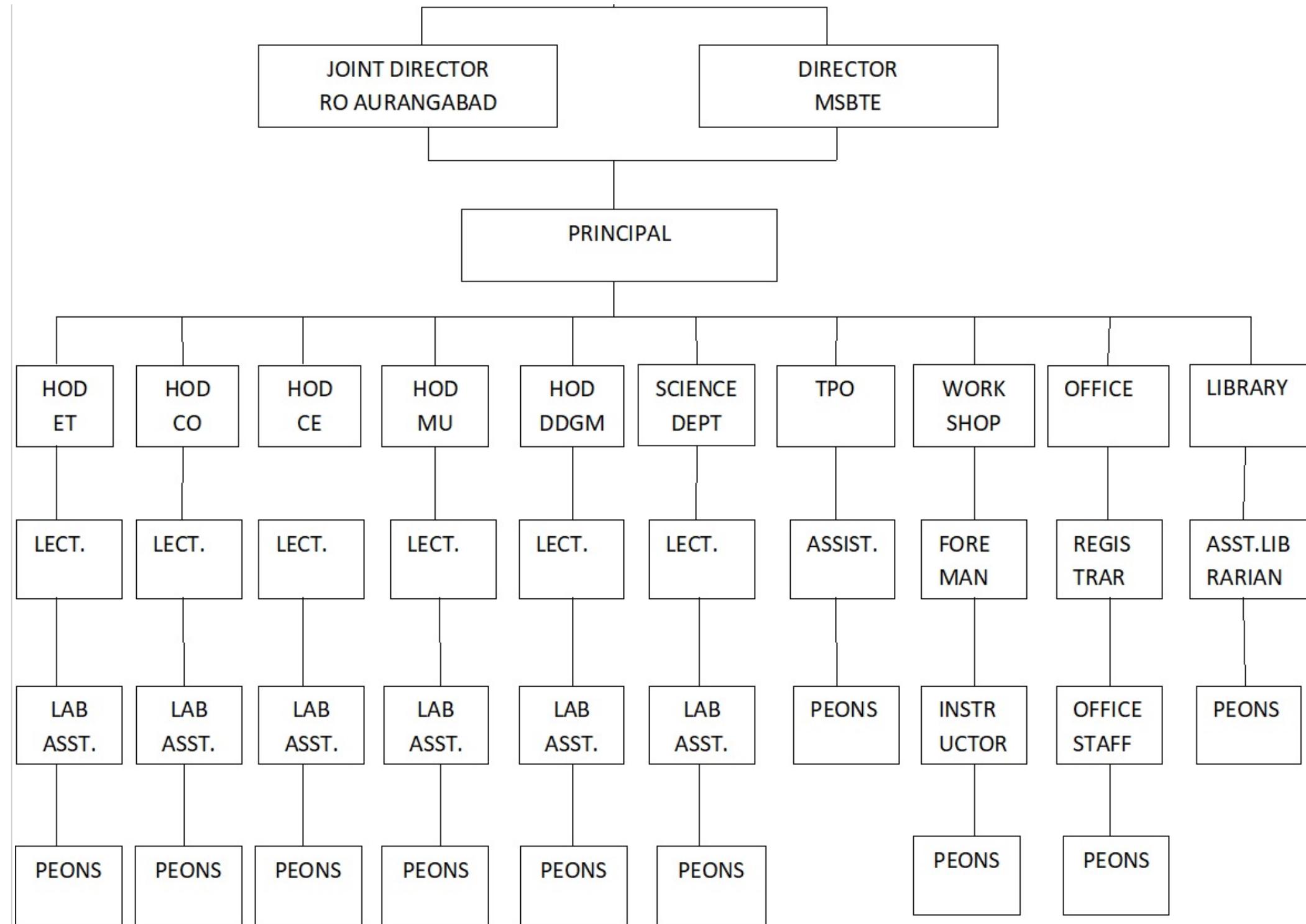


Fig 9.1 Administrative set up of Government Residential Women's Polytechnic, Latur

Roles and Responsibilities

I. Principal

Role: Institute Head, Manager/executive responsible for all academic & administrative processes of the institute. Drawing and disbursing authority of the institute.

Responsibilities:

1. Academic and administrative management of the institution.
2. Policy planning and providing academic and administrative leadership.
3. Monitoring and Evaluation of academic activities.
4. Promotion of industry-institution interaction and Research and Development.
5. Organizing and coordinating consultancy services.
6. Participation in policy planning at the Regional/ National level for development of technical education.
7. Promoting and coordinating continuing education activities. The above mentioned job responsibilities will be reviewed by Government from time to time.

II. Head of the Department

Role: Department Manager/executive responsible for all academic & administrative processes and functions. To support Head of institute in academic, administrative and managerial processes.

Responsibilities:

1. Head of Department is answerable to the Principal of the polytechnic for all academic and administrative/personnel activities of the department.
2. Academic and administrative management of the department.
3. Assessing the requirements of the material, financial and human effective implementation of prescribed curricula of program offered by the department.

4. Planning, scheduling, coordinating and monitoring the curriculum implementation pertaining to the department.
6. Responsible authority to perform academic, personnel and security functions and to maintain necessary records (like DSR) of the departmental assets in stipulated formats.
7. To act as facilitator for the departmental faculty in laboratory development, laboratory set-up, and laboratory maintenance
8. Provide motivation & guidance to faculty and other staff in the department.
9. Participate, motivate, guide & facilitate professional development through continuing education, testing and consultancy & research.
10. Identify and organize faculty and supporting staff development programs
12. Maintaining students attendance record submitted by lecturers and students evaluation record
13. Development and implementation of short term and long term plan for department development and quality improvement
14. Preparation of timetable and mobilization of teaching-learning resources.
15. Provide guidance & counseling and other student services at department level.
16. Plan, organize and facilitate industry visits and expert lectures.
17. To plan and implement the activities to take care of hygiene, safety and housekeeping in the department.
18. Take teaching load prescribed as per the norms issued from time to time by state government.
19. Evaluate the performance of the faculty and supporting staff.
20. Create, maintain and motivate cordial relations and team spirit in the team working under him/her & provide impartial opportunities for contribution to faculty & staff.
21. Promote, guide, facilitate and participate in professional activities through interaction with industries, consultancy, testing, continuing education and trainings, industry sponsored projects, entrepreneurship development.

III. Lecturer

Role: To implement, manage, coordinate and evaluate all academic functions i.e. conduct of theory, practical, term work and other functions to develop overall personality of the students also to support Head of the department in academic and administrative processes.

Responsibilities:

1. Lecturer is answerable to the Head of concerned Department
2. Effective implementation of curricula of the concerned course/ Program.
3. Planning and delivering class room and laboratory instructions.

4. Student's assessment and evaluation including tasks related with mid-term tests and term-end examinations.
5. Design and Development of learning resources
6. Planning, setting of laboratories
7. Guiding the concerned Lab Assistant in maintenance and repairs of laboratories and equipments concerned with the course/Courses
8. Laboratories and academic facilities development
9. Preparing and maintaining students' records for the academic term.
10. Plan and execute students development activities
11. Guidance and counseling to students
12. Participate in professional activities through interaction with industries, consultancy, testing, continuing education and trainings, industry sponsored projects, entrepreneurship development.
13. Assist Head of department in departmental activities and providing students services
14. Keep abreast of the newer knowledge, skills and technology through self-up gradation and dissemination of knowledge through articles, books, journals and seminars etc.
15. Self-development through qualification improvement, experience enrichment, professional activities and interactions with professional bodies.

IV. Workshop Superintendent

Role: To implement, manage, coordinate and evaluate all academic functions of workshop i.e. conduct of theory, practical, term work and other functions like utilization of men, machines and maintenance in the workshop to develop skills in the students and also to support Head of institute in administrative and managerial processes.

Responsibilities:

1. Workshop Superintendent is responsible to the principal in all matters concerned with the workshop instructors, proper utilization of human resources, materials, machines and maintenance in the workshops and provides services to various departments.
2. Plan, deliver and evaluate theoretical and workshop instructions.
3. Design, develop and test instructional material and task for skill Training.
4. Procurement, erection/installation and commissioning of plant and equipments.
5. Procurement and storage of raw materials, tools and instruments Guide student in the performance of practical tasks and exercises and evaluate their performance.
6. Advise and assist students and faculty members in the fabrication of their project work.

7. Participate in professional development activities.

V. Registrar

Role: To work as an Account Officer of the institute also to Support administrative

Functions of the institute.

Responsibilities:

1. Work as an Account officer of the institute.
2. Manage financial functions of the institute.
3. Monitor administrative functions of the institute.
4. Submit monthly/Quarterly/Annual detailed expenditure reports to directorate.
5. Prepare and submit annual budget of the institute to the competent Authorities.
6. Maintain transparency in administrative and financial functions of the institute.
7. Prepare and submit different types of bills to treasury such as Salary Bills of all Employees, Contingency Bills, GPF Bills, Medical Bills, Plan and non-plan Grants bills etc.
8. Prepare reports of expenditure of the institute and reconcile it with treasury and Account General of Government.
9. Maintain expenditure records such as Govt. and Non Govt. cash books, other Expenditure Registers up to date.
10. Monitor and recovery of temporary advances.
11. Disbursement of payments of supplies as per terms and conditions.
12. Co-ordinate expenditure of departments as per sanctioned budget.
13. To carry internal verification of the departments of the institute such as account Section, Library and other departments.
14. To prepare and submit store Account and participate in other activities of the Stores such as write off, audit etc.
15. Handle establishment related issues as and when required.

VI. Training and Placement Officer

Role: Performing a mix of career counseling and recruiting.

Responsibilities:

1. To correspond to prospective companies for interview date and schedule of events.
2. To arrange for interview and written test examination halls at the campus.
3. To receive the personnel and provide necessary inputs about the college and to Co-ordinate with placement coordinator for smooth functioning at various Locations (interview halls, written test halls, canteen etc.).
4. To coordinate with industry personnel for timely collection of the appointment Letters and their issuance to selected candidates as soon as the interview is over.
5. To distribute appointment letters and collect acceptance letters from the students and dispatch to HR department of company/industry.

B. Minutes of the meetings and action- taken reports (01)

The Governing body is functioning in the form of administrative set up. The Principal regularly attend meetings at Director and Joint Director Office at regional office for the policies decision. The Principal discuss the policies with the faculties and staff which are to be implemented. All academic & administrative policies implemented as per direction given by the Higher Authorities. whatever the decision are taken at higher level management get implemented by the lower level management.

C.The published service rules, policies and procedure with year of Publication (01)

Government Residential Women's Polytechnic, Latur is the institute of Government Of Maharashtra. The details of the rules & regulation imposed by state government is followed by this Institute.these are mentioned below:

1.Service Rules :

Following set of service rules constituted by Government of Maharashtra and amended time to time are applicable to all the staff.

- A) Maharashtra Civil Services (General Conditions of Services) Rules, 1979.
- B) Maharashtra Civil Services (Pay) Rules, 1981.
- C) Maharashtra Civil Services (Joining Time, Foreign Service and Payments during Suspension, Dismissal and Removal) Rules, 1981.
- D) Maharashtra Civil Services (Leave) Rules, 1981.
- E) Maharashtra Civil Services (Pension) Rules, 1982.
- F) Maharashtra Civil Services (Honoria, Fees, Compensatory, local and House Rent Allowances) Rules, 1984.
- G) Maharashtra Civil Services (Travelling Allowances) Rules, 1984.

2. Recruitment Rules and Recruitment:

A) In exercise of the powers conferred by the provision to article 309 of the Constitution of India and in supersession of all the existing rules, orders or instruments made in this behalf, excepting the Government Resolutions (1) Higher and Technical Education and Employment Department No. PTI. 2089/(1516)/TE-2, dated 24th December 1992 and Government Resolution, Higher and Technical Education Department No. Misci.2801/(245/05)/TE-2, dated 2nd June 2008 the Governor of Maharashtra framed following rules under the Directorate of Technical Education in the Higher and Technical Education Department of the Government, called- "The Principal, Government Polytechnic, Principal, Hotel Management and Catering Technology, Head of Department in Engineering Disciplines or Workshop Superintendent (Head of Department Level) in Government Polytechnic, Head of Department in Non-Engineering Disciplines, Head of Department in Hotel Management and Catering Technology, Lecturer in Various Engineering Disciplines or System Analysts or Workshop Superintendent (lecturer level) or Controller of Examinations in Government Polytechnic or Maharashtra State Board of Technical Education, Lecturer in Various Non-engineering Disciplines, Lecturer in Hotel Management and Catering Technology in the Maharashtra Polytechnic Services in Group "A" under the Directorate of Technical Education in the Higher and Technical Education Department (Recruitment) Rules, 2008".

B) Recruitment of teaching staff mentioned in above paragraph is done by Maharashtra Public Service Commission (MPSC). It is a Constitutional Body established Under Article 315 of Constitution of India which provides a smooth and efficient functioning of the Government of Maharashtra by providing suitable candidates for various posts.

3.Promotional Policies :

The carrier Advancement Scheme of AICTE is applicable to teaching staff as per AICTE Notification F. No. 37-3/Legal/2010, dated 5th March, 2010 for diploma education of this institute. Government of Maharashtra Higher & Technical Education Department issued a Government Resolution No. SPC-2010/(34/10)/TE-2 Mantralaya Annexes', Mumbai – 400 032 Dated 20th August, 2010 and Government Resolution No.: CAS-2013/ (32/13)/TE-2Mantralaya Annex, Mumbai- 400 032 Date: 17th October, 2015 recently for implementation of CAS.

D. Extent of awareness among the employees/students (01)

The Employees are aware of role and responsibilities of their job through service rules and policies. Students are aware of fees structure, curriculum, scholarships and examination schedules as per MSBTE academic calendar and DTE's website.

9.1.3 Decentralization in working and grievance redressal mechanism (5)

Institute Marks

5.00

A. List the names of the Faculty members who have been delegated powers for taking administrative decisions (02)

In every academic year the various activities are assigned to faculties of the various departments by the head of institute. The exhaustive list of duties and responsibilities performed by faculties of various departments is shown in the following table.

Duties and Responsibilities performed by Faculty members.

Sr.No	2016-17	2017-18	2018-2019	2019-20
1	Shri. Laturkar Anil Shamrao , Head of Dept. Electronics and Communication			
	1.Nil	2.Nil	1.Worked as AICTE Co-ordinator	1.Worked as AICTE Co-ordinator
	2.Nil	2.Nil	2.Officer Incharge DC-136 Winter 2018 W- 18 exam.	2.Officer Incharge DC-136 Summer 2019 .s-19 Exam.
2	Shri.Indrajit Shankarrao Awale, Sr.Lecturer in Electronics & Communication.			
	Worked As. 1. Date 26/08/2016 Incharge worked As - 1.Academic HOD of ET Eept. (Two Coordinator of the Institute. Months)		Worked As -1 Academic Coordinator of the Institute.	Worked As - 1.Academic Coordinator of the Institute.
	2.Controller for Institute of Library &Adminstration (for full year)	2.Examiner &Moderator for evaluation of answ. Sheet of RAC	2.Incharge HOD of ET Dept, in the absence of Regular Hod. Of ET Dept.	2.Incharge HOD & ET Eept, in the absence of Regular HOD of ET.
	3.Officer In.charge for first year Admission committee	3.Incharge HOD of ET Dept, in the absence of Regular Hod. Of ET Dept.	3.Member Secretory of the committee &Interview of visiting Lecturer	3.Member Secretory of the committee &Interview of visiting Lecturer
	4.Incharge Principal (One time) in the absence of Regular Principal. Chairman of Inquiry committee at institute level(confidential)	4.Member Secretory of the committee &Interview of visiting Lecturer	4.Planing of Internal &External Academic Monitoring of all Dept.	4.Planing of Internal &External Academic Monitoring of all Dept.
	5.Chairman of the confidential Inquiry committee (two times)at institute level.	5.Planing of Internal &External Academic Monitoring of all Dept.	5.Examiner and Moderator for RAC	5.Examiner and Moderator for RAC

	6.Examiner for Evaluation of answer sheet in RAC	6.Planning of practical Exam and allotment of Dept. wise marksheets of Dept. wise marksheet & submission to & submission to MSBTE	6.Planning of practical Exam and allotment of Dept. wise marksheets of Dept. wise marksheet & submission to MSBTE	6.Planning of practical Exam and allotment of Dept. wise marksheets & submission to MSBTE
	7.Mooderator and Officer-Incharge for RAC	7.Electronic Subject Expert for interview of staff at Vishvishwarya Polytechnic, Almala.	7.Chairman of the chess committee for IEDSSA State Level Games.	7.Member of NBA for Dept.of ET.
	8.Worked as Chairman of the Birth Celebration Committee.	8.Chairman of the Birth Celebration Committee.		
3	Shri. Anil Govindrao Badade, Sr. Lecturer in Electronics & Communication.			
	1. Officer Incharge for MSBTE Board Examination	1. Officer Incharge for MSBTE Board Examination (W-17)	1.I/C Head for Medical Electronics Department	1.I/C Head for Medical Electronics Department
	2.Co-Ordinator for Tree plantation in the campus	2.Co-Ordinator for Tree plantation.in the Campus	2.NBA Co-ordinator Institute level.	2.NBA Co-ordinator Institute level.
	3.T.P.O.for Institute Level	3.T.P.O.for Institute Level	3.Co-Ordinator for tree plantation.in the Campus	3.Co-Ordinator for tree plantation.in the Campus
		4.Campus Development Officer.	4.Chief Exam Officer for Board MSBTE Exam.	4.Chief Exam Officer for Board MSBTE Exam.
			5.Campus Development Officer	5.Campus Development Officer
4	Mrs. Seema Ajay Agarkar, Lecturer in Electronics & Communication.			
	1.EDP Chief. Co-ordinator Institute Level.	1.EDP Chief. Co-ordinator Institute Level.	1.EDP Chief. Co-ordinator Institute Level.	1.CDTP Incharge
	2.Chief Co-ordinator Vishakha (विशाखा) Committee.	2.Vigilance Squad Committee Member W-17 Exam.	2.Departmental Industry Visit Expert Lecturer Incharge	2.Mess Incharge.
	3.Rector, G.R.W.P.L. Girls Hostels.	3.Scrutiny Committee Member, First Year Addmission.	3.Internal Vigilance Squad Member M.S.B.T.E Exam.	3.ECO Club Incharge.
	4.Departmental Academic Co-ordinator (ET)	4.Chief Co-ordinator Internal Vigilance Squal W-17 Exam.	4.Co-Ordinator District Level Competition on Urja Bachat with MEDA	4.Departmental In -Plant Training Incharge

5. Departmental Industry Visit Expert Lecture Incharge	5. Internal Monitoring Committee Member.	5. Visiting Lecturer Interview Ladies Representative	5. Internal Monitoring Committee Member.
6. Student Grievance Cell Incharge	6. Student Grievance Cell Incharge	6. Student Grievance Cell Incharge	6. Student Grievance Cell Incharge
7. Departmental Co-ordinator in MSBTE sponsord Regional level poodject competition	7. visiting lecturer Interview committee Member & Rector GRWPL Girls Hostels	7. Co-ordinator Tech.Education Guidance Meeting 2019 & Badminton Committee Incharge IEDSSA	7. Co-ordinator Online I Scheme Orientation Programme.counseleing committee Member First Year Addmission Committee.
8. Committee Incharge Rangoli Competition Beti Bacho- Beti Padhao	8. Welcome committee Incharge cultural Programme.	8. Supervisor Quality Control RAC	8. Supervisor Quality Control RAC
9. Anti Ragging Committee Member	9. Departmental project Co-ordinator	9. Anti Ragging Committee Member	9. Supervisor Quality Control RAC
10. Accessor and Moderator RAC	10. Accessor and Moderator RAC	10. Mentor In-Plant Training	10. Committee Member Campus Placement Philips
5	Smt.Renuka V. Mahagaonkar , Lecturer in Electronics & Communication.		
	1.R.T.I. Officer	1.R.T.I. Officer	1.R.T.I. Officer
	2.Alternate Rector	2.Warden &Assistant Rector	2.Assistant Rector
	3.Cherman Fimal Complane Committee	3.Derect Second Year Admission Committee Member.	3.Summer Theory Exam 2019 Sealing Supervisor.
6	Smt. Bhandare Anita Subhash , Lecturer in Electronics & Communication.		
	1.Alternative Wardan	1.Regular Wardan	1.Regular Wardan
	2.Jimkhana Member	2. E.D.C Cell Incharge	2.E.D.C. Cell Incharge
	2.R.A.C. (Supervisor) Winter 2017	3.Gymkhana Member	3.Gymkhana Member
	4.R.A.C. (Supervisor) Summer 2019		
7	Mr.Pradeep Manikrao Kudale , Lecturer in Electronics & Communication.		
	1.Admission Committee Member 2016-17	1.Direct Second Year Admission Committee Member	1.R.T.I. Officer Institute Level
			1.R.T.I. Officer Institute Level

2.Chairman,Dr.Panjabrao Deshmukh ,Rajarshi Shahu Maharaj Scholership Application Verification Committee.	2.Libarary Verification Committee Member.	2.Scholarship Application Verification Committee Member	2.Department Academic Co-Ordinator
3.District Panchayat Election 2016-17 as Master Trainer.	3.Internal Monitoring Committee Member	3.Libarary Verification Committee Member.	3.Exam controller for Winter 19
4.District Panchayat Election, Latur as assistant Counting Officer.	4.Exam controller for Winter 2017.	4.Hall Supervisor for exam winter 2018	4.Internal Monitoring Committee Member.
5.IDSSA Zonal Orgnising Committee Member.	5.Quality Controller For RAC Winter 2017	5.Copy Case Enquiry Committee Member for Winter 2018	5.Loksabha ,assembly elction 2019 as Master Trainer.
6.Gathering Orgnising Committee Member.	6.IDSSA Orgnizing Committee Member.	6.Loksabha ,assembly election 2019 as Master Trainer.	6.Vidhan Sabha election 2019 as Master Trainer.
7.Institute Magzine Committee Member.			7.As a Counting Assisstant for vidhan sabha election.
8.As Supervisor for MPSC exam conducted for grade C	7.Hall Superviser For winter Exam2017	7.Department Academic Co-Ordinator.	8.Scholarship Application Verification Committee Member(Mahadbt)
9.As exam Controller for Summer 2016-17.			
8 Ms. Anita Pilaji Ghode, Lecturer in Electronics & Communication.			
1.Departmental Co-ordinator for online sessional Test	1.External exam Controller in 0136 exam Winter.	1.Work as Mentor for industrial training Students	1.Work as master Trainer ITPowai "Solar Lamp Development Workshop
2.Work as Supervisor in 0136 RAC summer	2.Work as Supervisor in 0136 RAC winter	2.Work as assessor in 0136 RAC summer	2.Co-ordinator in student Solar Ambassador Workshop
3.0136 Exam (Summer) Hall Supervisior	3.Member in Internal Monitoring Committee		3.Co-Ordinator for Aurdiumo Workshop
	4.0136 Exam (Winter) Hall Supervisor	3.Hostel Wordan	4.Co-ordinator Departmental Practical.
4.Night Worden at Hostel	5.Internal Store Verification Committee Member.		5.Co-ordinator Institute Practical. examination
			6.Departmental Activity New Computer Installation&Prepration of Swftwar report.

9 Ms Rupali Dhanyakumar Kasar , Lecturer in Computer Engineering.

1.AICTE Approval Process	1.AICTE Approval Process	1.AICTE Approval Process	1.AICTE Approval Process
2.DTE,AISHE Approval Process	2.DTE,AISHE Approval Process	2.DTE,AISHE Approval Process	2.DTE,AISHE Approval Process
3.First Year Admission online Document Verification	3.Second sessional online Exam Incharge.	3.Additional Officer RAC Summer &Winter.	3.Additional Officer RAC Summer & Winter.
4.MIS Co-Ordinator	4.MIS Co-Ordinator	4.Departmental Practical summer &Winter exam Incharge.	4.Departmental Practical summer & Winter exam Incharge.
5.RAC Quality Control Officer	5.RAC Quality Control Officer	5.RAC Quality Control Officer Incharge	5.Institute Sports (Kabaddi) Incharge.
6.Online Exam CMF Institute Co-ordinator	6.CMF Online Exam.committee Member	6.I.E.D.S.S.A.Registration Committee Member	6.Institute ISTE Member Registration.
7.Computer Dept Sessional Exam. Incharge.	7.Computer Dept Sessional Exam. Incharge.	7.Visiting Lecturer Appointment Committee Member.	7.Computer Dept.Hostel Warden.
8.Winter Exam.MSBTE Paper Setter.	8.Computer Dept.Hostel Warden.	8.New Computer Testing Member.	
9.Computer Dept.Hostel Warden.	9.MSBTE Exam. Paper Moderator.	9.Department industrial Visit Co-ordinator.	8.Visiting Lecturer Selection Committee
10.Summer 2017online Exam Co-ordinator	10.Industrial Visit Incharge.	7.Computer Dept.Hostel Warden.	
	11.Computer Dept. Academic Monitoring Work	11.MSBTE Paper setting Moderator.	

10 Ms Madhubala Gangadhar Mulge, Lecturer in Computer Engineering.

1.MSBTE Online Exam. Co-ordinator at Institute Level	1.MSBTE Online Exam. Co-ordinator at Institute Level	1.MSBTE Online Exam. Co-ordinator at Institute Level	1.Baseline & MSBTE Online Exam. Co-ordinator at Institute Level
2.AICTE Approval Committee Member.	2.AICTE Approval Committee Member.	2.Nil	2.Nil
3.Institute Website update/Maintain Work			
4.RAC Win-16 Sum-17 Quality Controller	4.RAC Paper Asseser and Moderator	4.Nil	4.Nil

5.Mous, Expert Lect. Co-ordinator of Computer Dept.	5.MSBTE Theory Exam -Sealing Supervisor	5.MSBTE Theory Exam -Sealing Supervisor 5.Nil 6.Nil	5.MSBTE Theory Exam -Sealing Supervisor 5.Nil 6.IEDSSA State Level Sport Registration Team Member. 6..Nil
6.Academic Mon. Co-ordinator for Comp. Department.	7.MOU, Expert Lect. Co-ordinator of Computer Dept.	7.MOU, Expert Lect. Co-ordinator of Computer Dept.	7.MOU, Expert Lect. Co-ordinator of Computer Dept.

11 Smt. Hartalkar Sonali Arvind, Lecturer in Medical Electronics.

1.RAC Quality Control	1.D.C. Officer Incharge	1.D.C. Officer Incharge	1.D.C. Officer Incharge
2.Internal Squad for MSBTE Exam.	2.Internal Squad for MSBTE Exam.	2.Nil	2.Warden for Hostel
3.Warden for Hostel	3.Warden for Hostel	3.Warden for Hostel	
4.I Scheme Content designing member	4.Paper Setter for MSBTE	4.Paper Setter for MSBTE	3.Paper Setter for MSBTE
5.Paper Setter for MSBTE			

12 Shri.Dhulgande Chandrakant Kondibarao , Lecture in Mathematics.

1.Worked as Co-ordination in Admission Process	1.Worked as Co-ordinatior for Direct Second year Admission .	1.Worked as Member in Admission Committee .	1.I/C Head Science Department.
2.Sealing Supervisor inW-16 & S-17 Exam	2.Sealing Supervisor inW-17 & S-18 Exam	2.Sealing Supervisor inW-18 & S-19 Exam	2.Sealing Supervisor in winter 2019 Exam
3.Security Officer for the Institute	3.Mess Counsellor for Co-operative Mess, GRWP latur	3.Mess Counsellor for Co-operative Mess, GRWP latur	2.Worked as Member in Admission Committee.
4.Furniture Incharge.	4.Security Officer for the Institute	4.Security Officer for the Institute	4.Mess Counsellor for Co-operative Mess, GRWP latur
	5.Furniture Incharge.	5.Furniture Incharge.	5..Security Officer for the Institute

6.Furniture Incharge.

13 Shri.Ashish Ramrao Hasorikar, Lecturer in English.

1.First Year Admission Committee (Scrutiny Officer)	1.First Year Admission Committee (Head of Data Entry Committee.)	1.First Year Admission Committee (Head of Data Entry Committee.)	1.First Year Admission Committee (Co-ordinator)
2.Assistant to Institute Academic Co-ordinator	2. Science Dept. Academic Co-ordinator	2. Science Dept. Academic Co-ordinator	2. Science Dept. Academic Co-ordinator
3.Gymkhana Assistant	3.Gymkhana Assistant	3.Gymkhana Vice President.	3.Gymkhana Vice President.
4.Additional Officer in Charge (moderation R.A.C.)	4.Additional Officer in Charge (moderation R.A.C.)	4.Additional Officer in Charge (moderation R.A.C.)	4.Additional Officer in Charge (moderation R.A.C.)
5.Invigilator Board Exam.	5.Invigilator Board Exam.	5.Invigilator Board Exam.	5.Invigilator Board Exam.
6.Member Woman Grievance Committee.	6.Member Woman Grievance Committee.	6.Member Woman Grievance Committee.	6.Member Woman Grievance Committee.
	7.Flag Hoisting Team Head	7.Flag Hoisting Team Head	7.Flag Hoisting Team Head
	8.Subject Expert Selection of Eng. Visiting Lecturer.	8.Subject Expert Selection of Eng. Visiting Lecturer.	8.Subject Expert Selection of Eng. Visiting Lecturer.
7.Master Trainer Panchayat Election 2017	9.Store Scrutini Member.	9.Store Scrutini Head.	9.Store Scrutini Head.
		10 Interzonal Sports Tournament 2019 Coordinator	
	10.Scholarship form Scrutiny Officer.	11. Presiding Officer Parliamentry Election 2019	10.Scholarship form Scrutiny Officer.
		12.Scholarship form Scrutiny Officer.	

14 Shri. Rathod Jairam Chandu, Lecturer in Mech Enggining, Incharge HOD Civil Department.

1.Nil	1.Worked as a member of IMC of various Department 2017-18.	1.Worked as a coordinator of Enterpreneurship program.	1.Worked as a Incharge HOD of Civil Dept.
	2.Worked as a Member of Magazin Academic Year 2017-18	2. Worked as a member of Career fair program.	2.Worked as a library incharge.
	3.Worked as a member of Institute magazine committee.	3.Worked as a member of I scheme curriculum orientation program.	3.Worked as a member of Internal monitoring committee.
	4. Worked as a controller in DC.	4.Worked as a member of admission committee.	4.Worked as a member of admission committee.

	5.Worked as a master trainer in latur lok sabha election.	5.Participate in entrepreneurship programme as co-ordinator.	5.Worked as a member of RAC committee.
15	Shri.Kakade Reonnath Babanrao, Lecturer in Electrical Engineering.		
	1.Member of Great Man Anniversary & Death Anniversary Committee.	1.Security Incharge Officer.	1.Security Incharge Officer.
	2.D.C. Incharge.	2.D.C. Incharge.	2.Training and Placement Officer.
	3.R.A.C. Member.	3.R.A.C. Member.	3.D.C. Incharge.
	4.Electrical Maintenance officer.	4.College Electrical Maintenance officer. 5.Member of National / State Hero Anniversary Committee. 6.Member of Ganesha Immersion Committee.	4.College Electrical Maintenance officer. 5.Incharge National / State Hero Anniversary Committee. 6.Member of Ganesha Immersion Committee.
16	Ms Nivedita Bharat Khadke, Lecturer in Chemistry, Science Dept.		
	1.Nil	1.Team Member in Admission -2018 2.Team Member in winter -2018 Exam 3. Team Member in Online Winter - 2018 Exam. 4.Night Warden for Hostel	1.Team Member in Admission -2019 2.Team Member in summer -2019 Exam 3. Team Member in Online Winter - 2019 Exam. 4.Night Warden for Hostel
17	Smt.Kotalkar Ranjita V, Lecturer in Physics, Science Dept.		
	1.Hostel Warden 2.Admission Committee Member	1.Hostel Warden 2.Nodal Officer 3.Admission committee Member 4.Admission committee Member	1.Hostel Warden 2.Nodal Officer 3.Admission committee Member 4.Admission committee Member
18	Smt.Chincholkar Shital, Lecturer in Electronics and Communication		3.Baseline Co-Ordinator.

1.Direct Second Year Diploma Admission Committee 2016-2017 Co-ordinator responsibility performed successfully.	1.Direct Second Year Diploma Admission Committee 2017-2018 Co-coordinator responsibility performed successfully.	1.Direct Second Year Diploma Admission Committee 2017-2018 Co-coordinator responsibility performed successfully.	1.Department NBA Prequalifer compiled and filled online.
2.First Year Diploma Admission Committee 2016-2017 original document verification responsibility performed successfully.	2.MSBTE Summer-2017 Theory Exam Sealing Supervisor responsibility performed successfully.	2.ET and MU department students warden duties performed successfully.	2.NBA criterion 2 work completed 100 %
3.MSBTE Winter -2016 Theory Exam Sealing Supervisor responsibility performed successfully.	3. IEDSSA-2018 Table Tennis committee Head responsibility performed successfully.	3.For DDGM department Second Internal Monitoring Committee member duty performed successfully.	3.NBA criterion 3 CO- PO mapping and CO attainment work completed.
4.MSBTE Summer -2017 Theory Exam Sealing Supervisor responsibility performed successfully.	4.Second year students hostel " Nandanvan" warden duty performed successfully.	4.Annual Cultural Program Dance Committee member responsibility performed successfully.	4.MSBTE Wnter-2019 Theory Exam Internal Squad Head responsibility performed successfully.
5.For Winter-2016, Summer-2017 RAC Assessor and Moderator duties performed successfully.	5.For Science department Second Internal Monitoring Committee member duty performed successfully.	5.Department Write-off responsibility performed successfully.	5.ET department students warden duties performed successfully.
6.IEDSSA-2017 Table Tennis committee Head responsibility performed successfully.	6.MSBTE Winter-2017 Theory Exam Hall Supervisor duties performed successfully.	6.Science department stock verification duty completed successfully.	6.IEDSSA-2018 Volley ball committee Head responsibility performed successfully.
7.ET department students warden duties performed successfully.	7.For Winter-2017, Summer-2018 RAC Assessor and Moderator duties performed successfully.	7.One expert Lecture organised for department students successfully 1. "Tele Communication Technologies" by Mr. Sandip S. Shastri Junior Telcom Officer, Bharat Sanchar Nigam Limited,Latur	7.For CO department Second Internal Monitoring Commette member duty performed successfully.
8.DDGM department stock verification duties completed successfully.	8.I- Scheme Curriculum Implementation Program Committee member duties performed successfully.	8.For RAC Winter-2018,Summer-2019 performed duties of Assessor and Moderator successfully	8.Health Camp program committee member duties performed successfully.

9. Department Academic Co-ordinator responsibility completed	9. Annual Cultural Programm Dance Committee member responsibility performed successfully.	9. Department laboratory -1 Lab- Incharge responsibility performed successfully.	9. Annual Cultural Programm Dance Committee member responsibility performed successfully.
10. Two Industrial visits duties for department students performed successfully 1. Malwadkar Write-off responsibility performed Agency , MIDC,Latur , 2. Mahanand Milk Dairy, MIDC,Latur	10. Departmrnt all laboratories 1. Malwadkar Write-off responsibility performed successfully.	10. MSBTE External OR/PR Examiner duties completed successfully.	10. Electronics AND Comm. Engg. Department ALUMNI MEET -2019 program Co-coordinator duties performed successfully.
11. One expert Lecture organised for department students successfully 1. Image Processing by Dr. K.M. Bakwad, HOD Electronics Engg. Dept. P.L.G.P,Latur.	11. Six Industrial visits duties for department students performed successfully 1. Sunrich Aqua plant, MIDC Latur 2. Nana Gas Plant, MIDC, Latur 3. TV receiving Center, Osmanabad 4. All India Redio, Osmanabad 5. Latur Cable Network,Latur 6. Uma udyog,MIDC,Latur	11. MSBTE External OR/PR Examiner duties completed successfully.	11. Two expert Lecture organised for department students successfully 1." Artificial Intelligence" by Mr. Ishwar H. Chincholkar Software Engineer, Nuance Communication,Pune 2. "STEP" by Mr.B. Ganesh Director,Thought works Technology Pvt.Ltd, Pune
12. For RAC Winter-2016,Summer-2017 performed duties of Assessor and Moderator successfully	12. One expert Lecture organised for department students successfully 1." Day to Day Economics" by Dr. S.S. Kondekar School of Economics, S.R.T.M.University, Extension center, Latur	12. One Industrial visits duties for department students performed successfully 1. BSNL ,latur	One Industrial visits duties for department students performed successfully 1. Arty OffSet,MIDC,latur
13. MSBTE External OR/PR Examiner duties completed successfully.	13. MSBTE External OR/PR Examiner duties completed successfully.		12. Department Sessional Test Co-ordinator responsibility completed successfully.
14. Department laboratory -1 Lab- Incharge responsibility performed successfully.	14. Department laboratory -1 Lab-Incharge responsibility performed successfully.		13. Department received equipments /kits testing duty completed successfully.

[03 Hostels with 700 girl resident students]	[03 Hostels with 700 girl resident students]	[03 Hostels with 700 girl resident students]
Safety, health, hygiene care	Safety, health, hygiene, care, festivals	Safety, health, hygiene, care, festivals
[since 23/03/2018]		
Water supply, Maintenance of Hostels and premises	Water supply, Maintenance of Hostels and premises	Water supply, Maintenance of Hostels and premises
Counselling of students	Counselling of students, personality development programs [04]	Counselling of students, personality development programs [09]
Counselling of students before exams	Counselling of students before exams	Counselling of students before exams
Internal Exam Squad In-charge		Officer in-charge Winter- 19 Theory exam
External flying squad member [S-18]	Sessional in-charge [EVEN sem]	Co-ordinator: Solar lamp Assembly Workshop, organized by IIT Bombay
	IEDSSA Zone 2 Sports at GP Hingoli	Co-ordinator: IOT using Arduino workshop
	IEDSSA Inter Zonal residence arrangement for 500+ girls, team members	NBA Criteria 7
		02 Karate Camps [11 Days]
		Phase I [100+]
		Phase II [70+]
		trained
		Studied 02 NPTEL Courses [08 week and 12 week]
		MOUs with two industries

19 Shri Abhay Dipak Ambure , Lecturer in Computer Engineering.

Nil	NII	Nil	<ol style="list-style-type: none">1.Co-ordinator :On line class test.2.Co-ordinator :On line theory examination3.Co-ordinator : Baseline test (MSBTE)4.Co-ordinator: COMET website.5. Worked as a Incharge registrar.6.Worked as a academic dispute committee member.
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20 Smt. Anuradha Narayanrao Yadav , Lecturer in Dress designining and garment Manufacturing.

1.I/C Head of Department	1.I/C Head of Department	1.I/C Head of Department	1.I/C Head of Department
2.RAC Officer in charge	2.RAC Officer in charge	2.RAC Officer in charge	2.RAC Officer in charge
3.Admission Officer in charge	3.Admission Officer in charge	3.Admission Officer in charge	3.MSBTE paper setter
4.MSBTE paper setter	4.MSBTE paper setter	4.MSBTE paper setter	

B.Specify the mechanism and composition of the grievance redressal cell including Anti Ragging Committee & Sexual Harassment Committee (03)

Grievance redressal committee is working to resolve the problems of Students. Various issues of students related to Academics, Health and Hygiene, Drinking Water problems, etc are considered on priority basis and the problems in this regard are solved as soon as possible. Student grievances and councelling committee is formed as shown in below office order.



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT. RESI. WOMEN'S POLYTECHNIC,
BARSHI ROAD, LATUR- 413 531

Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175
E-mail : office.grpvlatur@dtmh.maharashtra.gov.in, 0136principal@msbte.com,
DTE Code No.:2016 0136office@msbte.com MSBTE Code No.:0136



Office Order

Outword No.Est/2019/1010B

Date- 02/07/2019

Student Grievance and Counseling Committee

Following committee is reframed and will come into effect from dated on 02-07-2019.

Sr. No	Name	Designation	Contact	Email Id	Position
1	Dr. S.D.Yardi	Lecturer in Electronics /Rector	9819851259	seemady@gmail.com	Chairman
2	Ms.R.D.Kasar	Lecturer in Computer/ Warden	9422070017	rupalikasar1@gmail.com	Member
3	Mrs.S.A.Hartalkar	Lecturer in Medical Electronics/ Warden	9422641036	bestsonali@rediffmail.com	Member
4	Mrs.A.S.Bhandare	Lecturer in Electronics/ Warden	7588389382	anitabhandare@rediffmail.com	Member
5	Mrs.R.V.Kotalkar	Lecturer in Physics /Warden	8888882802	ranjitsawaghmare@rediffmail.com	Member
6	Mrs.A.S. Patil	Lecturer in Computer/ Warden	7038944434	ajitapatil89@gmail.com	Member

[Dr.A.M.Agarkar]

Principal

Govt. Residential Women's Polytechnic
Latur

Copy to -Concerned Members for information.

Student counseling cell is formed as shown in below office order.



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT. RESI. WOMEN'S POLYTECHNIC,

BARSHI ROAD, LATUR- 413 531

Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175

E-mail : office.gwplatur@dtmhaharashtra.gov.in 0136principal@msbte.com

DTE Code No.:2016 0136office@msbte.com MSBTE Code No.:0136



Office Order

Outward No.Est/2019/1010H

Date- 01/07/2019

Students' Counseling Cell

Ref:- AICTE Process Handbook 2019-20.

Students' Counseling Cell at institute level is formed with effect from 01-07-2019.

Sr. No	Officers Name	Designation	Name of the Post in committee
1.	Dr.A.M.Agarkar	Principal	Chairman
2.	Dr.S.D.Yardi	Lect.in Electronics & Rector	Secretary
3.	Mrs.A.N.Yadav	Lect.in DDGM	Member
4.	Ku.R.D.Kasar	Lect.in Computer	Member
5.	Mrs.R.V.Mahagaonkar	Lect.in Electronics	Member
6.	Mrs.S.A.Hartalkar	Lect.in Medical Electronics	Member
7.	Mrs.R.V.Kotalkar	Lect.in Physics	Member
8.	Mrs.S.S.Shirallu	Lab Assistant	Member
9	Ms. Akshata Garad	Third Year Student (MU)	Member
10	Ms. Supriya Dhotre	Third Year Student (ET)	Member
11	Dr.Priti V Reddy	Medical Practitioner	Medical Counsellor

[Dr.A.M.Agarkar]

Principal

Govt. Residential Women's Polytechnic
Latur

Copy to -Concerned Members for information.

Anti-Ragging Committee:

As per prohibition of ragging act 1999 Institute is taking due care to Prohibit the ragging of the students. An anti-ragging committee has

Formed to take care of this issue.

Anti ragging committiee is shown in below office order.



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT. RESI. WOMEN'S POLYTECHNIC,

BARSHI ROAD, LATUR- 413 531

Tel (02382) 221184 (O), 221175 (P), Fax- 02382-221175

E-mail : office.grwpalatur@dtetmaharashtra.gov.in, 0136principal@msbte.com,

DTE Code No.:2016

0136office@msbte.com

MSBTE Code No.:0136

Office Order

Outward No. Est/2019/1010-F

Date- 02/07/2019



20 Years of Excellence
Govt. Residential Women's Polytechnic

Anti-Ragging Committee

Following committee is reframed and will come into effect from dated on 02/07/2019

Sr. No	Name	Designation	Contact	Email Id	Position
1	Dr.A.M.Agarkar	Principal	9422882156	ajayagarkar@rediffmail.com & 0136principal@msbte.com	Chairman
2	Dr.S.D.Yardi	Hostel Rector	9819851259	seemady@gmail.com	Secretary
3	Mr. A.S.Laturkar	HOD (Electronics & Comm)	9422964545	aslaturkar14@gmail.com	Member Secretary
4	Mrs. A.N.Yadao	I/C HOD DDGM	9420577168	anu.kachare@rediffmail.com	Member
5	Dr. Kusumtai More	Retd. Principal, Jaikrant College, Latur	9422016608	kusummore@gmail.com	Member
6	Mr.Santosh Shinde	Sub-Editor, Punyanagari, Latur Local Media Representative	9975595337	sshinde.punya@gmail.com	Member
7.	Miss. Aishwarya Solunke	Student Representative (Senior)	9049386095	solunkeaisjwaryasuresh@gmail.com	Member
8	Miss. Pratibha Gund	Student Representative (Fresher)	8308465677	gundpratibha49@gmail.com	Member
9.	Dr. Nandkumar Solunke	Parents Representative	9423349213	dr.solunke2016@gmail.com	Member

[Dr.A.M.Agarkar]

Principal

Govt. Residential Women's Polytechnic
Latur

Copy to – Concerned Members for information.

Anti ragging Squad committee is shown in below office order.



शासकीय निवारी महिला तंत्रनिकेतन, लातूर

GOVT. RESI. WOMEN'S POLYTECHNIC,

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DTE Code No.:2016 0136office@msbte.com MSBTE Code No.:0136



Office Order

Outword No.Est/2019/1010D
Date- 02/07/2019

Anti-Ragging Squad

Following committee is reframed and will come into effect from dated on 02-07-2019.

Sr. No.	Name	Designation	Contact	Email Id	Position
01	Dr. A.M. Agarkar	Principal	9422882156	njayagarkar@rediffmail.com	Chairman
02	Mr. A.S.Laturkar	HOD Electronics	9422964545	aslaturkar14@gmail.com	Senior Faculty Member
03	Mr. C.K.Dhulgunde	Lecturer in Mathematics	9766432425	ckdhulgunde@gmail.com	Senior Faculty Member
04	Mrs. R.V.Mahagaonkar	Lecturer in Electronics/ Alternative Hostel Rector	8208952784	renuka2209@gmail.com	Member
05	Ms.N.B.Khadke	Lecturer in Chemistry/ Warden	9881153705	nivi.khadke@gmail.com	Member Secretary
06	Mrs. A.P. Ghode	Lecturer in Electronics/ Warden	9763354003	anita.ghode@rediffmail.com	Member

[Dr.A.M.Agarkar]

I/C Principal

Govt. Residential Women's Polytechnic
Latur

Copy to -Concerned staff Members for information.

Women Grievance redressal committee:

This committee takes care of various issues related to the girls students and Women employees of the Institute.

Vishakha committee will take care of all issues related with the students and Women employees is shown in below office order.



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT. RESI. WOMEN'S POLYTECHNIC,
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DTE Code No.:2016 0136office@msbte.com MSBTE Code No.:0136



Office Order

Outward No.Est/2018/998

Date- 21/06/2018

Vishakha Committee

Following committee is reframed and will come into effect from dated on 21/06/2018

Sr.No	Name	Designation	Contact	Position
1	Dr. A. M. Agarkar	Principal	9422882156	Chairman
2	Dr. S. D. Yardi	Lecturer in Electronics & Hostel Rector	9819851259	Member Secretary
3	Mrs. R. V. Mahagaonkar	Lecturer in Electronics & Deputy Rector	9422023737	Member
4	Mrs. Prerna Reddy	NGO Representative	9421373215	Member
5	Ms. M. G. Mulge	Lecturer in Computer	9325568028	Member
6	Mrs. S. N. Shinde	Lecturer in DDGM	9422028682	Member
7.	Mr. A. R. Hasorikar	Lecturer in English	7588813290	Member
8	Mr. C. K. Dhulgunde	Lecturer in Maths	9766432425	Member
9.	Ms. S. J. Doifode	Senior Cleck	9420375059	Member

[Dr.A.M.Agarkar]

Principal

Govt. Residential Women's Polytechnic
Latur

Copy to – Concerned Members for information.

SC-ST cell is formed in the institute to take care of all related problems is shown in below office order.



शासकीय निवासी महिला तंत्रनिकेतन, लातूर

GOVT. RESI. WOMEN'S POLYTECHNIC,

BARSHI ROAD, LATUR- 413 531

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DTE Code No.:2016

0136office@msbte.com

MSBTE Code No.:0136



Office Order

Outward No.Est/2019/1010C

Date- 02/07/2019

SC-ST Cell Member Committee

Following committee is reframed and will come into effect from dated on 02-07-2019.

Sr. No.	Name	Designation	Position held in SC-ST Cell
01	Dr. A.M. Agarkar	Principal	Chairman
02	Mr.V.D.Nitnaware	HOD (Mechanical Engg.) PLGP, Latur	Member
03	Smt. J.C. Hadoltikar	Lecturer in Electronics Representative of SC Teaching (PLGP Latur)	Member
04	Mrs. R.V. Kotalkar	Lecturer in Physics (Representative of ST Teaching)	Member
05	Mrs. A.P. Ghode	Lecturer in Electronics Ladies Representative	Member
05	Mr. S.V. Kawade	Representative of SC Non- Teaching	Member
06	Mr. V.N.Wyawhare	Asst. Librarian	Member Secretary
07	Mr. A.H.Naik	Representative of ST Non- Teaching	Member

[Dr.A.M.Agarkar]

Principal

Govt. Residential Women's Polytechnic
Latur

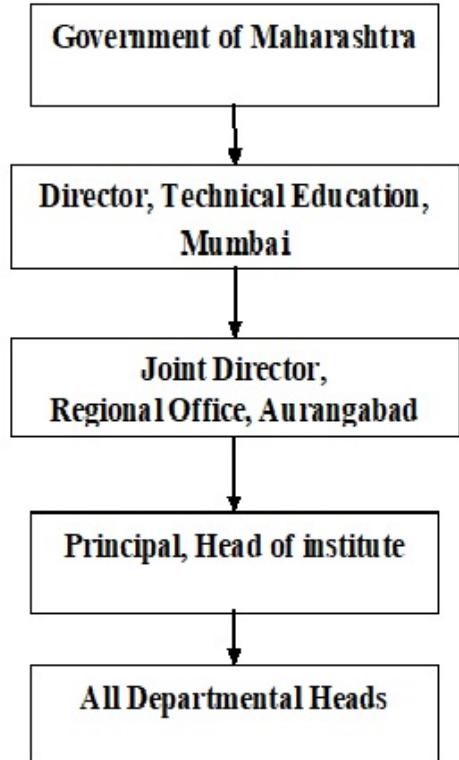
Copy to – Concerned staff Members for information.

A. Demonstrate the utilization of financial powers for each of the assessment years (05)

As per the Government of Rules and Regulation Principal of the Institute is authorized to work as Drawing and Disbursing officer. Financial powers are retained with him only. In case of continuous absence of Principal for longer duration because of official or personal reason In charge Principal may be authorized to take the financial charge with due consent and orders from higher authorities of Directorate of Technical Education.

The Head of the Departments and relevant in charges are entrusted to work for minor works in the department with prior consent of the Principal.

Government has delegated financial and administrative powers to various authorities at different levels which is shown in below flowchart.



Flowchart: Delegation of Financial Powers

9.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks

5.00

A. Information on the policies, rules, processes is to be made available on website (2)

Institute keeps transparency in all administrative and academic functions by providing information on institute website www.grwp.gov.in (<http://www.grwp.gov.in>) and by issuing office notices, circulars and conducting meetings at various levels.

Information about policies, rules, processes are available on official website www.dtemaharashtra.gov.in (<http://www.dtemaharashtra.gov.in>) of Government of Maharashtra.

The staff members and students are informed about academics and their responsibilities through circulars and notice board.

B. Dissemination of the information about student, faculty And staff (03)

Right to Information Act 2005 (RTI)

The institute/ Programme information is available on the institute website. Information related to Right to Information Act, 2005 is displayed on Institute notice board and on Institute website. Information cell under Right To Information Act, 2005 is established in the Institute and is working as Per Government rules and regulations. .

The office order constitutes of following Members:

Sr.No.	Name of Faculty	Designation	Post
1	Dr. A M Agarkar	Principal	Appellate officer
2	Mr. P M Kudale	Lecturer	Information Officer
3	Mrs Lakhadive	Lab Asst.	Assistant Information Officer

Citizen Charter

Citizen charter is a list of facilities and services rendered by the institute With standards and time limit for providing such facility and services to general public. Initiative for displaying citizen charter is a response to the quest for solving the problems which a citizen encounters, while dealing with institute providing public services, which emphasized in good governance are transparency, accountability and responsiveness of the administration.

- Results of students are made available on website.
- List of Faculties and Staff along with designation is available on website.

- E-tenders/E-magazine/Newsletter/Latest activities and Workshops links are made available on website.

9.2 Budget Allocation, Utilization, and Public Accounting at Institute level (10)

Total Marks 10.00

Summary of current financial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years

Summary of the current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three financial years.

The annual budget is allotted to the institute as per demand Budget of institute following norms and guidelines of State Government of Maharashtra.

The sanctioned budget is utilized for the purpose for which it is allotted according to the financial Rules of the State Government of Maharashtra. financial powers are delegated with the Head of institute and Directorate of Technical Education Maharashtra. The audit of the utilized grants is done by authorized agencies nominated by the state Government.

Table 1 - CFYm1 2018-19

Total Income 65939407				Actual expenditure(till...): 62196532			Total No. Of Students 867
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
3742875	62196532	0		58619477	3577055		71737.64

Table 2 - CFYm2 2017-18

Total Income 60446506				Actual expenditure(till...): 57702478			Total No. Of Students 827
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
2744028	57702478	0		55220108	2482370		69773.25

Table 3 - CFYm3 2016-17

Total Income 54546352				Actual expenditure(till...): 49413506			Total No. Of Students 840
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
5132846	49413506	0		48890109	523397		58825.60

9.2.1 Adequacy of Budget Allocation (4)

Institute Marks

4.00

Details of budget allocated for last four years is shown in following table.

The expenditure is done to fulfill the requirements of implementation of curriculum and also to undertake modernization and removal of obsolesces.

Financial Year	Total Budget Sanctioned		Actual Expenditure	
	Non Recurring	Recurring	Non Recurring	Recurring
2019-20	1332560	64627366	1332560	64627366
2018-19	3577055	58619477	3577055	58619477
2017-18	2482370	55220108	2482370	55220108
2016-17	523397	48890109	523397	48890109

9.2.2 Utilization of allocated funds (4)

Institute Marks

4.00

In the last four years, the entire allocated fund is fully utilized.

9.2.3 Availability of the audited statements on the institute's website (2)

Institute Marks

2.00

The audited statement is available with CA/AG, also with the account department in the Institute. The audited statement is also available on Institute website.

According to the policy of the State government of Maharashtra Budget is allotted to the institute and not to program specifically. The plan & non Plan funds are sanctioned to the institute according to the annual budget submitted to the government.

The program specific requirements are forecasted and included in the budget for the fund allotment. As the budget allotted Institute wise, utilization is considered at institute level.

Table 1 :: CFY 2019-20

Total Budget 15684720		Actual expenditure (till...): 15684720	
Non Recurring	Recurring	Non Recurring	Recurring
135900	15548820	135900	15548820

Table 2 :: CFYm1 2018-19

Total Budget 16411115		Actual expenditure (till...): 16411115	
Non Recurring	Recurring	Non Recurring	Recurring
1762450	14648665	1762450	14648665

Table 3 :: CFYm2 2017-18

Total Budget 11260753		Actual expenditure (till...): 11260753	
Non Recurring	Recurring	Non Recurring	Recurring
276700	10984053	276700	10984053

Table 4 :: CFYm3 2016-17

Total Budget 9862093		Actual expenditure (till...): 9862093	
Non Recurring	Recurring	Non Recurring	Recurring
1018900	8843193	1018900	8843193

9.3.1 Adequacy of Budget Allocation (2)

Institute Marks

2.00

The institutional budget is sanctioned according to the budget submitted to the Directorate of Technical Education and State Government. Also there is a provision, to submit revised budget if additional funds required. The budget submitted for the year is based on factual requirements of the institute as per the guidelines. The sanctioned budget is adequate for the expenditure of the concerned financial year.

9.3.2 Utilization of allocated funds (3)	Institute Marks
	3.00

The sanctioned budget is utilized for the purpose for which it is sanctioned and following the financial Rules of the State Government of Maharashtra, and the financial powers delegated as well as vested with the Head of institute.

9.4 Library and Internet (20)	Total Marks 20.00
(It is assumed that zero deficiency report was received by the institution, Effective availability and utilization to be demonstrated)	
9.4.1 Quality of learning resources (hard/soft) (10)	Institute Marks

10.00

A) Relevance of available learning resources including e-resources

Learning resources including e-resources are available in the central Library with 14775 numbers of volumes in the Institute for study and reference purpose for students, faculty and staff. All these learning resources are useful for the access current events of engineering and technology gaining information, knowledge, acquiring skills and to enhanced thinking and analysis capabilities of the learner. These resources are also useful to improve independent study techniques, developing their life skills and to develop over all personality of learner. The resources available are from well-known reputed national and international publishers , authors , manufacturers e.g. Prentice hall, McGraw Hills , CRC press , Oxford university press , Tata- McGraw Hills, S Chand , Khanna publications etc. The details of which are given in below table.

Table 9.4.1 Learning Resources available last three academic Years.

SR.NO	Learning Resources	2019-20	2018-19	2017-18	2016-17	Total
1	Books(Text books &Reference books)	14775	14656	14569	13489	14775
2	Journals/Periodicals	18	11	11	11	51

Investment of learning resources upto 08.07.2020

Sr.No.	Learning Resources	Total Cost

1	Printed resources a) Books	Rs 4418351/-
2	Printed resources b) Journals/Magazines (Jan.2019 to Dec.2019)	Rs 42500/-
3	Non Printed resources (DELNET membership)	Rs 19470/-
	Total	Rs 4480321/-

B) Accessibility to students

- The facility of open access is available to all students, faculty and staff in the library.
- Students are given access to e-resources through (DELNET membership)

Library Borrowers Issuing Ratio:

- 01 book per student per week.

Library Working :

Timings:9.45am to 5.45 pm

Week days: Except Sundays and holidays as per Maharashtra Government.

Other Facilities available in Library :

- Reading Room Facility
- Reference section
- Study Room
- e-resources through (DELNET membership)
- Digital library in progress

Name of the Internet provider	BSNL Latur
Available band width	100 mbps
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	No separate security

9.5 Institutional Contribution to the Community Development (5)

Total Marks 5.00

Institute Marks

5.00

9.5 Institutional Contribution to the Community Development/ Go-green (05)

Community Development through Polytechnic Scheme (CDTP)

(Sponsored by MHRD, Govt. of India)

CDTP scheme envisages providing non formal, short term, employment oriented skill development programmes, through AICTE approved Polytechnics, to various sections of the community, particularly the rural, unorganized & sections of the society, to enable them to obtain gainful self / wage employment.

Details of Training Conducted During the year

2016-17

Sr.No	Name of Training program conducted	Duration of Training (In Weeks)	Place Of Training Conducted	Number of Participants	Training Organizer	Name of Trainer
1	2	3	4	5	6	7
1	Fashion Designing	12	Inamwadi Ta Nilanga Dist Latur	20	Govt Resi Women's polytechnic latur	Smt. prayanka suresh Gobade
2	Fashion Designing	12	Aanandwadi Ta. Shirur Anantpal Dist. Latur	21	Govt Resi Women's polytechnic latur	Smt. Jayshree MansingKasbe

3	Basic Computer	12	Rapka	18	Govt Resi Women's polytechnic latur	
Total	3	36		59		

2017-18

Sr.No	Name of Training program conducted	Duration of Training (In Weeks)	Place Of Training Conducted	Number of Participants	Training Organizer	Name of Trainer
1	2	3	4	5	6	7
1	Computer Hardware	12	Panchincoli Ta.Nilanga Dist Latur	13	Govt Resi Women's polytechnic latur	Mr.Ganesh Bhosle
2	Beautician & Hair dressing	12	Arvi Dist. Latur	21	Govt Resi Women's polytechnic latur	Smt. Vasudha Adsule
3	Baratkam (Handwork)	12	Banegoan Ta.Ausa Dist.Latur	19	Govt Resi Women's polytechnic latur	Smt. Tor
4	Fashion Designing	12	Aanandwadi Ta. Shirur anantpal Dist. Latur	22	Govt Resi Women's polytechnic latur	Smt. Jayshree Manshing Kasbe
5	Fashion Designing	12	Aanandwadi Ta. Shirur Anantpal Dist. Latur	20	Govt Resi Women's polytechnic latur	Smt. Jayshree ManshingKasbe
6	Basic Computer	12	Panchincoli Ta.Nilanga Dist Latur	18	Govt Resi Women's polytechnic latur	Mr.Ganesh Bhosle
7	Beauty Parlor	12	Arvi Dist. Latur	21	Govt Resi Women's polytechnic latur	Smt. Vasudha Adsule

8	Fashion Designing	12	Shindijawalga Ta Ausa Dist. Latur	21	Govt Resi Women's polytechnic latur	Smt. Malan Dilip Gholap
9	Beauty Parlor	12	Keshavnagar Dist Latur	16	Govt Resi Women's polytechnic latur	Mr.vandna sugriv Gaikwad
10	Advance Corse In Fashion Technology	12	Aanandwadi Ta. Surur Anantpal Dist. Latur	22	Govt Resi Women's polytechnic latur	Smt. Jayshree Manshing Kasbe
11	Micron Work	04	Aanandwadi Ta. Shirur Anantpal Dist. Latur	15	Govt Resi Women's polytechnic latur	Smt. Jayshree Manshing Kasbe
12	Micron Work	04	Arvi Ta Latur Dist Latur	13	Govt Resi Women's polytechnic latur	Smt.Vasudha Adsule
13	Fashion Designing	12	Haribhau Nagar Latur	21	Govt Resi Women's polytechnic latur	Smt.Jyoti Markade
14	Fashion Designing	12	Himayat Nagar Latur	20	Govt Resi Women's polytechnic latur	Smt.Ayesha Pathan
15	Beautician & Hair dressing	12	Gandhi Nagar Latur	20	Govt Resi Women's polytechnic latur	Smt.Aruna Diggikar
16	Fashion Designing	12	Prakash Nagar Latur	20	Govt Resi Women's polytechnic latur	Smt. Mina Kulkarni

17	Advance Corse In Fashion Technology	12	Aanandwadi Ta. Shirur Anantpal Dist. Latur	21	Govt Resi Women's polytechnic latur	Smt. Jayshree Mansing Kasbe
Total	17	188		323		

Conduction of CDTP course

माकणी येथील बी.एस.एस.कॉलेजमधील मुलींसाठी फैशन डिझाइन कोर्सची सुरुवात



लोहारा, (प्रतिनिधी) :— लोहारा लालुक्यातील माकणी येथोल बी.एस.एस.कॉले, विडान याणि वाणिज्य महाविद्यालयात अंतरराष्ट्रीय महिला दिनानिमित मुलींसाठी फैशन डिझाइनिंग प्रमाणपत्र कोर्सची सुरुवात करण्यात आली. कम्प्युनिटी डेव्हलपमेंट प्रोफायर अंतर्गत 'मुलींचे शासकीय लंब निकेतन महाविद्यालय, लालुर' च. बी.एस.एस.कॉले, माकणी' यांच्या रु.सू.ल विद्यमाने आंतरराष्ट्रीय महिला दिनाचे आंचित्र लालुर मुलींची रु.जगार बाबत रुबाबलं बी

क रघ्यासाठी आणि महाविद्यालयाच्या मुलींच्या अगी व्यवसाय कौशल्य विकसित करण्याचा उद्देश शान्ते महाविद्यालयात फैशन डिझाइनिंग प्रमाणपत्र कोर्सची सुरुवात करण्यात आली. या कायदक्रमाच्या उद्घाटन प्रसंगी प्राचार्य डॉ.एस.एन.ऐड, महिला सबलीकरण काक्षाच्या रामन्वयक प्रा.सी.आर.सु.चोळें, प्रतिक्रिया डॉ. प्रा.सुवर्णा शिंदे मंडम, अदिनी उपसंचयत राहुन मुलींना या कौशल्य विकास प्रमाणपत्र का रु.सू.ल या महाविद्यालयाच्या रांगिलाले.



Social Programms Conducted by Institute:

1) Tree Plantation :

- Nodal Institute for Tree Plantation:** This institute is appointed as nodal institute for Tree plantation in Pharmacy college of Latur district. This institute has achieved the proposed target of Tree plantation from last three years.

Sr.No.	Institute Name	Year of Tree Plantation	Target	Number of Planted Tree	Number of Alive Trees	% of Alive Trees
1	GRWP Latur	2016	1500	1500	975	65%

2	GRWP Latur	2017	750	750	600	80%
3	GRWP Latur	2018	1500	1500	1050	70%
4	GRWP Latur	2019	12200	12200	9150	75%

2) ECO CLUB:

Eco club empowers the students to participate and take up meaningful environmental activities and projects. It is a forum through which students can aware about environment. It will empower students to explore environmental concepts and actions beyond the confines of a syllabus or curriculum.

Institute has established ECO CLUB with following objectives

- Adoption of Energy Conservation techniques by young generation
- Planning and implementation for Renewable Energy techniques
- Innovative projects with reference Energy Conservation and Environmental issues.
- Motivate the students to keep their surroundings green and clean by undertaking plantation of trees.
- Motivate students to imbibe habits and life style for minimum waste generation and disposing the waste to the nearest storage point.
- Create awareness among the students to minimize the use of plastic bags and aware about 4R.
- Organize tree plantation programmes, awareness programmes such as Quiz, essay, rallys, etc. regarding various environmental issues.

Activities conducted by ECO CLUB:

Tree plantation at Nagzari ,Latur in collaboration with ART OF LIVING .



- Tree plantation at Institute with NGO



- **Swaccha Bharat Abhiyan:** Cleaning of Classrooms, college campus.





- Awareness programme on Hand cleaning and Sanitzation method

3) Energy Conservation Skill Development:

- Adoption of Energy Conservation techniques by young generation
- Planning and implementation for Renewable Energy techniques
- Innovative projects with reference Energy Conservation and Environmental issues.
- Pogrammee on Energy Audit.
- District level Competition on “Urja Bachat ani Urja sawardhan”in coordination with MEDA.



4) Awareness about Fitness and importance of Walking for health:The students of DDGM department has contributed in WALKATHON at the day of Shiv Jayanti program by walking 5kms in traditional dressing of Jijamata.



5) Water Conference: Two days Water conference was held by Municipile Corporation in our college campus.



6) MSBTE Career Fair Organized/Participated:

Career Fairs provides an opportunity to the students to know various career options available after Diploma courses.

·Expert lectures to motivate the students for future Career.

Visiting schools to make presentation about technology courses/careers and admission process .



7) Contribution to Society and Community:The Girl's cooperative mess donated Cheque of INR 51000/-for social contribution to the people in distress in the state of Maharashtra as well as in the country.



महिला तंत्रनिकेतनची ५१ हजारांची मदत

लातूर : मराठवाड्यातील एकमेव अशा येथील शासकीय निवासी महिला तंत्रनिकेतनच्या विद्यार्थ्यांनी कोरोना संकटाच्या पाश्वभूमीवर मुख्यमंत्री उद्घव ठ-

पकरे यांचा आवाहनास प्रतिसाम देत तब्बल ५१ करण्याचा निधी सुख्यमंत्री सहायता निधीस ॲटा केला आहे. या निधीचा घनादेश प्राचार्य डॉ. अजय अग्रकर यांनी जिल्हाधिकारी जी. श्रीकांत यांच्याकडे सुपूर्दे केला. याबद्दल विद्यार्थ्यांचे कौतुक करण्यात येत आहे.

कोरोनाच्या संकटामुळे लॉकडाऊन लागू केल्याने गोप्याची अर्थव्यवस्था कोलमडली.

त्यामुळे गोप्याचर अधिक संकट कोलमडले आहे. त्यामुळे मुख्यमंत्री उद्घव ठाकरे यांनी जनतेल संदर्भ हाताने मदत करण्याचे आवाहन केले होते. या आवाहनास प्रतिसाम देत येथील शासकीय निवासी महिला तंत्रनिकेतनच्या प्राचार्य डॉ. अजय अग्रकर यांनी मेस सज्जगार समिती व विद्यार्थ्यांनी मेस संचालक मं-

लातूरव्या
विद्यार्थ्यांची
मुख्यमंत्री
सहायता निधीस
मदत

डळास समाजकार्याचे आवाहन केले. याला प्रतिसाम देत सज्जगार मंडळ व व विद्यार्थ्यांनी संचालक मंडळाने मुख्यमंत्री सहायता निधीस ५१ हजार रुपयांची मदत करण्याचा निधी घेतला. या रकमेचा घनादेश प्राचार्य

हजार रुपयांचा निधी मुख्यमंत्री सहायता निधीस ॲटा केला आहे. या निधीचा

घनादेश प्राचार्य डॉ. अजय अग्रकर यांनी जिल्हाधिकारी जी. श्रीकांत यांच्याकडे सुपूर्दे केला. याबद्दल विद्यार्थ्यांचे कौतुक करण्यात येत आहे.

कोरोनाच्या संकटामुळे लॉकडाऊन लागू केल्याने गोप्याची अर्थव्यवस्था कोलमडली.

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डळास समाजकार्याचे आवाहन केले. याला प्रतिसाम देत सज्जगार मंडळ व व विद्यार्थ्यांनी संचालक मंडळाने मुख्यमंत्री सहायता निधीस ५१ हजार रुपयांची मदत करण्याचा निधी घेतला. या रकमेचा घनादेश प्राचार्य

अग्रकर यांनी लातूरव्ये जिल्हाधिकारी जी. श्रीकांत यांच्याकडे सुपूर्दे केला. या समाजिक कायावद्दल जिल्हाधिकारी यांनी विद्यार्थ्यांनी संस्थेचे प्राचार्य, मेस सज्जगार समितीतील श्रीमती रीमा आग्रकर, चंद्रकांत चुल्युडे आणि सर्व अद्यापक आणि कर्मचाऱ्याचे कौतुक केले.

पै-पै वाचवकूप केली मदत

या महिला तंत्रनिकेतनमध्येत मेस गेल्या २० वर्षांपासून विद्यार्थ्यांनी सहकारी तस्त्वावर चालवतात.

त्यामुळे प्रतिविद्यार्थ्यांनी ८०० ते ८५० रुपये खर्च घेतो.

यातून प्रतिमह १००० रुपये बचत होतात. यातून पै-

पै वाचवकूप मुख्यमंत्री सहायता निधीस मदत करण्याचा

निधी घेतल्याने कौतुक होत आहे.

8) Mask making: In view of Covid-19 preventive measures (we predicted possible infiltration of COVID-19 in February 2020!) DDGM department conducted the "Ideal Mask Making" competition for 35 third year students who made beautiful and useful masks. **The third year student of DDGM Vaishnavi More has implemented the skills she learnt in the Department and skillfully converted those skills into entrepreneurship and made more than 1000 masks and distributed these masks with no cost to Police Department, Tehsil Office Kalamb, Rural Hospital Kalamb, other government establishments and needy citizens and students as a part of social service (the estimated cost of 1000 masks at market price of Rs. 30/- each is around Rs, 30000/-).** She has also sold more than 9000 masks at very low cost and thus created awareness about preventive measures against spreading of COVID-19. Hon. MLA of Osmanabad-Kalamb Constituency Shri. Kailash ji Ghadge Patil ji has appreciated her work by awarding a letter of appreciation. The initiative taken by Vaishnavi More is being appreciated all over the city of Kalamb and Latur. This activity was given a wide coverage by social media and news papers. Some special photographs of this activity are attached here.



कैलास बाळासाहेब घाडगे पाटील
 अमदाबाद, उस्मानाबाद(धाराशिव) - कळंब
 २४२ - विधानसभा मंदिर संपर्क
 फ़ोन: ९९२२५५५९९९९
 ई-मेल: patil.kailas3@gmail.com

जा.क्र. KBGP/OSD/आमार/३०९८

दिनांक २६/०४/२०२०

आमार पत्र

प्रति,

कृ. वैष्णवी विक्रम मोरे,
 बुरुड गाली, कळंब.

प्रिय तार्हि,

कोरोनाच्या भयावह संकटात आपण कळंब शहरातील नागरिक, प्रशासनातील कर्तव्य पार पाडत असलेल्या अधिकारी य कर्मचाऱ्यांना कोरोनाची लागण होक नये महणुन कुणाचीही भदत न घेता स्वखर्चाने आजपर्यंत जवळ २००० मास्क दें पोफत वाटप वेळेले आहे.

तसेच गरजवंत, गरीब य आर्थिकरित्या पिघलेले कुटुंब हे मास्क विक्री घेऊ शकत नाहीत. हि अडचण ओळखुन आपण घेत असलेले फैशन डिझायनिंगच्या शिक्षणाचा सुदृश्योग समाजसाठी केलेला आहे. अशा जीविधेण्या संकटात एक युवती/महिला देशसेवा कर्तव्यामध्ये पाठीमारे नाही. याचा आदर्श आपण घालून देत स्वीकृतीचे दर्शन आपण करून दिलेले आहे.

अदृश्य असलेल्या राष्ट्राच्या लढाईत आपले खुप सोडे योगदान आहे. आपण करत असलेले कार्य अभियंदनीय तस्या कौतुकास्पद आहे. भी कळंब-उस्मानाबाद चा लोकप्रतिनिधी या नात्याने य जनतेच्या वरीने आपले मनपुर्वक आमार मानतो. आई जगदंबा आपणास उर्दंड य निरोगी आयुष्य देवो. या सदिच्छा सह आपल्या पुढील शिक्षणास य कार्यास मनपुर्वक शुभेच्छा.

तुलाच भाऊ,

कैलास बाळासाहेब घाडगे पाटील

कायदालय : नगर पालिका कॉम्प्लेक्स, निलहा कोटाच्यासमोर, उस्मानाबाद(धाराशिव)-४१३५०१.
 निवास : समर्थ नगर, उस्मानाबाद(धाराशिव)-४१३५०१.



Scanned with CamScanner

- Letter of Appreciation by Hon. MLA Sh. Ghadge Patil of Osmanabad given to our student Ku. Vaishanvi Vikram More of DDGM Dept who used her skills to fabricate and distribute more than 1000 masks to Govt Offices and needy citizens at Kalamb, Dist. Osmanabad during COVID-19 lockdown period.



Shot on Y83 Pro

- Ku. Vaishanvi Vikram More of DDGM Dept, GRWP LATUR seen donating masks to Police Dept at Kalamb, Dist Osmanabad.

विद्यार्थिनीने बनविले १० हजार मास्क

सुन्दरी: शासकीय आस्थापना, संघटना व गरजूना मोफत वाटप

लोकमत न्यूज नेटवर्क

कलंब: लॉकडाउनच्या काळात अनेकांनी वेगवेगळे छंद जोपासत उपक्रम राखविले आहेत. मात्र कलंब येथील वैष्णवी विक्रम मोरे या विद्यार्थिनीने मात्र सामाजिक भान व गरज लक्षात घेत तब्बल १० हजार मास्क तयार केले आहेत. या स्वनिर्मित मास्कपैकी आजवर १ हजार मास्क मोफत वाटप केले आहेत.

येथील वैष्णवी विक्रम मोरे ही विद्यार्थिनी सध्या लातूर येथील एका तंत्रनिकेतनमध्ये ड्रेस डिझाईनिंग अँण्ड गारमेंट मॅन्युफॅक्चरिंगमध्ये पदविकेचे शिक्षण घेत आहे. लॉकडाउनमुळे शैक्षणिक नियोजन कोलमडले आहे. यामुळे कलंब येथे घरीच असलेल्या वैष्णवी मोरे हिने आपल्या शिक्षणाचा वापर करत समाजाला सध्या गरज असलेल्या मास्कची निर्मिती करण्याचा संकल्प केला. यानुसार तिने दहा हजार मास्क तयार केले



आहेत. स्वतः शिवणकाम करून तयार केलेल्या शास्त्रोक्त मास्कपैकी आजवर एक हजार मास्कचे विविध शासकीय आस्थापना, संघटना व गरजूना मोफत वाटप केले आहे. लॉकडाउन होण्याच्या दोन दिवसापूर्वी तंत्रनिकेतनमधील शिक्षिका ए. एन. यादव यांनी मास्क बनविण्याचे प्रात्यक्षिक विद्यार्थीसाठी घेतले होते. याचा वैष्णवी हिने लागलीच प्रत्यक्षात उपयोग केला. वैष्णवी मोरे हिने

आजवर उपजिल्हा रुग्णालय, तहसील कार्यालय, पोलीस ठाणे, पत्रकार संघ, रोटरी क्लब, गणपतराव कथले युवक आघाडी, सावित्रीवाई फुले माध्यमिक व उच्च माध्यमिक विद्यालय, रोटरी क्लब यांना मोफत मास्क वाटप केले आहे. याकामी बहीण विशाखा, आई कल्पना, भाऊ आस्था, भाऊ आर्यन, परमेश्वर मोरे, प्रा.डॉ.किशोर मोरे यांचीही मदत झाली.

9.6 Alumni Performance and Connect (10)

Total Marks 10.00

Institute Marks

10.00

Creating and engaged, supportive alumni network is crucial to an institution's successes .our Alumni have a special connection with us a result are likely to be some of its more loyal supports.

Some of the Important Objectives of the Alumini society are:-

- a) Formation of a platform for interaction with the alumni of this institute.
- b) To enable the institute to help in the different assistance required by the industry.
- c) To take up sponsored projects in the various faculties and increase Industry Institute Interaction (I.I.I.)
- d) To provide testing and consultancy to the Alumni of the college in different fields of engineering and technology.
- e) To enable the alumni to take part in such activities of the Institute and may contribute to the general improvement of the status of the Institute and alumni.
- f) To enable alumni to help the Training and Placement of the students of this institute and to provide required manpower if they wish to make use of.
- g) To arrange any activity for the benefit of the students, alumni and the faculty of the institute.
- h) To bring out a Bulletin periodically, highlighting the activities of the Institute, the Association and the alumni

Sr. No.	Name of Alumni	Dept.	Position in society	Year of passing
01	Smt Karmarkar Shilpa	DDGM	Deputy collector pune	1997
02	Smit Biyani N.B.	DDGM	Faculty at G.P.Aurangbad	1997
03	Smt. Shubhangi shinde	DDGM	Faculty at G.P.Pune	1999
04	Smt Maya Lavand	DDGM	H.O.D. At Dayanand Collage Latur	2000
05	Smt Yadav Anuradha	DDGM	Faculty at G.P.Latur	2000
06	Smt Swami Pallavi	DDGM	Faculty At Dayanand Collage Latur	2000
07	Smt. Sarda Swati	DDGM	Running own educational institute: Shri academy Modern Institute of fashion designing.	2008
08	Smt Shinde Sweta	DDGM	Owener of Brand Vrunda	2008
09	Smt. Gole Pooja	DDGM	Designer	2009
10	Smt Gunale Bhagyashri	DDGM	H.R. shoper Stop	2011

Details of the Activities Conducted By Alumni:

The purpose of an **activity** is to foster a spirit of loyalty and to promote the general welfare of organization. **Alumni activities** exist to support the parent organizations goals, and to strengthen the ties between **alumni**, the community, and the parent organization. **Alumni** can play an active **role** in voluntary programs like mentoring students in their areas of expertise.

Sr. No.	Name of Alumni	Dept.	Year of passing	Program conducted
01	Ms Siddique Farhin	DDGM	2007	1.Apparel Production Techniques
02	Smt. Gunale G.G.	DDGM	2008	2.Role of Fashion Merchandiser in apparel industry

03	smt Pallavi Swami	DDGM	2008	3.Computer aided Designing
04	Smt .Sweta Shinde	DDGM	2007	4..Surface Ornamentation Techniques

Alumni Meet-30 September 2018



ET Department Alumni Meet (15-02-2020) List of the executive Alumni members: Medical Electronics Department

Sr. No.	Name of Alumni	Dept.	Position in society	Year of passing
01	Ashwini vinayak kulkarni	MU	Faculty at GEC Awasari	1997
02	Manisha Sukhdev Nitlikar.	MU	Faculty at G.P.Miraj	2005
03	poonam Deshpande.	MU	Faculty and former Biomedical Enginneer at NHM	1999
04	sonali Sharad Lokre	MU	Biomedical Enjgineer/faculty	2000
05	Swapanali Murugkar	MU	NHM Biomedical Engineer	2008
06	Smt.Nilam Kamble	MU	Faculty At Gp Miraj	2007

07	POOJA PATIL	MU	Biomedical Enginnerat AT NHM	2008
08	Hema Gajbar.	MU	Biomedical Enginnerat MIT LATUR	2008
09	Pratiksha Munde.	MU	Biomedical Enginner AT BAJAJ HOSPITAL	2009
10	Suchita Jagdale	MU	LECTURER AT JSPM WAGHOLI	2005

Details of the Activities Conducted By Alumni

Sr. No.	Name of Alumni	Dept.	Year of passing	Program conducted
01	Ashwini vinayak kulkarni	MU	1997	Expert Talk. Serve the institute for more than 10 years
02	Manisha Sukhdev Nitlikar.	MU	2005	Expert Talk. Serve the institute for more than 05 years
03	poonam Deshpande.	MU	1997	Expert talk. Serve the institute for 4 years
04	Shivganga Hede	MU	2012	Expert talk.
05	Pratiksha Munde.	MU	2013	Workshop and Expert talk

List of the executive Alumni member

Sr. No.	Name of Alumni	Dept.	Position in society	Year of passing
01	Salunke Anuradha	ET	Lecturer at Puranmal Lahoti Govrnment Polytechnic, Latur	1997
02	Londhe Sweta V	ET	Corporator Latur Municipal Corporation	2007
03	Jyoti Bhagwan Umardand	ET	Application Development Senior Analyst at Accenture Services Pvt Ltd	2011
04	Shruti Bhosekar	ET	Associate engineer - Embedded software development at Emerson	2011
05	Shahebjaj Attar	ET	Managing Director at National Electricals	2012
06	Ruapli Mundkar	ET	Procurement support specialist	2012
07	Namrata Pradip Muglikar	ET	Network Security Engineer	2013

08	Komal Yanpalloewar	ET	Software Engineer at LTI	2013
09	Priyanka Ramesh Zarkar	ET	Senior System Engineer at Infosys Pvt limited	2014
10	Sindhutai Ashok Shinde	ET	Embedded system engineer at Finite4 ECS Pvt Ltd	2015



Alumni Meet-30 September 2018



Annexure I
(A) PROGRAM OUTCOME (POs)

1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
2. **Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
3. **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.
4. **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
5. **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
6. **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.
7. **Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)

PSO1	Electronics And Communication Systems: Maintain various types of Electronics and Communication Systems.
PSO2	EDA Tools Usage: Use EDA tools to develop simple Electronics and Communication engineering related circuits.

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute

Name : Dr. Ajay Madhukarao Agarkar

Designation : Principal

Signature :



Seal of The Institution :



Place : Latur

Date : 27-08-2020 17:26:01