

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	200.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	100	100.00
4	STUDENTS' PERFORMANCE	200	113.05
5	FACULTY INFORMATION AND CONTRIBUTIONS	150	136.13
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	899

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

Institute Marks

5.00

Vision of the institute	To Create Professionally Competent Engineers for Development of Society										
Mission of the institute	M1-To Impart Quality Education System in the Technical Field to Solve Engineering Problems M2- To Create Skilled Technician to Meet the Requirements of Industry and Society M3-To Enhance Educational Capabilities for Latest Technology, Ethical Practices and Sustainability										
Vision of the Department	To Create Professionally Competent Mechanical Engineers For Changing Technology In Industry & Society.										
Mission of the Department	<table border="1"> <thead> <tr> <th>Mission No.</th> <th>Mission Statements</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>Achieve Excellence in Technical Education to Solve Mechanical Engineering Problems</td> </tr> <tr> <td>M2</td> <td>Develop Technical Skills And Innovative Ideas Through Curricular And Co-Curricular Activities</td> </tr> <tr> <td>M3</td> <td>To Educate and Train Students to Make Competent Technician and Responsible Citizens of Country</td> </tr> <tr> <td>M4</td> <td>Develop Awareness and Interest in Lifelong Learning.</td> </tr> </tbody> </table>	Mission No.	Mission Statements	M1	Achieve Excellence in Technical Education to Solve Mechanical Engineering Problems	M2	Develop Technical Skills And Innovative Ideas Through Curricular And Co-Curricular Activities	M3	To Educate and Train Students to Make Competent Technician and Responsible Citizens of Country	M4	Develop Awareness and Interest in Lifelong Learning.
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M1	Achieve Excellence in Technical Education to Solve Mechanical Engineering Problems										
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M3	To Educate and Train Students to Make Competent Technician and Responsible Citizens of Country										
M4	Develop Awareness and Interest in Lifelong Learning.										

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

Total Marks 5.00

Institute Marks

5.00

PEO No.	Program Educational Objectives Statements
PEO1	Provide socially responsible, environment friendly solutions to Mechanical engineering related broad-based problems adapting professional ethics.
PEO2	Adapt state-of-the-art Mechanical engineering broad-based technologies to work in multi-disciplinary work environment.
PEO3	Solve broad-based problems individually and as a team member communicating effectively in the world of work.

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

Total Marks 10.00

The Vision, Mission and PEOs of Mechanical Engineering department are published/ Disseminated .

Vision and Mission are published at

- Institute website: <http://www.poly.sreir.org>
- Displayed on the Departmental HOD Office, faculty room
- Departmental files.
- Displayed on the Departmental notice boards,
- Laboratories, Class room and Seminar room.
- Disseminated during student orientation programme.
- Department magazine
- Course Files.
- Computer desktops.
- Departmental library.

PROCESS

The dissemination of the Mission-Vision-PEO has been done in the strategic ways in stages.

- The Mission, Vision and PEO are developed in a participative mode with the stakeholders. The internal stakeholders were involved in the development of the Mission and Vision and the external Stake holders were involved in development of PEOs along with internal Stake holders.
- The Mission-Vision-PEOs were shared in the committees of the institute level committee, ICIU. The mission and vision was developed and presented before the committees for appraisal and approval.
- It is the practice of the institute to disseminate the mission-vision-PEOs of the institute and department in all co-curricular and extra-curricular activities.
- The statements are published/ displayed during the activities at the institute level.
- These statements are discussed and presented at length during the orientation and induction programme organized for the new entrants/ during the start of the every academic year.
- The same is being done at parent and industry meets.
- This strategy has helped in providing the proper orientation as well as to align the institutional activities for the development of students.
- The Mission-Vision-PEOs are published and printed on the official and academic documents of the institute and department.

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

Total Marks 15.00

The department established the vision and mission through a consultative and collaborative process involving all stakeholders of the department. 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.

- Vision and Mission of the institute are considered as a base.
- The Mechanical Engineering HOD with the active participation of faculty members and based on the continuous feedback from internal and external stakeholders developed the vision and mission statement of the department.
- Vision and Mission statements are discussed further among all Mechanical Engineering faculty members before finalization.
- The vision and mission statements are sent to the three member's committee for approval.
- Finally the Vision and Mission are approved by the ICIU And, Institute level NBA committee.

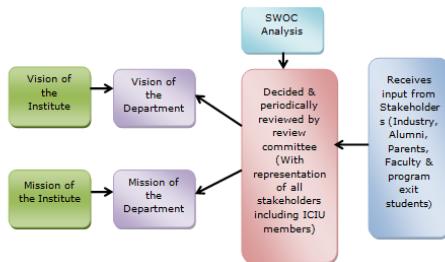


Fig.1.1 Process for defining the Vision and Mission of the Department

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

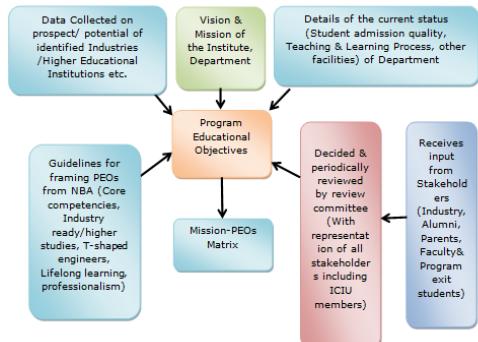


Fig.1.2 Process for defining the PEOs of the Department

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

Total Marks 15.00

Mission of Department - PEOs Matrix with Justification/Rationale of the Mapping

PEO Statements	M1:	M2:	M3:	M4:	Justification/Rationale
	(Achieve Excellence in Technical Education to Solve Mechanical Engineering Problems)	(Develop Technical Skills And Innovative Ideas Through Curricular And Co-Curricular Activities.)	(To Educate and Train Students to Make Competent Technician and Responsible Citizens of Country)	(Develop Awareness and Interest in Lifelong Learning)	
PEO1 (PROVIDE SOCIALLY RESPONSIBLE, ENVIRONMENT FRIENDLY SOLUTIONS TO MECHANICAL ENGINEERING RELATED BROAD-BASED PROBLEMS ADAPTING PROFESSIONAL ETHICS.)	3	3	2	2	<ul style="list-style-type: none"> Mission 1 Strongly support PEO1-By providing the knowledge of mechanical engineering with innovative teaching methods through ICT tools. Mission 2 Strongly support PEO1-By participating in various activities such as group discussion, interview techniques and various competitions. Mission 3 moderately support PEO1 -Students are motivated to take participation in social activities and arrange in plant training. Mission 4 moderately support PEO1 - Expert lecture are arranged to develop interest to learn various technical and professional skill
PEO2 (ADAPT STATE-OF-THE-ART MECHANICAL ENGINEERING BROAD-BASED TECHNOLOGIES TO WORK IN MULTI-DISCIPLINARY WORK ENVIRONMENT.)	2	3	2	2	<ul style="list-style-type: none"> Mission 1 moderately support PEO2-Through learning practices such as interview techniques, expert lecture and inter departmental activities helps the students to work in multidisciplinary environment. Mission 2 Strongly support PEO2-Through industrial visits, laboratory skills and technical events students achieve quality of practicing in multidisciplinary environment. Mission 3 moderately support PEO2-Ethical and moral values are inculcated among students for participating in various fields through quizzes, project competitions and technical events. Mission 4 moderately support PEO2-student are given various type of micro project activities to learn new topic
PEO3 (SOLVE BROAD-BASED PROBLEMS INDIVIDUALLY AND AS A TEAM MEMBER COMMUNICATING EFFECTIVELY IN THE WORLD OF WORK.)	2	2	3	3	<ul style="list-style-type: none"> Mission 1 moderately support PEO3-Through strong teaching learning process, students achieve knowledge of the Mechanical engineering, which helps them in lifelong learning. Mission 2 moderately support PEO3-By participating in various co-curricular activities students competency is developed, which help them in effective adaption of technologies for lifelong learning Mission 3 and 4 Strongly support PEO3 - Through various activities such as Teachers day, Engineers day, Tree Plantation, and Blood Donation, moral and ethical values are imbibed among students

PEO Statements	M1	M2	M3	M4
Provide socially responsible, environment friendly solutions to Mechanical engineering related broad-based problems adapting professional ethics.	3	3	2	2
Adapt state-of-the-art Mechanical engineering broad-based technologies to work in multi-disciplinary work environment.	2	3	2	2
Solve broad-based problems individually and as a team member communicating effectively in the world of work.	2	2	3	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (200)

Total Marks 200.00

2.1 Program Curriculum (40)

All POs and PSOs are being demonstrably met through Curriculum ? : NO ▾

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 Annexurel. 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

The process used to identify extent of compliance of Board curriculum for attaining the POs and PSOs is as follows.

- Identify Course Outcomes for each course.
- Map each Course Outcome with POs and PSOs.
- Categorize entire Curriculum into Mathematics, Basic science, Humanities and social science, Professional core, Electives, Employability Enhancement Courses and calculate credit for each course, compare curriculum with standard curriculum of AICTE and map each category with POs and PSOs.

Identified Curricular Gaps Curriculum grouping with number of courses and POs, PSOs mapping as per AICTE

Table 2.1 AICTE Credit Table

Program Curriculum Grouping based on Course Component	Number of subjects	POS and PSOS
Humanities & social sciences courses	4	PO1,PO2,PO4,PO5,PO6,PO7,PSO2,PSO3
Basic sciences course	8	PO1,PO2,PO4,PO6,PO7,PSO1,PSO2
Engineering science courses	8	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Programme core courses	22	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Program elective courses	12	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Manufacturing technology	4	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Thermal engineering	4	PO1,PO2,PO3,PO4,PO7,PSO1
Applied courses in mechanical engineering	4	PO1,PO2,PO6,PO7,PSO1,PSO3
Project work, seminar and internship in industry or elsewhere	6	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Audit courses	3	PO1,PO5,PO6,PO7,PSO2

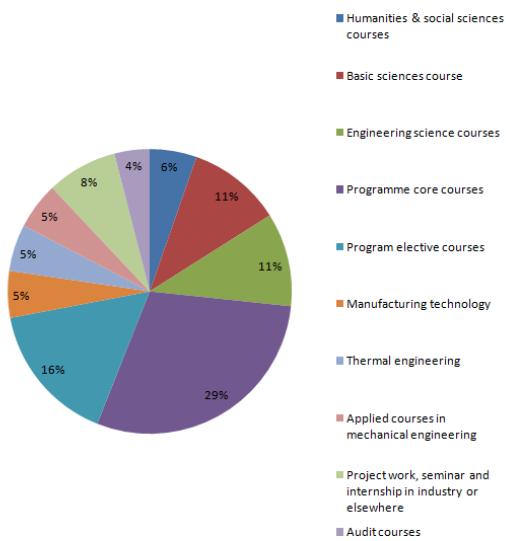
Curriculum grouping with number of courses and POs, PSOs mapping as per MSBTE

Table 2.2 MSBTE Credit Table

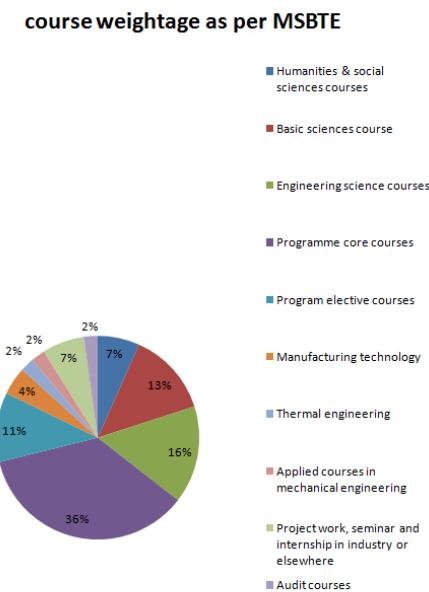
Program Curriculum Grouping based on Course Component	Number of subjects	POS and PSOS
Humanities & social sciences courses	3	PO1,PO2,PO4,PO5,PO6,PO7,PSO2,PSO3
Basic sciences course	6	PO1,PO2,PO4,PO6,PO7,PSO1,PSO2
Engineering science courses	7	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Programme core courses	16	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Program elective courses	5	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Manufacturing technology	2	PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2
Thermal engineering	1	PO1,PO2,PO3,PO4,PO7,PSO1
Applied courses in mechanical engineering	1	PO1,PO2,PO6,PO7,PSO1,PSO3
Project work, seminar and internship in industry or elsewhere	3	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Audit courses	1	PO1,PO5,PO6,PO7,PSO2

Pie chart of course weightage as per AICTE

course weightage as per AICTE



Pie chart of course weightage as per MSBTE



Mapping all courses with POs and PSOs.

POs/PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
Correlation	2.54	2.22	2.25	2.14	1.90	1.95	2.08	2.33	2	2.03
% of Correlation	84	73	74	71	63	64	68	77	66	67

B. List the curricular gaps for the attainment of POs & PSOs (10)

Institute Marks

10.00

The College is affiliated to Maharashtra State Board of Technical Education, Mumbai (MSBTE). As per the regulations of MSBTE, it follows the semester pattern of teaching- learning process. MSBTE revises the schemes of curriculum every five years. In the process of designing the curriculum, MSBTE takes inputs from different stakeholders such as industry, alumni, subject experts, students etc. The inputs taken from all these stakeholders help to minimize the gaps in the curriculum of earlier scheme.

In spite of all the above measures taken by MSBTE, Department of Mechanical Engineering, Samarth Polytechnic, Belgaum has found that due to the advancements of technologies and growing demands of the industries, it has become difficult to satisfy all the needs and recommendations of industries as well as to fulfill the requirements of higher studies. The gaps are identified and attempted to fill with relevant teaching-learning methods, so as to further strengthen the program specific outcomes (PSOs) and program outcomes (POs).

As per our consideration few courses are not addressing all POs and PSOs hence, faculty and PAC has thoroughly understood present curriculum needs and identified a few gaps to attain POs and PSOs. Such an effort allows the college to be branded and stakeholders would appreciate the needs.

Process used for identifying curricular gaps

Following systematic mechanism has been designed to identify the gaps in curriculum and optimize it to the highest level of usefulness in Department of Mechanical Engineering.

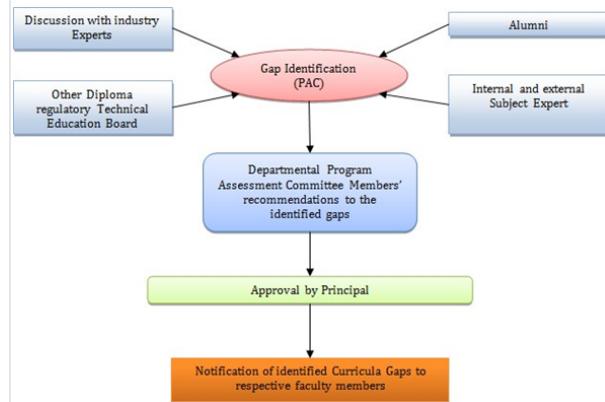


Figure 2.1: Process used for identifying gaps in curriculum

An exhaustive study of the curriculum is carried out by subject experts including subject teachers and all the concerned stakeholders. They are brought to a single platform to find the gaps in curriculum and to design the strategies to overcome the gaps. In the gap finding process, the meeting of PAC members is conducted at the start of every semester. The industry expert is one of the members of this committee to suggest additions of content beyond the syllabus after gap identification.

Gap Identification

- A. Recent technologies in Mechanical Engineering field which are not included in syllabus have been considered as gaps.
- B. Recent software used in Mechanical Engineering field has been considered as gaps.
- C. Personality is a set of traits that makes a person unique. Students need proper training about Personality Development.
- D. Students are usually unaware about different career opportunities in government and private sector. It is considered as a gap.

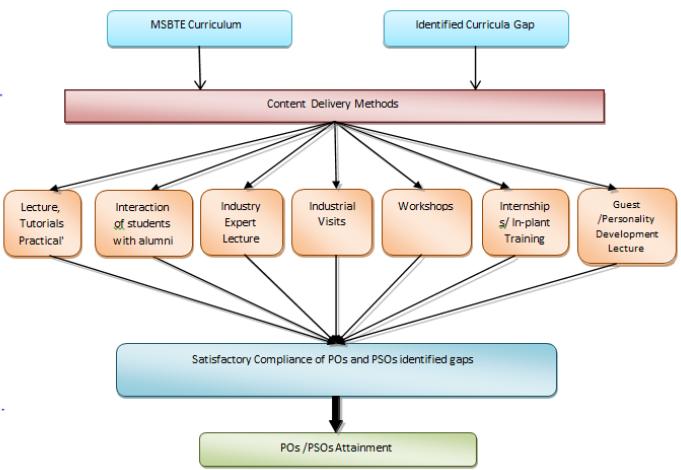


Figure 2.2: The Process for meeting out the identified gap

After the successful execution of all the above activities, the gaps in curriculum are filled to the level of satisfaction and that way the attainment of POs and PSOs is achieved

2.1.2 Contents beyond the Syllabus (15)

Institute Marks

15.00

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

Institute Marks

2.00



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
(Autonomous) (ISO 9001:2008) (ISO/IEC 27001:2005)
4th floor, Government Polytechnic Building, 49, Kherwadi, Bandra (East) Mumbai - 400 051.
Tel: (022) 24475077 (02) 24477209 (P)
Fax: (022) 24473980
email: secretary@msbte.com
web: www.msbte.com

No. MSBTE-DkR/50 "I" Scheme/ Pro-msbte.org/2016/ 382 Date: 16/05/2016

IMPORTANT WEB CIRCULAR

To
The Principal of
All affiliated institutions (AICTE Programmes only)

Sir,

You are aware that MSBTE is in the process of revision of curriculum of engineering diploma programmes. The work of review of curriculum is being done under the expert guidance of the National Institute of Technical Teachers Education (NITTTR), Mumbai. The competency questionnaires were prepared for seeking feedback from industry and alumni. Based on their feedback, competencies are revised, analyzed and programme-wise programmes are prepared. These proposed structures of various diploma programmes of "I" Scheme are now available on web site of MSBTE.

The Principals of all affiliated institutions are informed to instruct their faculty and also industry experts in association with your college, to go through the structures and give suggestions, comments, if any, for making changes in three structures. However faculty may be informed that such suggestions, comments shall be in line with the industry requirements and employability aspects of the students.

The faculty shall send their relevant suggestions, comments in brief, directly to the resource persons of NITTTR Bhopal and resource persons of MSBTE, of respective programmes through email only. (Comments through letter will not be accepted). The email addresses are available on the bottom of the proposed structures. The name of the person sending the comments along with name of faculty, designation, branch and module no. are mandatory. The suggestions, comments received before 29th May, 2016 shall only be considered, if found suitable in line with the requirements of curriculum.

Suggestions, comments from faculties of your institute & industry experts are valuable and helpful in finalizing the programme structures of "I" Scheme. Treat this as important and time bound activity.

(Dr. Nasar M. Molkar)
Secretary
M. S. Board of Technical Education
Mumbai - 400 051

Copy to:

- 1) Chair Programme Coordinator, NITTTR Bhopal for information
- 2) Dy Secretary, Mumbai, Puna, Aurangabad and Nagpur region, they are directed to inform to all institutions in their region for giving comments and suggestions form faculty.

C:\Users\msbte\Downloads\Design Letter to Principal and Dy Secretary.docx

INTERACTION WITH INDUSTRY AND NATIONAL INSTITUTE OF TECHNICAL TEACHERS & TRAINING AND RESEARCH (NITTTR), BHOPAL

[Click Here for MSBTE Secretary Letter Regarding I Scheme Structures for Suggestion](#)

[Click Here for MSBTE Secretary Letter Regarding I Scheme Structures for Industry Suggestion](#)

* The fields marked with (*) are mandatory.

Select Course*	ME-Basic Mechanical Engineering
Name of Person*	MR HARISH PHOKMAR
Designation*	LECTURER
Name of Institute/Industry*	SAMARTH POLYTECHNIC
Mobile Number*	9850095956
Email ID*	samarthmech75@gmail.com

Please read below PDF file of Course and provide the comments

I' Scheme Mechanical Engineering Programme Structure

Programme Code:Diploma Programme in Mechanical Engineering		Semester - I										
Weighted mean score (Rank No.) of Survey Report	S. No. and (Rank No.) of Survey Report	Industry S.No.	Course Title	Teaching Scheme/Week			Cred its		Examination Scheme			
				L	T	P	(L+T+P)	ESE	PA	ESE	PA	Grand Total
3.34	G2(2)	G-37	English	3	-	2*	5	75	25	20	30	150
2.79	26(21)	1	Basic Science	2	-	2	4	35	15	20	30	100
2.21	35(30)	2	Physics	2	-	2	4	35	15	20	30	100
2.81	24(20)	4	Chemistry	2	-	2	4	35	15	20	30	100
3.22	G4(4)	45	Basic Mathematics	4	2	-	6	75	25	-	-	100
2.97	15(13)	6	Fundamentals of ICT	2#	-	2	4	-	-	20	30	50
3.24	3(2)	11	Engineering Graphics (Mechanical group specified)	-	-	4	4	-	-	40	60	100
			Workshop Practice (Mechanical group specified)	-	-	4	4	-	-	40	60	100
Total				13	2	16	31	220	80	160	240	700

Note 1: Yellow highlights are courses common with other programmes
 # No theory exam
 * Language Lab Practical Exam
Legends
 L: Lecture T: Tutorial P: Practical
 ESE: End Semester Exam PA: Progress Assessment
 The term industry includes Mysore Exam, Assessment Quiz/Presentation/miniproject/attendance according to the nature of the course (The scheme and schedule for assessing assessment should be informed to the students and discussed with them at the start of the term / before the start of the year). It should be mentioned in writing to the principal of the institute

Page 1 / 5 —

B. Delivery details of content beyond syllabus (10)

Institute Marks

10.00

Delivery details of content beyond syllabus :

- Lectures, Tutorials and Practical's.
- Training on Soft skills and value addition programs
- Guest lectures
- Workshops/Value addition Courses
- Industrial Visits
- Industry expert lectures
- Internships/In-plant Training

Course Delivery	Attainment of PO's	Justification
Lectures, Tutorials and Practical's.	PO1, PO2, PO3, PO4 ,PO7	<ul style="list-style-type: none"> • Faculty of the ME Department Effectively teaches students about a concerned subject. • Faculty conveys significant information, history, background, theories, analogies and equations to make the concepts clear. • Faculty relate engineering practice to the real world • Faculty helps the slow learners by solving more number of similar problems. • Model Answer Paper of Board question paper is discussed with students. • Regular assignments are given. • Solutions to the assignment are provided to the students.
Training on Soft skills and value addition programs	PO5,PO6,PO7	<ul style="list-style-type: none"> • Through Training-related changes should result in improved job performance and other positive changes. • On job training led to greater innovation and tacit skills. Tacit skills are behaviours acquired through informal learning that are useful for effective performance.
Guest lectures	PO1, PO2, PO3, PO4 ,PO5 PO6, PO7	<ul style="list-style-type: none"> • It is important to give practical exposure and interaction to its growing technology and engineers. • For this, expert from the technical institutes are Invited to impart best educational knowledge and enlighten our students with their ideas.
Workshops/Value addition Courses	PO1, PO2, PO3, PO4 ,PO6, PO7	<ul style="list-style-type: none"> • The Workshop Practice course makes students competent in handling practical work in engineering environment. • Computer Engineering Workshop is also involved in different Technologies, Programming Languages and databases for completion of project work.
Industrial Visits	All POs	<ul style="list-style-type: none"> • In industrial visit students will understand working culture of industry along with new Trends technologies and practices in industry.
Industry expert lectures	PO1, PO2, PO4, PO6, PO7,	<ul style="list-style-type: none"> • It is important to have practical exposure and interaction to its growing technology in industry. • For this, the technical experts from industry are invited to impart recent trends and technologies used in industry to aware our students with their Experience and practices.
Internships/In-plant Training	All POs	<ul style="list-style-type: none"> • In in-plant training student work on technologies used in industry, students will get hands on experience from experts of industry. • Students will get idea regarding projects for last semester.

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

Institute Marks

3.00

2020-21

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	A	Product Life C)	24/04/2021	Mr. Kolase Prashant (Desig	Online	60	PO1,PO2,PO3
2	D	Career opportu	30/01/2021	Mr.Dhananjay Patole (Direc	Online	110	PO1,PO2,PO7
3	C	Soft Skill	10/05/2021	Mr.Anand Kulkarni (Soft Ski	Online	110	PO5,PO7,PSO
4	B	Design Softwai	24/05/2021	Mr.Balasaheb Kalekar(Four	Online	110	PO1,PO2,PO3

2019-20

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	A	Innovarive Idea	11/02/2020	Mr. Narayan Mennon (Vede	Offline	50	PO1, PO2,PO3
2	B	Design Softwai	17/09/2019	Mr. Ladhane Kiran (Tetraski	Offline	35	PO1, PO2,PO3
3	C	Personality De'	11/09/2019	Dr. Kanase Nikhil (MBBS,M	Offline	133	PO5,PO6,PO1
4	D	Opportunities ii	16/01/2020	Mr. Kolhe Bharat (Junior En	Offline	35	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	A	Recent Trends	11/01/2019	Mr. Vijay Jadhav (Sparkbizz	Offline	75	PO1, PO2, PO
2	B	PLC Programn	22/01/2019	Mr. Bhavesh Ahire (V.S. Co	Offline	75	PO1, PO2, PO
3	C	Personality De'	25/01/2019	Prof. Raut A.A (Lecturer PC	Offline	68	PO2, PO6, PO
4	C	Road Safety	28/01/2019	Prof. Sanket Waman (Lectu	Offline	75	PO5, PO6, PO
5	D	Carrier guidelir	14/01/2019	Mr.Arun Patil (Sea Service	Offline	75	PO1,PO2,PO4
6	D	Carrier option i	20/08/2018	Mr.Rahul Pathare (Sharpes	Offline	75	PO1,PO2,PO4

2.2 Teaching - Learning Process (160)**2.2.1 Describe Processes followed to ensure/improve quality of Teaching & Learning based on following points (25)**

Institute Marks

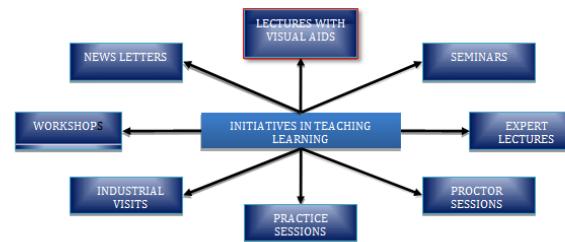
25.00

A. Adherence to Academic Calendar (3)

Institute Marks

3.00

Our teaching learning process is student centric and based on indigenously developed pattern called "Samarth in Professional Education (SPE)". It is supported by the relevant circulars and System Manual provided by organization. The pattern along with the circulars explicitly states the method of delivering lectures including the necessary elements to be covered in the class viz. Name of subject in bold letters on front cover of file, copy of the circular, copy of time table, roll list of students, copy of teaching plan, practical plan, copy of SPE, copy of System Manual, six recent question papers, notes, roll call books, Course Outcomes, Title, Central idea and importance of chapter etc. MSBTE has evolved with CIAAN (Curriculum Implementation and Assessment Norms). These norms are consistently followed by all the faculty members to facilitate the proper implementation of teaching learning process. Keeping the pedagogical initiatives in mind, teaching learning process is effectively implemented. The syllabus is covered as per the norms of MSBTE by preparing a time table.



Department of Mechanical Engineering has taken initiative to improve teaching learning process as considering Lectures with Visual Aids, Seminars, Expert Lectures by industry expert and academician, Practice session for difficult courses, workshops on new technologies, industrial visit to aware current trends and working culture in industry, Proctor session for mentoring and guiding and motivate students by teacher and publishing newsletter. Department also organized technical Quiz for student in state level to motivate and promote students in the field of engineering and technology. Department is also trying to build self-learning mechanism in students.

In accordance with the MSBTE calendar and the college calendar, departmental academic activities are prepared well in advance before the commencement of semester. It includes time table, teaching plan, practical plan, unit test, industrial visit, technical events, guest lectures and internal submission etc.

The flow diagram shows the adherence of academic calendar with execution:

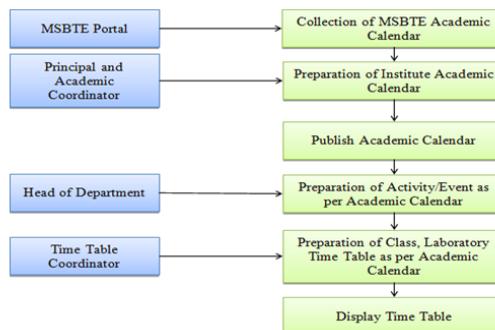


Figure 2.3: Adherence of academic calendar

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

Institute Marks

3.00

Course allotment is done well in advance and Teaching plan and Practical plan with course objectives and course outcomes are prepared by the faculty which is duly approved by the Head of the department. The Course file is prepared as per the Circular provided by Samarth Polytechnic, belhe.

Maintaining Course file

Faculty member prepare course file as per the following contents:

A. Contents of the file:

01	Cover page supplied by ICIU(Academic Detail)
02	Academic Calendar of Institute (For any one subject per teacher)
03	Syllabus copy
04	Teaching plan
05	Study Material(Notes)- CH- wise
A	List of Important Question (Knowledge oriented)
B	List of Numerical(If applicable) Exam Oriented
C	List of Assignment CH- wise Exam Oriented
06	Class Test Question paper copy – I & II
07	Solution of Class Test Question Paper- I & II

08	Mark sheet of class test I & II
09	Previous Question Papers of MSBTE Exam (Last Three Years)
10	Answers of MSBTE Question paper (Only Hints)
11	Attendance record with personnel time table duly signed by HOD
12	Teaching Medias Transparencies/cutout/model/Cds. etc.

A. Point to be observed by the teachers while preparing general and subject related notes and delivering initial lectures of the semester

1. Introduction of teacher.
2. Vision, Mission, POs, PSOs and PEOs.
3. Syllabus of subject including teaching scheme and list of recommended book.
4. About title of subject.
5. About central idea of subject.
6. Importance of course in the programme /engineering
7. Subject objectives/outcomes. (Course Outcomes)

B. Point to be observed by the teacher while preparing the chapter wise notes and delivering lectures during semester:

1. Syllabus of the chapter along with recommended books.
2. Assignment questions/MCQ
3. About title of chapter
4. About central idea of chapter
5. Importance of chapter in the subject /engineering
6. Chapter objectives/outcomes (Topic Outcomes)
7. Bit by bit notes of the syllabus without skipping any bit.
8. Content beyond the syllabus.
9. Explanation on solution to MCQ
10. Model Solution to assignment questions
11. After completing the chapter, review be taken whether chapter objectives/ outcomes are achieved.
12. 1Hrs. test to be conducted on the content of the chapter after its completion, after teaching schedule of the day.
13. The above point numbers from 1 to 12 is implemented for all chapters.

Continuous evaluation of the students is done through assignments, lab manuals, unit tests and board examinations.

For better understanding of concepts, faculty members prepare different flash presentation and power point presentations relevant to the Course(s). Also ready-made NPTEL videos are shared with students for clearing the concepts.

The lab manuals provided by MSBTE for various subjects, cover practical concepts. It also includes the Multiple Choice Questions based on each of the experiments which help students to build right concepts and proper understanding.

Additional efforts taken for improve teaching learning process as follows,

Some classrooms have projector and smart board for students to understand the technical concept easily which improves the attentiveness, thinking skill, communication and confidence level.

In laboratories there are different types of models and chart which develops interest in the subjects and understanding of theoretical concepts.

- For better understanding of concept faculty members use NPTEL video, power point presentation, flash presentation and animated videos.

Improving Instruction Methods using Pedagogical Initiatives

Process for adherence to the academic calendar and improving instruction methods using pedagogical initiatives include:

- Classroom sessions as per time table.
- Practical Sessions as per time table.
- Use of ICT in the Teaching learning process (Information Collection Tools).
- Collaborative learning.

Sr. No.	Process Followed	Implementation Details	Effects Observed
1	Class room Sessions	<ul style="list-style-type: none"> • Real life examples • Collaborative learning • Interactive classrooms • Effective use of smart boards and projectors. 	<ul style="list-style-type: none"> • Understanding of technical concepts becomes easier. • Learning becomes enjoyment • Problem solving improves • Paying thoughtful attention improves • Improves communication • Increases confidence level
2	Practical sessions	<ul style="list-style-type: none"> • Quality of laboratory experience with regard to conducting experiments • Recording observations • Helps in Analysis and individual implementation of data, programs, queries etc. 	<ul style="list-style-type: none"> • Develops interest in the subjects • Develop intellectual and motor skills • Develops confidence • Acquire thorough concept • Works effectively as an individual as well as in team

3	Use of ICT (Information Collection Tools)	<ul style="list-style-type: none"> • NPTEL Videos • YouTube Videos • Power Point Presentations • Models • Charts 	<ul style="list-style-type: none"> • Help to visualize the concept • Models help students to realize the construction • Help students to understand the question patterns and ways to write answers • Develop desire among students for collection of ICTs
4	Collaborative learning	<ul style="list-style-type: none"> • Guest Lectures • Industrial Visits • Industry experts lectures • Practical's in lab for various courses. • Workshops • Entrepreneurship Development Program 	<ul style="list-style-type: none"> • Enable students to interact with subject and industry experts. • Increase professional and practical knowledge. • Give guidelines to become Entrepreneurs and interact with the society

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

Institute Marks

4.00

a. Guidelines to identify weak students.

The class coordinator, subject teacher and proctor teacher function as the counselors. They conduct regular meetings regarding progress of the students and they are responsible to identify students with poor performance in their board examination and internal examinations. Under the directions of HOD, the students' counselors evaluate the progress of such students are considered as academically weak students and same is also intimated to their parents. Remedial classes are conducted for direct second year students who are admitted with less basic knowledge of Mathematics ,drawing and mechanics.

Assisting Methods for Weak Students:

- 1 .Extra lectures are arranged for solving difficulties.
- 2 .Counseling is done through Class coordinator, Subject Teacher and ProctorTeacher.
- 3 .Parents are informed about the performance of their wards during parents' meet.
- 4 .Encouragement for asking difficulties during lectures
- 5 .GivingAssignments

b.Guidelines to Identify BrightStudents:

The students who obtain First Class with Distinction in their End Semester examinations and the top ten students of each class, the students having good grasping level, sharp in basic skills and having full concentration in class are identified as brightstudents.

Assisting Methods for Bright Students:

- 1 Boosting the confidence level of bright students.
- 2 Motivating to participate in the various technical events.
- 3 Asking questions at the end of eachlecture.
- 4 Asking to solve problems onboard.
- 5 Motivating to attend workshops and technical talks.
- 6 Promoting to deliver seminars.
- 7 Providing photocopies of answer books of toppers.
- 8 Providing extra questionnaires other than assignments during practice sessions after collegehours

D. Quality of classroom teaching (3)

Institute Marks

3.00

A Quality of Class room Teaching

At the start of every lecture, after taking attendance, brief review of content taught in the earlier lecture is taken by writing the point on left side of the board and points to be covered during current lecture are also written.

The lecture is ended by summarizing what was taught during the lecture and point to be covered in next lecture by writing the points, in this respect on right side of the board.

Smart class room has been developed for better understanding of the technical concepts which improves effectiveness, attentiveness and active involvement of the students. Different types of models and charts made available which develop interest among the students. Other teaching aids such as videos, power point presentations, flash presentations and animated videos are also used by the faculty member for better understanding of the students.

Providing contents beyond syllabus and promoting additional knowledge:

- Many e-learning materials, journals and magazines are subscribed and made available to the students through a computer room at the Central Library to help the students for inculcating the habit of self-learning.
- Internet facility is provided to the students for learning beyond classroom.

E. Conduct of experiments (3)

Institute Marks

A. Conduct of Experiment

General instructions for effective conduction of practical's:

- The list of experiments to be performed is displayed in the respective laboratories.
- At the beginning of each semester, teachers and/or lab assistants check and ensure if the equipment used for the experiments are in working condition.
- Before start of any practical, faculty members explain the objectives and importance of that particular experiment.
- Faculty members explain construction and operation of particular machine/equipment.
- Faculty members divide all students into groups as suggested in practical manual.
- Different activities are assigned to each group by faculty members.
- Faculty members refer the guidelines given in the lab manual.
- The students are made aware of the instructions given in the lab manual.
- Faculty members motivate the students by conducting activities on related contents of theory and practical.

Faculty Members ensure that at least one activity given in the lab manual is performed by the students and observations are tabulated properly

F. Continuous Assessment in the laboratory (3)

Institute Marks

3.00

A. Continuous Assessment in laboratory

Faculty members check the experiments written by students in manuals/files as per norms of MSBTE.

- Students are assessed continuously for their sincerity, punctuality, and discipline along with the understanding of facts, principles, theories and applications.
- The process and product related skills associated with each PrO is to be assessed according to suggested sample given below-

Sr.No	Performance Indicators	Weightage in %
1	Preparation of machine setup	20
2	Actual Machine operation	20
3	Safety measures	10
4	Observation and Recording	10
5	Interpretation of result and Conclusion	20
6	Answer to sample questions	10
7	submission of report in time	10
	Total	100

Above PRO also compromise of the following social skills/attitudes which are affective Domain outcomes (ADOS) that are best developed through the laboratory / field based expriences-

- a. Follow safety practices
- b. Practice good house keeping
- c. Practice energy conservation
- d. Demonstrate working as leader /a team member.
- e. Follow ethical practices

The ADOS are not specific to any one PrO but are embedded in many PrOs. Hence, The acquisition of ADOS takes place gradually in the student when s/he undertakes a series of practical experiences over period of time. Moreover, the level of achievement of ADOS according to Krathwohl's Domain Taxonomy should gradually increase as planned below:

- Valuing Level In First Year
- Organizing Level in second Year
- Characterising level in Third year

During submission of practical records, the faculty members ask questions to the students.

- During practical's, there is focus on students' practical skills rather than theoretical knowledge.
- There is timely assessment of the conducted experiments.
- The record of continuous assessment of candidates is maintained by respective faculty members and kept in the custody of Head of the Department at the end of each semester.

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

Institute Marks

6.00

A. Students' feedback about teaching learning process and action taken

Samarth Polytechnic Belhe, has its own well defined feedback system, through which feedback is taken from the students and corrective actions are taken accordingly.

The system of feedback analysis is as follows:

- Each department has constituted committees for each semester which includes Class coordinator as faculty representative and Class Representative as well as Batch Representative as student representatives. Class coordinator is the Chairman of this committee. Class coordinator collects feedback and submits to the HOD.
- HOD takes oral feedback of class once in semester and submits its report to the Principal with necessary suggestions if required.
- To solve academic and other issues students meet Class coordinator, Head of Department and Principal as per requirement.
- Student members are invited to express their views on learning environment of the department and the feedback about the same is collected by the Chairman of the Committee and its report is submitted to the HOD for further actions.
- Suggestion boxes have been placed near Principal's cabin, HOD's cabin, Girls common room, Hostels, Library etc. through which feedback is collected.
- The External Academic Monitoring Committee (EAMC) collects feedback as per the formats provided by MSBTE.

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

Institute Marks

15.00

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

Institute Marks

5.00

Sr. No.	Parameter	Form of Evaluation	Implementation
1	Unit Tests	<ul style="list-style-type: none"> • Long Answer Questions • Short Answer Questions • Multiple Choice Questions 	<ul style="list-style-type: none"> • Two tests of 20 marks each are conducted as per the schedule given by MSBTE. • Under theory PA, out of 30 marks, 10 marks for micro project and 20 marks of average of two unit test.
2	Practical Sessions	<ul style="list-style-type: none"> • Continuous assessment • Orals after each experiment • Micro Projects 	<ul style="list-style-type: none"> • Hands on Skills • Knowledge about application of each experiment • Explanation about Relationship between Theory and Practical • Knowledge about operation of machine/equipment ,troubleshooting of the problems • Promoting effective communication skills and motor skills • Application oriented thinking
3	Assignments	<ul style="list-style-type: none"> • Continuous assessment • Additional problems , examples and queries 	<ul style="list-style-type: none"> • Assignments are given at the start of each chapter. • Assignments are checked as per given timeslots and corrective steps are suggested. • The students who show assignments promptly are appreciated.

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

Institute Marks

5.00

Unit Test:

- The test is conducted as per the MSBTE schedule which is displayed minimum 5 days before the test.
- Each test is of 20 marks.
- The questions of Unit Test are designed by considering Bloom's levels.
- While setting the question paper, the following sample format provided by MSBTE is taken into consideration:
 - Question No.1: Attempt any four out of six ($2 \times 4 = 8$ Marks)
 - Question No.2: Attempt any three out of four ($3 \times 4 = 12$ Marks)
- Faculty members prepare model answer keys of unit test question papers.
- Faculty members show the answer papers of unit test to the students for discussing the performance and guide them for improvement.
- Faculty members maintain the record of unit test marks as per MSBTE format Curriculum Implementation and Assessment Norms (CIAAN).

Assignments:

- Each student is asked to maintain one separate notebook for the assignments of each subject.
- The assignment questions are designed by considering Bloom's levels.
- The assignment questions are given at the start of each chapter. Preferably, the assignment questions cover all the bits of the related chapter.
- Given assignments are checked regularly and corrective remarks are given accordingly.
- Students completing the given assignments promptly and timely are appreciated.

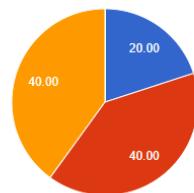
C. COs coverage in class test / mid-term tests and assignments (5)

Institute Marks

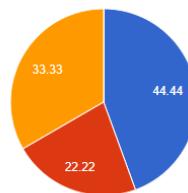
5.00

2.2.2.B-C. Initiatives to Improve the Quality of Semester Tests and Assignments for A.Y.- 2019-20			
Class: Second Year	Semester: SEMESTER I		
Division: A	Course: ENGINEERING METROLOGY (22342)		
Tool: UT 1	Target Level: 40		
Question No.	Marks	Blooms Level	Course Outcome (COs)
Q1.1	2	BL1 REMEMBER	22342.1
Q1.2	2	BL1 REMEMBER	22342.1
Q1.3	2	BL1 REMEMBER	22342.2
Q1.4	2	BL1 REMEMBER	22342.2
Q1.5	2	BL1 REMEMBER	22342.3
Q1.6	2	BL1 REMEMBER	22342.3
Q2.1	4	BL2 UNDERSTAND, BL3 APPLY	22342.1
Q2.2	4	BL2 UNDERSTAND, BL3 APPLY	22342.1
Q2.3	4	BL2 UNDERSTAND, BL3 APPLY	22342.2
Q2.4	4	BL2 UNDERSTAND, BL3 APPLY	22342.1
Q2.5	4	BL2 UNDERSTAND, BL3 APPLY	22342.3
Q2.6	4	BL2 UNDERSTAND, BL3 APPLY	22342.3

Blooms level



Course Outcome (COs)



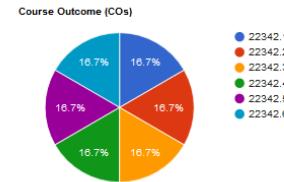
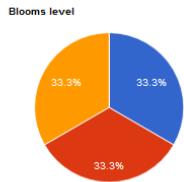
- BL1 REMEMBER
- BL2 UNDERSTAND
- BL3 APPLY
- BL4 ANALYZE
- BL5 EVALUATE
- BL6 CREATE

- 22342.1
- 22342.2
- 22342.3
- 22342.4
- 22342.5
- 22342.6

Date: 05-06-2021

SAMARTH POLYTECHNIC

COURSE OUTCOMES COVERS IN CLASS TEST/ MID-TERM TEST			
DEPARTMENT: MECHANICAL ENGINEERING			
PROGRAM: DIPLOMA IN MECHANICAL ENGINEERING			
ACADEMIC YEAR: 2019-20			
2.2.2.B-C. Initiatives to Improve the Quality of Semester Tests and Assignments for A.Y.- 2019-20			
Class: Second Year	Semester: SEMESTER I		
Division: A	Course: ENGINEERING METROLOGY (22342)		
Tool: ASSIGNMENT	Target Level: 40		
Date of Examination: 08-07-2019			
Question No.	Marks	Blooms Level	Course Outcome (COs)
A1	20	BL1 REMEMBER, BL2 UNDERSTAND, BL3 APPLY	22342.1
A2	20	BL1 REMEMBER, BL2 UNDERSTAND, BL3 APPLY	22342.2
A3	20	BL1 REMEMBER, BL2 UNDERSTAND, BL3 APPLY	22342.3
A4	20	BL1 REMEMBER, BL2 UNDERSTAND, BL3 APPLY	22342.4
A5	20	BL1 REMEMBER, BL2 UNDERSTAND, BL3 APPLY	22342.5
A6	20	BL1 REMEMBER, BL2 UNDERSTAND, BL3 APPLY	22342.6



2.2.3 Quality of Experiments (15)

Institute Marks

15.00

A. Experimental methodologies (5)

Institute Marks

5.00

Quality of Experiments

General instructions for effective conduction of practical

The faculty along with the lab assistant check experimental set-up and perform the demo of experiment well in advance to decide whether the experiment can be performed without any error. The students' experimental performance is assessed on the basis of following domains:

The process and product related skills associated with each PrO is to be assessed according to suggested sample given below-

S.No	Performance Indicators	Weightage in %
1	Preparation of machine setup	20
2	Actual Machine operation	20
3	Safety measures	10
4	Observation and Recording	10
5	Interpretation of result and Conclusion	20
6	Answer to sample questions	10
7	Submission of report in time	10
	Total	100

Above PRO also compromise of the following social skills/attitudes which are affective Domain outcomes (ADOS) that are best developed through the laboratory / field based experiences-

- a. Follow safety practices
- b. Practice good house keeping
- c. Practice energy conservation
- d. Demonstrate working as leader / a team member.
- e. Follow ethical practices

The ADOS are not specific to any one PrO but are embedded in many PrOs. Hence, The acquisition of ADOS takes place gradually in the student when s/he undertakes a series of practical experiences over period of time. Moreover, the level of achievement of ADOS according to Krathwohl's Domain Taxonomy should gradually increase as planned below:

- Valuing Level In First Year
- Organizing Level in second Year
- Characterising level in Third year

The list of experiments to be performed is displayed in the respective laboratories.

- At the beginning of each semester, teachers and/or lab assistants check and ensure if the equipment used for the experiments are in working condition.
- Before start of any practical, faculty members explain the objectives and importance of that particular experiment.
- Faculty members explain construction and operation of particular machine/equipment.
- Faculty members divide all students into groups as suggested in practical manual.
- Different activities are assigned to each group by faculty members.
- Faculty members refer the guidelines given in the lab manual.
- The students are made aware of the instructions given in the lab manual.
- Faculty members motivate the students by conducting activities on related contents of theory and practical.
- Faculty Members ensure that at least one activity given in the lab manual is performed by the students and observations are tabulated properly.
- Faculty members check the experiments written by students in manuals/files as per norms of MSBTE.

Students are assessed continuously for their sincerity, punctuality, and discipline along with the understanding of facts, principles, theories and applications

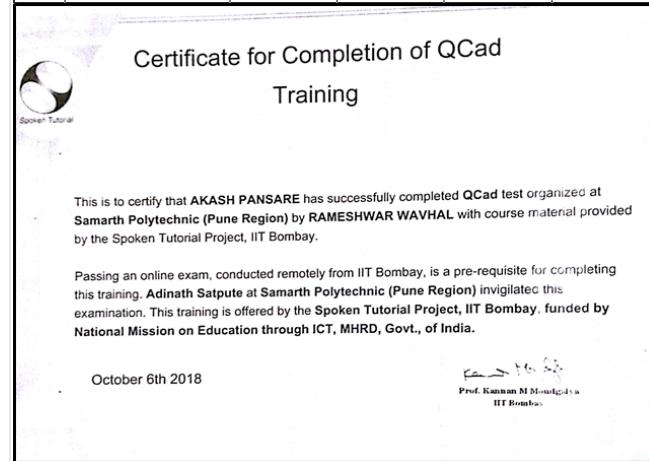
B. Innovative experiments Including industry attached practices, virtual labs (5)

Institute Marks

5.00

Samarth Polytechnic, Belhe regular took active participation in Virtual Lab. This Lab is used to bridging syllabus gap as well as helps teacher and Student's effectively. This learning explores concepts and theories without stepping into a physical science lab.

Sr.No	Training Institute	Platform Mode	Course	Year	Beneficiary
1	IIT Bombay (FMM & TOM Lab)	Virtual Lab/Training Institute	ME	2020-21	110
2	Spoken Tutorial (Q CAD)	Virtual Lab/Training Institute	ME	2019-20	41
3	Spoken Tutorial (Q CAD)	Virtual Lab/Training Institute	ME	2018-19	02



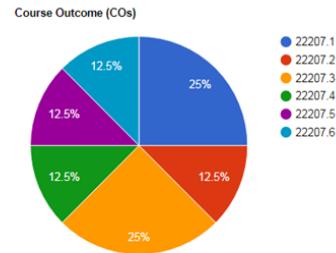
C. Relevance to outcomes (5)

Institute Marks

5.00

PROGRAM: DIPLOMA IN MECHANICAL ENGINEERING						
CLASS: FIRST YEAR						
DIVISION: A						
COURSE: ENGINEERING DRAWING (22207)						
TOOL: MANUAL						
ACADEMIC YEAR: 2019-20						
2.2.3.C. ENGINEERING DRAWING (22207) Experiments - Relevance to Course Outcomes First Year Div. - A for AY - 2019-20						
Experiment No.	Title of Experiment	22207.1	22207.2	22207.3	22207.4	22207.5
1	DRAW THE TWO PROBLEMS ON PROJECTIONS OF LINES PART I	✓				
2	DRAW THE TWO PROBLEMS ON PROJECTIONS OF PLANES PART II	✓				
3	DRAW PROJECTIONS OF REGULAR POLYHEDRON PART I	✓				
4	DRAW PROJECTIONS OF REGULAR SOLID OF REVOLUTION PART V	✓				

5	DRAW SECTIONAL VIEWS AND TRUE SHAPE OF SECTION FOR THE SOLID MENTIONED IN S. NO3-6 PART-I		✓				
6	DRAW SECTIONAL VIEWS AND TRUE SHAPE OF SECTION FOR THE SOLID MENTIONED IN S. NO3-6 PART-V		✓				
7	DRAW THE TWO PROBLEMS ON SECTIONAL ORTHOGRAPHIC VIEW PART-I			✓			
8	DRAW THE TWO PROBLEMS ON SECTIONAL ORTHOGRAPHIC VIEW PART-V			✓			
9	DRAW THE TWO PROBLEMS ON MISSING VIEW PART-I			✓			
10	DRAW THE TWO PROBLEMS ON MISSING VIEW PART-II			✓			
11	DRAW AUXILIARY VIEW FROM THE GIVEN ORTHOGRAPHIC VIEW  ONE PROBLEM PART -I				✓		
12	DRAW AUXILIARY VIEW FROM THE GIVEN ORTHOGRAPHIC VIEW  ONE PROBLEM PART -II				✓		
13	DRAW FREE HAND SKETCHES/CONVENTIONAL REPRESENTATION OF 1) RIVET HEAD 2) RIVETED JOINT-LAP JOINT SINGLE AND DOUBLE RIVETED.					✓	✓
14	DRAW FREE HAND SKETCHES/CONVENTIONAL REPRESENTATION OF 1)COUPLING- MUFF, PROTECTED FLANGE AND FLEXIBLE FLANGE 2) PULLEYS- ROPE AND V BELT					✓	✓

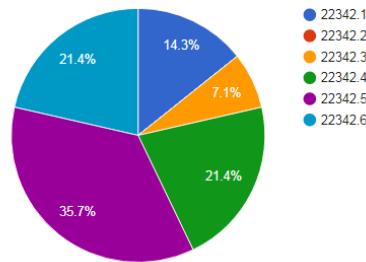


SAMARTH POLYTECHNIC
EXPERIMENTS - RELEVANCE TO COURSE OUTCOMES (COs)
DEPARTMENT: MECHANICAL ENGINEERING
PROGRAM: DIPLOMA IN MECHANICAL ENGINEERING
CLASS: SECOND YEAR
DIVISION: A
COURSE: ENGINEERING METROLOGY (22342)
TOOL: MANUAL
ACADEMIC YEAR: 2019-20

2.2.3.C. ENGINEERING METROLOGY (22342) Experiments - Relevance to Course Outcomes Second Year Div. - A for AY - 2019-20

Experiment No.	Title of Experiment	22342.1	22342.2	22342.3	22342.4	22342.5	22342.6
1	MEASURE VARIOUS DIMENSIONS OF A GIVEN COMPONENTS USING RADIUS GAUGE, VERNIER CALLIPER, VERNIER HEIGHT GAUGE, MICROMETER (USE BOTH MECHANICAL AND DIGITAL)	✓					
2	MEASURE BORES OF A GIVE SAMPLE USING INTERNAL MICROMETER AND DIAL GAUGE INDICATOR.	✓					
3	USE SLIP GAUGES COMBINATION TO SET THE ADJUSTABLE SNAP GAUGE GO END AND NO-GO END FOR A GIVEN DIMENSIONS.			✓			
4	MEASURE GEAR TOOTH ELEMENTS USING GEAR TOOTH VERNIER CALIPER				✓		
5	MEASURE THE EFFECTIVE DIAMETER OF THE SCREW THREAD USING PROFILE PROJECTOR/ TOOL MAKER MICROSCOPE.				✓		
6	USE FLOATING CARRIAGE MICROMETER TO MEASURE MINOR, MAJOR AND EFFECTIVE DIAMETER OF SCREW THREAD.				✓		
7	MEASURE UNKNOWN ANGLE OF GIVEN TAPERED COMPONENT USING SINE CENTRE IN COMBINATION WITH SLIP GAUGES.					✓	
8	USE BEVEL PROTRACTOR AND CLINIMETERS TO MEASURE THE ANGLE AND TAPER OF THE GIVEN COMPONENTS.					✓	
9	USE ANGLE DEKKOR/ AUTOCOLLIMATOR TO MEASURE THE ANGLE AND TAPER OF THE GIVEN COMPONENTS.					✓	
10	MEASURE THE FLATNESS OF THE GIVEN COMPONENT BY INTERPRETING FRINGES USING MONOCHROMATIC LIGHT SOURCE AND OPTICAL FLAT.					✓	
11	MEASURE FLATNESS OF GIVEN SURFACE PLATE USING SPIRIT LEVEL.					✓	
12	MEASURE THE SURFACE ROUGHNESS OF A GIVEN SAMPLE USING TAYLOR HOBSON'S TALYSURF/ SURFACE ROUGHNESS TESTER.						✓
13	USE DIAL INDICATOR TO CHECK THE LATHE MACHINE PARAMETERS LIKE PARALLELISM, SQUARENESS, TRUENESS, ALIGNMENT.						✓
14	MEASURE RUN OUT OF CYLINDRICAL COMPONENT USING DIAL INDICATOR.						✓

Course Outcome (COs)



Date: 14-04-2021

SAMARTH POLYTECHNIC

EXPERIMENTS - RELEVANCE TO COURSE OUTCOMES (COs)

DEPARTMENT: MECHANICAL ENGINEERING

PROGRAM: DIPLOMA IN MECHANICAL ENGINEERING

CLASS: THIRD YEAR

DIVISION: A

COURSE: AUTOMOBILE ENGINEERING (22656)

TOOL: MANUAL

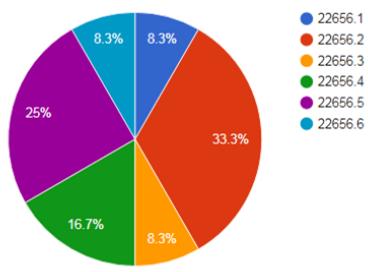
ACADEMIC YEAR: 2019-20

2.2.3.C. AUTOMOBILE ENGINEERING (22656) Experiments - Relevance to Course Outcomes Third Year Div. - A for AY - 2019-20

Experiment No.	Title of Experiment	22656.1	22656.2	22656.3	22656.4	22656.5	22656.6
1	PREPARE LAYOUT OF VEHICLE AVAILABLE IN YOUR LABORATORY	✓					
2	DISMANTLE/ASSEMBLE THE MULTIPATE CLUTCH		✓				
3	DISMANTLE/ASSEMBLE THE CENTRIFUGAL CLUTCH		✓				
4	DISMANTLE/ASSEMBLE THE SYNCHRO MESH GEARBOX		✓				

5	DISMANTLE/ASSEMBLE THE DIFFERENTIAL ASSEMBLY		✓			
6	DISMANTLE/ASSEMBLE THE DRUM/DISC BRAKE			✓		
7	DISMANTLE/ASSEMBLE THE LEAF SPRING ASSEMBLY				✓	
8	DISMANTLE/ASSEMBLE THE WHEEL AND TYRE ASSEMBLY				✓	
9	TEST A LEAD ACID BATTERY FOR OPEN VOLTAGE AND SPECIFIC GRAVITY.					✓
10	DISMANTLE/ASSEMBLE THE DISTRIBUTOR USED IN BATTERY IGNITION SYSTEM					✓
11	PREPARE SIMPLE ELECTRICAL CIRCUIT FOR AUTOMOBILE APPLICATIONS LIKE LIGHTING/HORN/WIPERS/FLASHER/INDICATORS/GAUGES ETC				✓	
12	MAINTAIN GIVEN SIMPLE AUTOMOBILE COMPONENT USING VARIOUS SERVICE TOOLS					✓

Course Outcome (COs)



2.2.4 Quality of Students Projects and Report Writing (35)

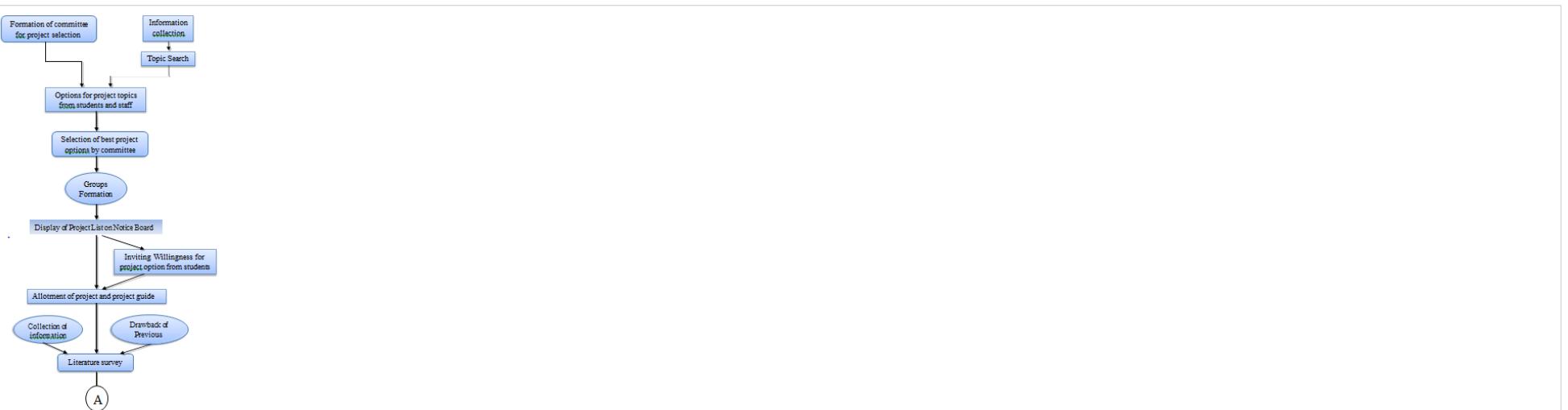
Institute Marks

35.00

A. Identification of projects and allocation methodology (3)

Institute Marks

3.00



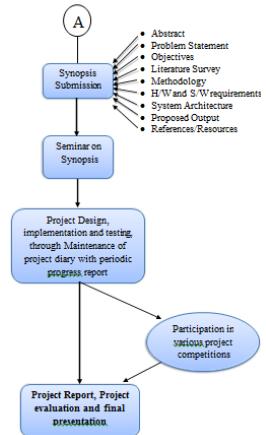


Figure: Process related to quality of students' projects and report

- In the final year, students must go for project. This process continues for two semesters.
- At the start of the fifth semester, a committee is formed of faculty members for the selection of final year projects.
- By collecting information and current trends, they invite project topics from students as well as faculty members. Here, care is taken that no any project of previous years is repeated.
- Students are provided with brief idea of various fields for selecting the project ideas.
- Committee confirms selection of best project options for final year. The students' projects are selected in line with departmental Program Outcomes and Program Specific Outcomes.
- The list of best options for projects is displayed on the departmental notice board.
- Groups of 4-5 students are formed and project topics and project guides are allotted to respective groups.
- Students go for literature survey.
- Project Synopsis is prepared by students including Abstract, Problem Statement, Objectives, Literature Survey, Methodology, Hardware and software requirements, Proposed Output and References/Resources.
- Students go for seminar on their project topic by the end of fifth semester.
- The project design, implementation and testing are done by students under the guidance of respective guide. Project diary is maintained weekly by the students to put progress of their work.
- The project's periodic progress report is prepared and presented by the students.
- The students are encouraged by faculties to participate in various project competitions. Here they get a good platform to display their innovations and work to the outside world and to experts in latest technology.
- All the work carried out by students is documented in a final project report under the guidance of project guide.

Final project presentation and evaluation is done by external faculty member

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

Institute Marks

5.00

ACADEMIC YEAR 2018-19																
Sr. No.	Project Name	Project Guide	Type of Project	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
1	Sand Seprator Machine	Onkaresh Baban Dighe	INDUSRTY	3	2	3	2	2	2	2	1	2	1	3	2	
2	Diy Electric Scooter	Ganesh Shantaram Sinare	INDUSRTY	3	2	3	3	2	3	1	2	2	2	3	3	
3	Self Powered Generated E-Bike	Mahendra Bhimaji Khatate	INDUSRTY	3	3	3	2	2	3	2	2	2	2	3	3	
4	Manual Operated Trans-Planter	Swapnali Sahebrao More	AGRICULTURE	3	3	3	3	3	3	2	2	2	3	2	3	
5	Air Electric Bicycle	Mahendra Bhimaji Khatate	INDUSTRY	3	3	2	3	2	3	1	2	2	2	3	2	
6	Electric Air Bicycle With Solar Charging	Ganesh Shantaram Sinare	INDUSTRY	3	3	3	3	3	3	2	2	2	2	3	3	
7	Electric Car	Ganesh Shantaram Sinare	APPLICATION	3	2	3	3	2	3	2	2	2	3	3	3	
8	Pneumatic Bar Bending Machine	Harish Babarao Phokmare	INDUSTRY	3	3	3	2	1	2	1	2	2	2	3	2	
9	Automatic Speed Regulation Of Shaft	Shyamkumar Vishnurao Fulpagare	INDUSTRY	3	3	3	3	2	1	1	2	1	2	2	2	
10	Manually Operated Spring Maker	Onkaresh Baban Dighe	INDUSTRY	3	3	3	3	1	1	1	2	2	2	2	3	

11	Portable Agriculture Instrument	Nandkishor Haribhau Murhekar	INDUSTRY	3	3	3	3	3	2	2	2	2	2	2	2
12	Alternate Fuel	Harish Babarao Phokmare	APPLICATION	3	3	3	2	3	3	2	2	1	2	1	2
13	Table Frame Making Fixture	Dashrath Rangnath Dhulsainder	INDUSTRY	3	2	3	2	2	1	1	1	1	1	2	2
14	Auto Converter	Dashrath Rangnath Dhulsainder	INDUSTRY	3	3	3	3	1	1	1	2	2	2	2	2
15	Hydraulic Tracking Of Solar Panel	Harish Babarao Phokmare	APPLICATION	3	3	3	3	3	1	2	2	2	2	2	3

ACADEMIC YEAR: 2019-20

Sr. No.	Project Name	Project Guide	Type of Project	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
1	E-Plough Agri Equipment	Sachin Suresh Pokharkar	APPLICATION	3	3	3	3	3	2	2	3	3	3
2	Four way Hacksaw Machine	Nalini Bhimaji Rahane	APPLICATION	3	3	3	3	2	2	3	3	3	2
3	Design & fabrication of easy handaling trolly	Shyamkumar Vishnurao Fulpagare	APPLICATION	3	3	3	3	3	3	3	3	3	3
4	Chainless cycle	Nandkishor Haribhau Murhekar	APPLICATION	3	2	3	3	2	2	2	3	3	2
5	corn sheeler machine	Dashrath Rangnath Dhulsainder	APPLICATION	3	3	3	3	3	3	3	3	3	2
6	Walking Robot	Onkaresh Baban Dighe	APPLICATION	3	2	2	2	2	2	2	3	2	2
7	Low cost composite moulding machine	Harish Babarao Phokmare	APPLICATION	2	2	2	2	2	2	2	2	2	2
8	Bicycle ioop wheel suspension system	Shyamkumar Vishnurao Fulpagare	APPLICATION	3	3	3	3	2	2	2	3	2	2
9	Hydraulic floor crane	Mahendra Bhimaji Khatate	APPLICATION	3	3	3	3	2	2	2	3	2	2

ACADEMIC YEAR: 2020-21

SR. NO	PROJECT NAME	PROJECT GUIDE	TYPE OF PROJECT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
1	Treadmill Bicycle	Mr. Fulpagare S.V.	APPLICATION	3	3	3	2	3	2	1	2	3	2	2	3	2
2	Gearless Power Transmission by Using Elbow Mechanism	Mr. Pokharkar S.S.	INDUSTRY	3	3	3	3	1		1	2	3	2	3	3	2
3	Cooling System In Helmet	Mr. Dhulsaindar D.R.	APPLICATION	3	3	3	2	3	1	2	3	3	1	2	3	2
4	Smart Solar Gross Cutter With Remote Control Lawn Mover	Mr. Phokmare H.B.	INDUSTRY	3	3	3	2	2	1	1	2	3	2	3	3	2
5	Power Tiller	Mr. Khatate M.B.	INDUSTRY	3	3	3	3	1		1	2	3	3	3	3	2
6	Surveillance Robot	Mr. Momin Husen	INDUSTRY	3	3	3	2	1		1	2	3	3	3	3	2
7	Vedic Curd Churing Machine	Shyamkumar Vishnurao Fulpagare	APPLICATION	3	3	3	2	3	1	1	3	3	3	3	3	2
8	Foot Step Power Generator	Mr. Fulpagare S.V.	INDUSTRY	3	3	3	3	3	2	1	1	3	2	2	3	2
9	Model Making In Rocker Bogie	Mr. Pokharkar S.S.	APPLICATION	3	3	3	2	2	1	1	2	3	1	2	3	2
10	Design And Fabrication Of Chilli Crunching Machine	Mr. Dhulsaindar D.R.	APPLICATION	3	3	3	2	3	1	1	1	3	1	2	3	2
11	Climbing Cart Trolley	Mr. Phokmare H.B.	INDUSTRY	3	3	3	2	1	1	1	1	3	1	2	3	2
12	Bike Operated Crane	Mr. Pokharkar S.S.	INDUSTRY	3	3	3	3	2	2	1	2	3	2	2	3	2
13	Loop Wheels Suspension System	Mr. Dhulsaindar D.R.	INDUSTRY	3	3	3	2	2	1	1	1	3	1	2	3	2
14	Aqua Silencer	Mr. Phokmare H.B.	INDUSTRY	3	3	3	2	1	1	1	1	3	1	2	3	2
15	Climbing Cart Trolley	Mr. Momin Husen	INDUSTRY	3	3	3	2	1	1	1	1	3	1	2	3	2

ASSESSMENT OF PROJECT WORK

Project work has two components; first is Progressive Assessment (PA), while another is End Semester Examination (ESE).

Progressive Assessment (PA) Guidelines and Criteria

Project guide is supposed to carry out this assessment. It is a continuous process, during which for developing desired qualities in the students, faculty should orally give informal feedback to students about their performance and interpersonal behaviour while guiding them on their project work every week. Following criteria should be considered while assessing students informally or formally during different stages of the project work.

The following factors need consideration for both Capstone Project-Planning and Capstone Project-Execution and Report Writing.

- a) Students should be assessed during the project work so that students can also get feedback for further improvement.
- b) It should be kept in mind that project work is mainly experiential learning and it is not the research work, so emphasis should be on work based learning or learning from experience and development of attitudes and skills as mentioned in course outcomes.
- So focus of assessment should also be on learning from the process of completing project work rather than on novelty or innovation in the project work.
- c) For progressive assessment at the end, students should be asked to give the power point presentation before group of teachers and junior students (so that junior students may also get awareness about the major project work they have to carry out in future)
- d) The students would be awarded marks for their efforts (In some cases it may happen that due to some reasons such as unavailability of some material or component or some other resources, students may not be able to complete the project, but they have tried their best, in such cases students would be given appropriate marks if they have done enough efforts.)
- e) The students would not be awarded marks if they have completed the project by getting done the work from market or some professionals (taking some help and guidance is different as compared to getting the work or maximum part of the work completed from others on payment basis).
- f) Originality of the report (written in own words) would be given more importance.
- g) The Project Guide will assure the quality of project done by his group.

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

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

END SEMESTER EXAMINATION (ESE)

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

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

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

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

Institute Marks

5.00

The following factors need consideration for both Capstone Project Planning and Capstone Project Execution and Report Writing.

- a. Students should be assessed during the project work so that students can also get feedback for further improvement.
- b. For progressive assessment at the end students should be asked to give the power point presentation before group of teachers and junior students.
- c. The students would be awarded marks for their efforts.
- d. Originality of the report would be given more importance.
- e. The project guide will assure the quality of project done by this group.

Criteria of marks for PA for Capstone Project – Execution and Report Writing

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

Criteria of marks for ESE for Capstone Project – Execution and Report Writing

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

E. Quality of deliverable, working prototypes (12)

Institute Marks

12.00

Criteria	4(Excellent)	3(Very Good)	2(Satisfactory)	1(Developing)
Topic Selection(20)	Student generate the Topic supported with the Proper Rationale and Hypothesis	Student generate the Topic supported with the Inadequate Rationale	Student generate the Topic supported with the Teacher assistant	Teacher generates the Topic
Literature Survey(25)	Information is collected from multiple electronic and non electronic sources	Information is collected from multiple electronic and non electronic sources but not cited properly	Information is collected from limited electronic and non electronic sources and not cited properly	Information is collected from limited electronic and non electronic sources only and not cited
Content Writing(30)	Content is well organized,demonstrate Logical sequencing and sentence structure with excellent concluding remark	Content is well organized,but demonstrate illogical sequencing and sentence structure with good concluding remark	Content is well organized,but demonstrate illogical sequencing and sentence structure with poor concluding remark	very weakly organized content with poor or no concluding Remark
Oral Presentation(25)	Excellent use of Font ,colours,graphics ,effects etc with smooth delivery	Excellent use of Font ,colours,graphics ,effects etc with smooth delivery	Good use of Font ,colours,graphics ,effects etc but without smooth delivery	Use of Font ,colours,graphics ,effects etc often distract from presentation content

Sr.No.	Type of event	Academic Year	Participation/Winner	Level
1	Project Competition	2020-21	Winner	National Level
2	Project Competition	2019-20	Runner	National Level
3	Project Competition	2018-19	Winner	National Level

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

Institute Marks

5.00

Papers published /Awards/ Recognition received by projects at State/ National level AY - 2020-21

Sr. No.	Student Name	Class	Organization	Event	Sub Event	Event Level	Date of Event	Achievement
1	MODHAVE GANESH SHAHAJI	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
2	PAWAR PRAMOD ANANDA	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
3	BAGATE AKSHAY ASHOK	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
4	SANDBHOR AKASH ROHDAS	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
5	KANAK BALASAHEB WALUNJ	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
6	NIKAM ADITI VIJAY	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
7	KADALE ANJALI SHANKAR	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
8	KHANDAGALE AKASH RAMDAS	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
9	WAGHMARE SHUBHAM SANDIP	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE
10	BHALERAO GANESH SOMNATH	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE
11	GUGALE YASH SANDEEP	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE
12	AROTE RAHUL MARUTI	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE
13	KANAK BALASAHEB WALUNJ	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
14	NIKAM ADITI VIJAY	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
15	KADALE ANJALI SHANKAR	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
16	KHANDAGALE AKASH RAMDAS	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
17	BHOR MANISH MACHHINDRA	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
18	PATEL MANAV RAJESH	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
19	VISHWASRAO SUMIT LAXMAN	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE

20	BHORADE RUTUJ KASHINATH	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
Papers published /Awards/ Recognition received by projects at State/ National level AY - 2019-20								
Sr. No.	Student Name	Class	Organization	Event	Sub Event	Event Level	Date of Event	Achievement
1	DIGMBAR DATTATRAYA SUMBARE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	1st PRIZE
2	GANESH SUNIL BORHADE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
3	ATUL GANESH SHITOLE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
4	MAYURESH CHANDRAKANT WAMAN	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
5	AMOL BALU SONAWANE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
6	SHUBHAM BALASAHEB KADAM	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
7	MAHESH GANGARAM GAGARE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
8	VISHAL VILAS THORAT	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
9	SANKET RAJARAM ROHAKALE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
10	MININATH BALU LANGHE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
11	ATUL SANJAY TODKAR	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
12	ROHAN SUNIL NAIKWADI	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
13	VJAY BALASAHEB FUTANE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
14	BAGADE VAISHNAV S	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
Papers published /Awards/ Recognition received by projects at State/ National level AY - 2018-19								
Sr. No.	Student Name	Class	Organization	Event	Sub Event	Event Level	Date of Event	Achievement
1	KAPASE PRATIK KAILAS	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
2	GADGE RAHUL BHAU	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
3	SUMIT CHIMAJI KADUSKAR	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
4	PADWAL PRASHANT N.	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
5	BANGAR PRADIP	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
6	BADHE SWAPNIL D.	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
7	MANGESH YASHWANT BODAKE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
8	DURGUDÉ DHANANJAY ARUN	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
9	PANSARE AKASH RAMDAS	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	PROJECT COMPETITION	PROJECT PRESENTATION	STATE LEVEL	24/01/2019	1ST PRIZE
10	AKASH RAMDAS PANSARE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	RUNNER UP
11	SOMNATH MAHADU MANE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	RUNNER UP
12	ANIKET RAJU IGHE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
13	KHARMALE SANKET V.	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	RUNNER UP
14	GADGE RAHUL BHAU	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2019	PARTICIPATED
15	DIVEKAR ABHISHEK BALASAHEB	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE
16	SHELKE NEHA	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
17	PATHARE SAMADHAN BHANUDAS	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
18	WAYKAR PRASAD	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
19	WALUNI AKSHAY	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
20	POKHARKAR HARI	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
21	BUTE BHAVESH	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
22	SURAJ SUNIL PABALE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE
23	BHOR DHANESH	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE
24	HADAWALE DIPAK RAJENDRA	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE

2.2.5 Industry Interaction and Industry Internship/Training (30)

Institute Marks

30.00

A. Industry supported Labs (2)

Institute Marks

2.00

Samarth Polytechnic, Belgaum has signed MoU with different Industries for mutual benefits and exchange of facilities and resources. In this age of heightened competition, it is imperative for any technical institute to get abreast with latest know how of an industry. Samartha Polytechnic has taken the initiative to develop the technical & professional skills of its students. This is an attempt to bridge the gap between industry and academia which is the need of hour. Whereas it is the statutory object of the Samartha Polytechnic to disseminate and advance knowledge by providing instructional, research and extension facilities in such branches of learning as it may deem fit and it shall endeavor to provide students and teachers the necessary atmosphere and facilities for the promotion of:

- I. Innovations in industry and education leading to restructuring of Vocational short term courses, new methods of teaching & learning aids and integral development of personality.
- II. Inter-disciplinary and multi-disciplinary studies and activities.
- III. Collaborations in the sharing of academic, data, scientific information, intellectual Property, articles and publications, modern tools and technologies.

Department have two no's of Industry supported Labs

I.Metrology and Quality Control

II.Production and automation

Sr.No	Lab Name	Supported Industry	Outcome	Beneficiary
1	Metrology and Quality Control	MAHINDRA CIE AUTOMOTIVE LTD	CNC turning short term course	25
2	Production and automation	MAHINDRA CIE AUTOMOTIVE LTD	CNC turning short term course	25

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

Institute Marks

5.00

Academic Year: 2018-19

Sr. No.	Name of Expert	Topic	*Course Code	Semester	Name of Coordinator	Date of conduction	No. of Beneficiaries	Relevance to POs & PSOs
1	MR AKSHAY JOSHI, CADCAMGURU,Pune	FALCON-9 A REVOLUTIN IN SPACE INDUSTRY	17526	SEMESTER I	ONKARESH BABAN DIGHE	7/18/2018	45	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
2	MR RAHUL PATHARE,Sharpest NDE & Inspection Services	CAREER OPTIONS IN NDE AND INSPECTION FIELD	17527	SEMESTER I	NANDKISHOR HARIHAR MURHEKAR	8/20/2018	46	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
3		CAREER OPTIONS IN NDE AND INSPECTION FIELD	17528	SEMESTER I	GANESH SHANTARAM SINARE	8/20/2018	45	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
4	MR VITTHAL SHINDECENTRAL CO-ORDINATOR OF PUNE ZTCC (7276200250)	ORGAN DONATION AWARENESS	17526	SEMESTER I	ONKARESH BABAN DIGHE	9/3/2018	48	P05,PO6,PO7
5	MR. VIJAY JADHAV,SPARKBIZZ TECHNOLOGY PVT.LTD.	RECENT TRENDS IN MECHANICAL	17612	SEMESTER II	DASHRATH RANGNATH DHULSAINDER	1/11/2019	45	POs-PO1, PO2, PO3, PO4
6		RECENT TRENDS IN MECHANICAL	17609	SEMESTER II	ONKARESH BABAN DIGHE	1/11/2019	45	POs-PO1, PO2, PO3, PO4
7	MR ARUN PATIL,SEA SERVICES AND SHIPPING MANAGEMENT	CAREER GUIDELINES ABOUT MERCHANT NAVY	17608	SEMESTER II	MAHENDRA BHIMAJI KHATATE	1/14/2019	45	POs-PO1, PO2, PO3, PO4
8		CAREER GUIDELINES ABOUT MERCHANT NAVY	17612	SEMESTER II	DASHRATH RANGNATH DHULSAINDER	1/14/2019	45	POs-PO1, PO2, PO3, PO4
9	MR BHAVESH AHIRE ,V S CONTROL ,NASIK	PLC PROGRAMMING	22443	SEMESTER II	GANESH SHANTARAM SINARE	1/22/2019	69	POs-PO1, PO2, PO3, PO4
10		PLC PROGRAMMING	22446	SEMESTER II	NANDKISHOR HARIHAR MURHEKAR	1/22/2019	69	POs-PO1, PO2, PO3, PO4

11	MR SANKET WAMAN,BJ COLLEGE, ALE	ROAD SAFETY	17610	SEMESTER II	GANESH SHANTARAM SINARE	1/28/2019	45	POs-PO1, PO2, PO3, PO4
12		ROAD SAFETY	17601	SEMESTER II	SACHIN SURESH POKHARKAR	1/28/2019	48	POs-PO1, PO2, PO3, PO4

Academic Year: 2019-20

Sr. No.	Name of Expert	Topic	*Course Code	Semester	Name of Coordinator	Date of conduction	No. of Beneficiaries	Relevance to POs & PSOs
						of Activity		
1	MR.KIRAN LADHANE, TEYTASKELE PVT LTD	DESIGN SOFTWARE	22563	SEMESTER I	NANDKISHOR HARIBHAU MURHEKAR	9/17/2019	34	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
2	MR.BHARAT KOLHE, JUNIOR ENGINEER ,INDIAN RAILWAY	OPPORTUNITIES IN GOVERNMENT SECTORS	22652	SEMESTER II	GANESH SHANTARAM SINARE	1/16/2020	35	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
3			22656	SEMESTER II	ONKAresh BABAN DIGHE	1/16/2020	35	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
4	MR NARAYAN MENNON, VEDENTA EDUCATION SERVICES	INNOVATIVE IDEAS THROUGH INDUSTRIAL PROJECT	22438	SEMESTER II	ONKAresh BABAN DIGHE	2/11/2020	57	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
5			22445	SEMESTER II	HARISH BABARAO PHOKMARE	2/11/2020	56	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
6	MR BALASAHEB KALEKAR,INSTITUTE OF TOOL ENGINEERING	OPPORTUNITIES IN DESIGN FIELD	22438	SEMESTER II	ONKAresh BABAN DIGHE	2/20/2020	57	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3
7		OPPORTUNITIES IN DESIGN FIELD	22447	SEMESTER II	AKSHAY UTTAMRAO JADHAV	2/20/2020	57	PO1,PO2,PO3,PO4,PSO1,PSO2,PSO3

Academic Year: 2020-21

Sr. No.	Name of Expert	Topic	Date of conduction of Activity	No. of Beneficiaries	Relevance to POs & PSOs & CO with Course Code (only nos.)
1	Mr. Kolase Prashant (Design Engineer JCB India LTD.)	Product Life Cycle Management	24/04/2021	60	PO1,PO2,PO3,PO4,PSO1
2	Mr.Dhananjay Patole (Director of Ignite Academy Pune)	Career opportunities for mechanical Engineers in government sector	30/01/2021	110	PO1,PO2,PO7,PSO1,PSO3
3	Mr Anand Kulkarni (Soft Skill Trainer on Academy)	Soft Skill	10/05/2021	110	PO5,PO7,PSO3
4	Mr.Balasaheb Kalekar(Founder and CEO The Institution of Tool Engineering)	Design Software	24/05/2021	110	PO1,PO2,PO3,PO7,PSO1,PSO2

C. Industrial visits/tours for students (3)

Institute Marks

3.00

Industrial Visit/tours for students for A.Y.- 2019-20

Sr. No.	Class	Orgnization/Industry Details	Date of Visit	Location	Total No. of Students Visited	Under consideration of Course/s	Relevant PO	Relevant CO
1	TY-A-I	INDO-GERMAN TOOL ROOM AURANGABAD	9/14/2019	AURANGABAD	35	ADVANCED MANUFACTURING PROCESS	PO1, PO2, PO3, PO4	22563.1, 22563.2, 22563.3, 22563.4, 22563.5, 22563.6
2	SY-A-II	GK PLASTIC BHALAVANI	2/14/2020	BHALAVANI	58	MANUFACTURING PROCESSES	PO1, PO2, PO3, PO4	22446.1, 22446.2, 22446.3, 22446.4, 22446.5
3	SY-A-II	GAURAV AGRO PIPES BHALAVANI	2/14/2020	BHALAVANI	58	MANUFACTURING PROCESSES	PO1, PO2, PO3, PO4	22446.1, 22446.2, 22446.3, 22446.4, 22446.5
4	SY-A-II	PARAS PVC PIPES AND FITTING PVT LTD	2/14/2020	BHALAVANI	58	MANUFACTURING PROCESSES	PO1, PO2, PO3, PO4	22446.1, 22446.2, 22446.3, 22446.4, 22446.5

Industrial Visit/tours for students for A.Y.- 2018-19

Sr. No.	Class	Orgnization/Industry Details	Date of Visit	Location	Total No. of Students Visited	Under consideration of Course/s	Relevant PO	Relevant CO
1	TY-A-I	MINDA INDUSTRIES CHAKAN	9/12/2018	CHAKAN	48	PROFESSIONAL PRACTICES - III / INDUSTRIAL TRAINING (OPTIONAL)**	PO1, PO2, PO3, PO4, PO5, PO7, 17065.1, 17065.2, PO6, PO8, PO9, 17065.3, 17065.4, PO10	17065.5
2	TY-A-I	SCIENCE MUSEUM CHAKAN	9/12/2018	CHAKAN	48	PROFESSIONAL PRACTICES - III / INDUSTRIAL TRAINING (OPTIONAL)**	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, 17065.3, 17065.4, PO10	17065.5
3	SY-A-I	NASHIK ENGINEERING CLUSTER NASHIK	9/17/2018	NASHIK	35	ENGINEERING METROLOGY	PO1, PO2, PO3, PO4, 22342.1, 22342.2, PO5, PO7, 22342.3, 22342.4, PO8, PO9, 22342.5, 22342.6	PO10
4	TY-A-I	MAHINDRA CIE AUTOMOTIVE PVT LTD	9/26/2018	PUNE	48	PROFESSIONAL PRACTICES - III / INDUSTRIAL TRAINING (OPTIONAL)**	PO1, PO2, PO3, PO4, 17065.1, 17065.2, PO5, PO7, 17065.3, 17065.4, PO8, PO9, 17065.5	PO10
5	TY-A-II	TATA MOTORS PVT LTD	1/22/2019	BELHE	48	INDUSTRIAL FLUID POWER	PO1, PO2, PO3, PO4, 17608.1, 17608.2, PO5, PO7, 17608.3, 17608.4	PO8, PO9, 17608.5

D. Industrial training/ internship (5)

Institute Marks

5.00

Year	Total No.of Students	In Plant Training Completed
2018-19	55	55
2019-20	58	58
2020-21	55	55

E. Post training/ Internship Assessment (10)

Institute Marks

The following format are used for Post Training/ Internship Assessment:

Common Guidelines:

All these activities need to be closely monitored by institution's mentor on a weekly basis.

The student has to maintain the Industrial Training diary as recommended in the Industrial Training manual and the progress has to be assessed as per MSBTE suggested norms by the mentor.

Students shall prepare an Industrial Training Report consisting of details of all the above components (Company profile, online courses/ work from home project assigned by mentor / industry)

The students shall submit the course completion certificates for Industrial Training undertaken through Option 2 or Option 3.

The Industrial Training through any of the suggested three options shall preferably be completed by 31st July 2020 or within two months on resuming the academic activities of AY 2020-21.

The assessment of industrial training to be done in two parts

o 75 marks internal progressive assessment (PA) to be given by the mentor as per the progress made by the student during industrial training.

o 75 marks for the final presentation / Viva voice/ Report (ESA) is to be allocated post completion of Industrial Training by the Mentor and Head of Department.

Format 4
Evaluation Sheet for PA of Industrial Training
Academic year - 20 | 20

Sr. No	Enrollment Number	Name of student	Marks (5 marks each week by Mentor & Industry Supervisor)	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)

A) Marks for PA are to be awarded out of 5 for each week considering the level of completeness of activity observed, from the daily diary maintained.

B) Marks are to be awarded by Industry Supervisor on the basis of General Observation and behavioral aspects of student.

C) Marks are to be awarded by Mentor faculty on the basis of report, understanding level and work performance of the student.

Signature- Signature-
Name and designation of the Mentor/Faculty Name and designation of the Industry Supervisor

Format 5
Evaluation Sheet for ESA of Industrial Training by Mentor and Industries Personnel

Name of Student: _____	Enrollment No.: _____
Name of Programme: _____	Semester: _____
Course Title :- Industrial Training	Code: _____
Name of Industry: _____	
Course Outcomes Achieved	
Industrial Training Report (25 Marks)	
Presentation (25 Marks)	
Viva (25 Marks)	
Total Marks (75 Marks)	

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

Signature- Signature-
Name of the Internal/Mentor Name of External Examiner (Industry Personnel)

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

Institute Marks

5.00

Year of Development	Product Name	Details	Beneficiaries
2020-21	Cooling system in Helmet	To eliminate headache which is geneated from helmet wearing ,the cooling system is used to lower the inner temp.of helmet	Four student and one farmer
	Vedic Curd Curing machine	This machine is used to integrate our vedic method of curd making	Four student and Kanak Dairy Farm
	E-Plough Agri Equipment	'This is battery oportaed E-plough which perfroms two agriculture operators	four student and Avighna Claritec
2019-20	Four way Hacksaw Machine	This hacksaw machine cuts four job simultaniously which save time and money	four student and Avaduot Fabrication
	Design & fabrication of easy handaling trolley	This trolley is developed to transport material from one place to other place using single manpower	four student and Samarth Motors
	corn sheeler machine	This machine is used to sheel the corn easily with minimum time	Four student and one farmer
	Sand Separator Machine	Machine used to separate sand particle used for building work	Four student and Vaishnavi Builder and developers
2018-19	Manual operated Transplanter	A low cost manually operated transplanter was developed for transplanting of plant in agriculture	four student,Harsh Infotech and farmer
	Pneumatic bar bending Machine	To automate the bar bending process using pneumatic system to reduce the cost and enhance the productivity	Four student and Ganesh Electricals and Air Conditiner
	Manually operated spring Maker	Small workshop requires maually opertard spring machine	Four student and Saideep Fabrication
	Portable agriculture Instrument	This instrument used to save time and money for small farmer for doing agriculture operations	Four student and one farmer

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

• ICT Facilities:
Self-learning is promoted in the institute by generating various self-learning facilities and providing material for learning beyond syllabus. The details are as given below:
-Library:
The centralized library of the college has a collection of more than 2164 titles of books,9189 numbers of volume .
-E-Library:
E-library access is provided to the students to access the Portable Document Format (PDF) copies and CDs of reference books. Access is provided to e-journals.
-Departmental Library:
The departmental library has reference books, board examination question papers and model answers, photocopies of the answer books of toppers in MSBTE examination, project black book copies, CDs and DVDs of syllabus presentations and videos.
Spoken tutorials (MOOCs):
It is IIT-B generated project which helps the students to get certified in various programming subjects through tutorials and videos.
-Internet Browsing Session:
Institute has a 100 mbps internet line through Tata teleservices. The campus is well connected by Wi-Fi and LAN facilities. Facility required for downloading books, technical papers, important information helpful for self-learning is made available. Students are provided facility for internet browsing. Lot of e-learning resources such as digital library, e- journals etc. are accessible during these sessions.

-Digital Library:

Digital Library facility is provided through DELNET. It provides services Round-the clock and there is open access facility.

Availability of digital library content	Yes. E-Journals, Downloaded, Back volume of e-journals, Downloaded E-Books and other Study materials in e-forms.
Number of courses, number of e-books	No. of Courses: 05 E-Books: 10839
Availability of exclusive server	Yes
Availability over Intranet/Internet	Yes
Availability of exclusive space/room	Yes
Number of users per day	70
Availability of NPTEL Facility	Yes

-Reprographics facility:

Reprographics as well as printing facilities are available whereby students can go for their own copies of useful material.

-Newspapers:

National and Local Newspapers are provided in the library as well in the hostel rooms of the students.

-Industrial Visits:

In each semester the Institute organizes Industrial Visits. Institute extends financial support facility to all the students for the same.

-Night study sessions:

About three hours are allotted to the students in the evening for self-study in study hall facility.

-Technical Events:

Technical events are organized at department and institute level where students play important role in the organization. Students have to prepare for participation and presentation in such events.

ICT Facilities

Sr. No.	ICT	Facilities	Utilization
1	Library	<ul style="list-style-type: none"> • Reference books • Personality development books • Course notes • Technical magazines • News paper 	<ul style="list-style-type: none"> • Specifically for teachers and students
2	e- Library (e-resources)	<ul style="list-style-type: none"> • Curriculum • Question Papers set • Course wise Question bank • Model Answers • e-Books • MCQ banks • PPTs, 	<ul style="list-style-type: none"> • Available in departmental library • Specifically for teachers and students
3	Departmental Library	<ul style="list-style-type: none"> • Reference books • Course notes, • Sample Question Papers, • Previous years board examination papers • Model Answer Books • Toppers Answer Book photocopies • Black Book of final year project 	<ul style="list-style-type: none"> • Specifically for teachers and students
4	Internet Browsing Session	<ul style="list-style-type: none"> • Information search • Self-Learning • Books • Technical papers • Digital library • e-journals 	<ul style="list-style-type: none"> • Specifically for teachers and students
5	Digital Library	<ul style="list-style-type: none"> • DELNET facility 	<ul style="list-style-type: none"> • Specifically for teachers and students
6	Reprographics facility	<ul style="list-style-type: none"> • Availability of printing facilities 	<ul style="list-style-type: none"> • Specifically for teachers and students
7	Newspapers	<ul style="list-style-type: none"> • National newspapers • Local Newspapers 	<ul style="list-style-type: none"> • Specifically for teachers and students

8	Industrial Visits	<ul style="list-style-type: none"> • Twice a semester • Financial support facility to students 	<ul style="list-style-type: none"> • Specifically for students
9	Night study sessions	<ul style="list-style-type: none"> • Availability of separate night study room for boys" and girls" 	<ul style="list-style-type: none"> • Specifically for students • Improving self-study
10	Technical Events	<ul style="list-style-type: none"> • Organized departmental and institute level events by students 	<ul style="list-style-type: none"> • Specifically for students • Organized by students under the guidance of teachers • Versatile responsibilities handled by students

Sr. No.	Types of Learning Resources /Facilities	Year	Subjects	Students Beneficiaries
1	Book Bank	First, Second and Third year	All Subjects	First, Second and Third year
2	Digital library	Second and Third year	All Subjects	Second and Third year
3	PPTs	First, Second and Third year	All Subjects	First, Second and Third year
4	CDs/DVDs	First, Second and Third year	All Subjects	First, Second and Third year
5	Flash Presentations/ Videos	First, Second and Third year	All Subjects	First, Second and Third year
6	Night study sessions	First, Second and Third year	All Hostelite Students of SY and TY	All First, Second and Third year
7	Technical Events	First, Second and Third year	Technical Quiz and Poster presentation	State Level

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

Institute Marks

5.00

Sr. No.	ICT	Facilities/Materials	Outcomes
1	Class room	<ul style="list-style-type: none"> • Smart board • Projector 	<ul style="list-style-type: none"> • Enhances learning and teaching process • students understand the technical concept easily • Enjoy the benefits of Knowledge sharing • Improves the analytical skill • Improves the attentiveness, thinking skill, communication, confidence level
2	Laboratories	<ul style="list-style-type: none"> • Posters • Pictures • Brief bio- data of renowned personalities • Models • Charts • Drawings • Maps • Sketches 	<ul style="list-style-type: none"> • Improves measuring skill • Develops intellectual and motor skill • Develops confidence • Develops interest in the subjects
3	e-learning	<ul style="list-style-type: none"> • Spoken tutorial • NPTEL • Faculty members syllabus presentations • Flash presentations 	<ul style="list-style-type: none"> • Awareness of e-learning software tools • Use of latest technologies
4	Notice boards	<ul style="list-style-type: none"> • Notices • Curricular and co-curricular activities achievements • Newsletter • MSBTE academic calendar • Time tables of examinations • Posters of intercollegiate competitions 	<ul style="list-style-type: none"> • Awareness of various activities • Appreciation of succeeded • Awareness of latest technologies

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

Initiatives for developing specialized skill development programs include communication, professional and core employability skills to enhance employability. These includes following activities:

1. Communication Improvement Program (CIP)

This program is conducted for third year students. It improves student's communication abilities in educational field and society. This includes improvement in clarity of speech or language, expressing thoughts clearly, improving face-to-face conversation or public speaking skills.

2. Personality Development Programme

This program is conducted for student's long-term guide for improving thoughts, feelings, and behaviors that distinguish individuals from one another. With the help of this programs students can do SWOC analysis (study of internal strengths, weaknesses as well as external opportunities and threats) which helps to improve their personalities.

3. Celebration of Jayanti's of eminent personalities and special days

In College the celebration of Jayanti's of eminent personalities like S. Radhakrishnan (Teacher's Day), M. Vishweshwaraiyya (Engineer's Day), Gandhi Jayanti, Savitribai Phule Jayanti, Shiv Jayanti and Dr. Babasaheb Ambedkar Jayanti is conducted. Also celebration of International Yoga Day, Independence Day, Republic Day, and International Women's Day are conducted. All these celebrations are conducted by the students under the guidance of faculty members. It helps to improve moral ethics and values also develop management skills within the students.

4. Career guidance, Industrial Visit, Industry Expert Lectures

These activities conducted for the students to get them aware of opportunities available in market and acquired skill to fulfill the needs of industry and society. Industrial visits are arranged for practical exposure, technology implementation and awareness of industry projects. Industry expert lectures help to develop learning skills, technical skills and to update the knowledge of new technologies.

5. Entrepreneurship development programme

This programme is conducted for third year students which helps to gain knowledge about forming firms and companies also it improve entrepreneur skills.

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

Institute Marks

7.00

For developing specialized skill development including communication, professional and core employability skills classes on Professional Practices, Development of Life Skills & Entrepreneurship Development are conducted. Professional Practice and Entrepreneurship Development are trans-disciplinary academic department focused on flexible work-related learning within higher education. Professional Practice subject provides a platform to students to undergo activities which will enable them to develop self-confidence. In this subject a student is needs to use the knowledge and skills within a practical environment. Practicing in a professional manner requires that individuals have skills, knowledge, values and attitudes appropriate to their role and responsibility within the setting. In addition, it requires regular reflection upon practice and engagement in supported, ongoing professional development.

Professional Practice is enhanced in several fields-

- Student council formed to increased Professional skills, team work.
- Vocational training Centre under MSSDS for drop outs students.
- PLC training.
- Expert lectures on Personality development.
- Club cultured campus.
- Organizing Technical Quiz.
- Organizing Mock interview competition.
- Industry visits.

Year	Activity	Topic	Date-Month-Year	Name of Resource / Industry Person with Designation	Beneficiaries
2020-21	Personality Development Program	Soft Skill	10/05/2021	Mr.Anand Kulkarni Softskill trainer unacademy	110
2019-20	Personality Development Program	Mobile and Social Media Addiction	11/09/2019	Dr. Kanase Nikhil (MBBS,MD & Psychologist) Shivneri Foundation Junnar, Pune	133
	Personality Development Program	Zero to Hero	28/12/2019	Mr. Deshmukh Pramod Past District Governor	35
2018-19	Personality Development Program	Students Development Program	25/01/2019	Prof. Raut A.A. Lecturer in PCP Polytechnic Pune	68
	Personality Development Program	Students Development Program	16/08/2018	Prof. Jadhav S.J Samarth College of Management	104

2.2.8 Co-curricular & Extra Curricular Activities (10)

Institute Marks

10.00

Academic Year 2019-20

Program Details	No. of Participations
	Academic Year 2019-20
Technical Event	64
Cultural	05
Sports	18

NSS/Social Activity	
Tree Plantation	131
Aamti Bhakar Vatap	129
Anaemia Thalassaemia Detection Camp	129

Academic Year 2018-19

Program Details	No. of Participations
	Academic Year 2018-19
Technical Event	76
Cultural	07
Sports	30
NSS/Social Activity	
Blood Donation Camp	41
Aamti Bhakar Vatap	43

Participation in Co-curricular Activities for A.Y. - 2019-20

Sr. No.	Student Name	Class	Event	Sub Event/ Details of Activity	Event Level	Date of Event	Achievement
1	KHANAPURKAR ISHAN HEMANT	FIRST YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
2	NIKAM ADITI VIJAY	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	3RD PRIZE
3	KANAK BALASAHEB WALUNJ	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	3RD PRIZE
4	GUGALE YASH SANDEEP	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
5	LONKAR ANIL SUNIL	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	1ST PRIZE
6	MANAV RAJESH PATEL	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
7	AHER KUNAL BHUSAHEB	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
8	SHINDE ASHITOSH ANIL	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
9	WAGHMARE SHUBHAM SANDIP	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
10	NAGARE ABHIJEET RAMKRUSHNA	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
11	BHALERAO GANESH SOMNATH	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
12	MODHAVE GANESH SHAHJAI	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
13	BHOR MANISH MACHHINDRA	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
14	THUBE ATUL BALASAHEB	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
15	VISHWASRAO SUMIT LAXMAN	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
16	GADGE MANOHAR BHAU	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
17	AROTE RAHUL MARUTI	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
18	TAJANE BHUSHAN ANIL	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
19	THORAT SUDESH SUBHASH	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
20	WAYAL SAURABH KISAN	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
21	DONGARE SAGAR BHUSAHEB	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
22	KOLEKAR SHUBHAM DATTATRAY	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
23	KALE YUVRAJ PRABHAKAR	SECOND YEAR	TECHNO-SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
24	KADAM NAVNATH SUDAM	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED

25	KADALE ANJALI SHANKAR	SECOND YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
26	RAWADE TEJAS NAVANATH	SECOND YEAR	TECHNO SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
27	KADAM SHUBHAM BALASAHEB	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
28	DATE DHANANJAY VILAS	SECOND YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	1ST PRIZE
29	DESHMUKH VARSHARANI SANTOSH	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
30	VISHWAKARMA RAHUL NIRMAL	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
31	LAMKHADE MEGHAKUMARI ASHOKBHAI	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
32	FULSUNDAR DHANANJAY RAMCHANDRA	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
33	BOTHE MACHINDRANATH BABASAHEB	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
34	FUTANE SURAJ MARUTI	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
35	FUTANE VIJAY BALASAHEB	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
36	DATE PARAMANAND KAILAS	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
37	NAIKWADI ROHAN SUNIL	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
38	FULSUNDAR SHUBHAM KHANDU	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
39	GONDHALI MAHESH KISHOR	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
40	DHAMAK SAGAR NAMDEV	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	4/2/2021	PARTICIPATED
41	SONAWANE AMOL BALU	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
42	SUMBARE DIGMBAR DATTATRAYA	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
43	SHITOLE ATUL GANESH	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
44	TODKAR ATUL SANJAY	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
45	THORAT VISHAL VILAS	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
46	LANGHE MININATH BALU	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
47	ROHAKALE SANKET RAJARAM	THIRD YEAR	TECHNO - SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
48	WAMAN MAYURESH CHANDRAKANT	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
49	VISHVE AKASH RAMDAS	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
50	AUTI GAURAV ANIL	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
51	GUNJAL TEJAS VASANT	THIRD YEAR	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED

Participation in Extra-Curricular Activities for A.Y. - 2019-20

Sports

Sr. No.	Student Name	Class	Sport	Achievement
1	KHANAPURKAR ISHAN HEMANT	FIRST YEAR	ATHLETICS	PARTICIPATED
2	KADALE ANJALI SHANKAR	SECOND YEAR	CHESS	PARTICIPATED
3	KADAM NAVNATH SUDAM	THIRD YEAR	IEDSSA	PARTICIPATED
4	JORE TUSHAR SURESH	THIRD YEAR	IEDSSA	2ND PRIZE
5	JORE TUSHAR SURESH	THIRD YEAR	IEDSSA	2ND PRIZE
6	JORE TUSHAR SURESH	THIRD YEAR	IEDSSA	PARTICIPATED

7	JORE TUSHAR SURESH	THIRD YEAR	IEDSSA	PARTICIPATED
8	JORE TUSHAR SURESH	THIRD YEAR	RELAY 4X100	2ND PRIZE
9	DHAMAK SAGAR NAMDEV	THIRD YEAR	IEDSSA	PARTICIPATED
10	FUTANE SURAJ MARUTI	THIRD YEAR	IEDSSA	PARTICIPATED
11	DALAVI SANI KAILAS	SECOND YEAR	IEDSSA	2ND PRIZE
12	DALAVI SANI KAILAS	SECOND YEAR	IEDSSA	2ND PRIZE
13	KANAK BALASAHEB WALUNJ	SECOND YEAR	IEDSSA	PARTICIPATED
14	LONKAR ANIL SUNIL	SECOND YEAR	ATHLETICS	PARTICIPATED
15	MANAV RAJESH PATEL	SECOND YEAR	IEDSSA	PARTICIPATED
16	NIKAM ADITI VIJAY	SECOND YEAR	CHESS	PARTICIPATED
17	SANDBHOR AKASH ROHIDAS	SECOND YEAR	ATHLETICS	PARTICIPATED
18	BHALERO SAURABH VILAS	THIRD YEAR	ATHLETICS	PARTICIPATED

Cultural

Sr. No.	Student Name	Class	Achievement
1	THORAT VISHAL VILAS	THIRD YEAR	PARTICIPATED
2	BHALERO GANESH SOMNATH	SECOND YEAR	PARTICIPATED
3	KANAK BALASAHEB WALUNJ	SECOND YEAR	1ST PRIZE
4	PINGAT SUSHIL MACCHINDRA	SECOND YEAR	1ST PRIZE
5	WAGHMARE SHUBHAM SANDIP	SECOND YEAR	PARTICIPATED

Participation in Co-curricular Activities for A.Y. - 2018-19

Technical Event

Sr. No.	Student Name	Class	Event	Date of Event	Achievement
1	KUTE BHAVESH SANDIP	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
2	BHOR RUPESH BALASAHEB	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
3	JADHAV PRASHANT SANJAY	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
4	GANGAD AKSHAY NAMDEV	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
5	GUNJAL VAIBHAV PANDURANG	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
6	KADUSKAR SUMIT CHIMAJI	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
7	PATHARE SAMADHAN BHAUDAS	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
8	PRASANNA SAKHARAM AHER	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
9	GADGE RAHUL BHAU	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
10	PAWAR TUSHAR BALASAHEB	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
11	PADWAL PRASHANT NAMDEV	THIRD YEAR	TECHNO-SAPIEN -18	27-09-2018	PARTICIPATED
12	ROHAKALE SANKET RAJARAM	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
13	AUTI GAURAV ANIL	SECOND YEAR	TECHNO SAPIAN-18	27-09-2018	PARTICIPATED
14	BORUDE SURAJ RANU	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
15	DAREKAR PRAVIN SUKHDEO	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED

16	GHODAKE KUNAL ANIL	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
17	WAMAN MAYURESH CHANDRAKANT	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
18	DATE PARAMANAND KAILAS	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
19	SONAWANE AMOL BALU	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
20	NAIKWADI ROHAN SUNIL	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
21	ABHALE VISHAL DEVRAM	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
22	DHUMAL ADESH SHIVAJI	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
23	BARAMATE ANANDA SAKHARAM	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
24	BHAGADE VAISHNAV SHAMARAO	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
25	JAGADALE GANESH UTTAM	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
26	KADAM SHUBHAM BALASAHEB	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
27	RASAL NIKHIL VILAS	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
28	BHALERAO SAURABH VILAS	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
29	KANDHARE OMKAR MARUTI	THIRD YEAR	TECHNO -SAPIEN -19	27-09-2018	PARTICIPATED
30	HINGE NIKHIL NAVNEET	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
31	MANE SOMNATH MAHADU	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
32	PAWAR ROHIT RAMESH	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
33	KHEMNAR TUSHAR KAUSHIRAM	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
34	VADAVALE SANDESH NAGESH	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
35	MHATRE RAJ BHAGWAN	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
36	NIMASE AKSHAY NAMDEV	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
37	CHIRATE DEVENDRA SADASHIV	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
38	THORAT SAMIR BANDHURAJ	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
39	DINKAR SACHIN DAULAT	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
40	BANGAR PRADIP PANDURANG	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
41	BADHE SWAPNIL DILIP	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
42	KHARMALE SANKET VIJAY	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
43	PANSARE AKASH RAMDAS	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
44	PABALE SURAJ SUNIL	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
45	HADAWALE DIPAK RAJENDRA	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
46	IGHE ANIKET RAJU	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
47	BODAKE MANGESH YASHWANT	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
48	DHAGE SAMEER KAILAS	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
49	KHARADE NETAJI BALU	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
50	SAKURE SUJIT JALINDAR	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
51	WALUNJ AKSHAY RAMDAS	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
52	WAYKAR PRASAD VASANT	THIRD YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
53	VISHVE AKASH RAMDAS	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED
54	SUMBARE DIGMBAR DATTATRAYA	SECOND YEAR	TECHNO SAPIAN -18	27-09-2018	PARTICIPATED

55	FUTANE VIJAY BALASAHEB	SECOND YEAR	TECHNO SAPIEN -18	27-09-2018	PARTICIPATED
56	BORHADE GANESH SUNIL	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
57	BHOR PRATHAMESH SHIVAJI	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
58	PATHAN SAHIL NURMAHAMAD	SECOND YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
59	LANGHE MININATH BALU	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
60	JAGDALE SHUBHAM NAVNATH	SECOND YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
61	ATTAR MUJAMMIL SHAKIL	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
62	AUTI MAYUR BHIMAJI	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
63	GAGARE MAHESH GANGARAM	SECOND YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
64	TANGADKAR SIIDDHANT BALASAHEB	SECOND YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
65	DONGARE SAGAR BHAUSAHEB	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
66	KADAM NAVNATH SUDAM	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
67	DESHMUKH VARSHARANI SANTOSH	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
68	LAMKHADE MEGHAKUMARI ASHOKBHAI	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
69	BARAMATE VAISHALI SAKHARAM	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
70	SHITOLE ATUL GANESH	SECOND YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
71	SHELKE NEHA MANGESH	THIRD YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
72	FULSUNDAR DHANANJAY RAMCHANDRA	SECOND YEAR	TECHNO -SAPIEN -18	27-09-2018	PARTICIPATED
73	FAKIR ARSHAN ARIF	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
74	VISHWAKARMA RAHUL NIRMAL	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
75	DHAMAK SAGAR NAMDEV	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED
76	GHODE RUTUJA SADANAND	SECOND YEAR	TECHNO-SAPIEN-18	27-09-2018	PARTICIPATED

Participation in Extra-Curricular Activities for A.Y. - 2018-19

Sports

Sr. No.	Student Name	Class	Sport Level	Sport	Organization	Details of participation	Achievement
1	BHOR MANISH MACHHINDRA	FIRST YEAR	STATE LEVEL	BASKET BALL	BSCOER NARHE PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
2	KANAK BALASAHEB WALUNJ	FIRST YEAR	STATE LEVEL	ATHLETICS LONG JUMP	SAMARTH POLYTECHNIC BELHE	D1 ZONAL SPORT MEET	PARTICIPATED
3	MAHALE RUTIK SANJAY	FIRST YEAR	STATE LEVEL	ATHLETICS	SAMARTH POLYTECHNIC BELHE	D1 ZONAL SPORT MEET	PARTICIPATED
4	MANAV RAJESH PATEL	FIRST YEAR	STATE LEVEL	BASKET BALL	BSCOER NARHE PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
5	FUTANE SURAJ MARUTI	SECOND YEAR	STATE LEVEL	KHO-KHO	SAMARTH POLYTECHNIC BELHE	D1 ZONAL LEVEL SPORT MEET	PARTICIPATED
6	BHAGADE VAISHNAV SHAMARAO	SECOND YEAR	STATE LEVEL	CHESS	M M POLYTECHNIC THERGAON	D1 ZONAL SPORT MEET	PARTICIPATED
7	DHAMAK SAGAR NAMDEV	SECOND YEAR	STATE LEVEL	FOOT BALL	SAMARTH POLYTECHNIC BELHE	D1 ZONAL SPORT MEET	PARTICIPATED
8	JORE TUSHAR SURESH	SECOND YEAR	STATE LEVEL	FOOT BALL	SAMARTH POLYTECHNIC BELHE	D1 ZONAL SPORT MEET	PARTICIPATED
9	KADAM NAVNATH SUDAM	SECOND YEAR	STATE LEVEL	KHO-KHO	SAMARTH POLYTECHNIC BELHE	D1 ZONAL LEVEL SPORT MEET	PARTICIPATED
10	SHITOLE ATUL GANESH	SECOND YEAR	STATE LEVEL	ATHLETICS	SAMARTH POLYTECHNIC BELHE	D1 ZONAL SPORT MEET	PARTICIPATED
11	TODKAR ATUL SANJAY	SECOND YEAR	STATE LEVEL	KABBADI	IEDSSA	D1 ZONAL SPORT MEET	PARTICIPATED

12	BHANDALKAR SUYASH SUNIL	THIRD YEAR	UNIVERSITY LEVEL	CRICKET	BHIVARABAI SAVANT POLYTECHNIC PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
13	BHANDALKAR SUYASH SUNIL	THIRD YEAR	UNIVERSITY LEVEL	CRICKET	BHIVARABAI SAVANT POLYTECHNIC PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
14	KALE GANESH ANKUSH	THIRD YEAR	UNIVERSITY LEVEL	CRICKET	BHIVARABAI SAVANT POLYTECHNIC PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
15	MHATRE RAJ BHAGWAN	THIRD YEAR	STATE LEVEL	CHESS	M M POLYTECHNIC THERGAON	D1 ZONAL SPORT MEET	PARTICIPATED
16	PRASANNA SAKHARAM AHER	THIRD YEAR	STATE LEVEL	BASKET BALL	BSCOER NARHE PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
17	BHOR DHANESH KAILAS	THIRD YEAR	INSTITUTE LEVEL	CHESS	M M POLYTECHNIC THERGAON	D1 ZONAL SPORT MEET	PARTICIPATED
18	CHAUDHARI AMOL SUBHASH	THIRD YEAR	STATE LEVEL	BASKET BALL	BSCOER NARHE PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
19	GANGAD AKSHAY NAMDEV	THIRD YEAR	STATE LEVEL	CHESS	M M POLYTECHNIC THERGAON	D1 ZONAL SPORT MEET	PARTICIPATED
20	GANGAD AKSHAY NAMDEV	THIRD YEAR	STATE LEVEL	KHO-KHO	SAMARTH POLYTECHNIC BELHE	D1 ZONAL LEVEL SPORT MEET	PARTICIPATED
21	GUNJAL VAIBHAV PANDURANG	THIRD YEAR	STATE LEVEL	KHO-KHO	SAMARTH POLYTECHNIC BELHE	D1 ZONAL LEVEL SPORT MEET	PARTICIPATED
22	KUTE BHAVESH SANDIP	THIRD YEAR	STATE LEVEL	FOOT BALL	SAMARTH POLYTECHNIC BELHE	D1 ZONAL SPORT MEET	PARTICIPATED
23	KUTE BHAVESH SANDIP	THIRD YEAR	STATE LEVEL	KHO-KHO	SAMARTH POLYTECHNIC BELHE	D1 ZONAL LEVEL SPORT MEET	PARTICIPATED
24	SHELKE NEHA MANGESH	THIRD YEAR	STATE LEVEL	ATHLETICS LONG JUMP	SAMARTH POLYTECHNIC BELHE	D1 ZONAL SPORT MEET	PARTICIPATED
25	THUBE SANDIP SHANTARAM	THIRD YEAR	UNIVERSITY LEVEL	CRICKET	BHIVARABAI SAVANT POLYTECHNIC PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
26	THUBE SANDIP SHANTARAM	THIRD YEAR	STATE LEVEL	KHO-KHO	SAMARTH POLYTECHNIC BELHE	D1 ZONAL LEVEL SPORT MEET	PARTICIPATED
27	JORI ANIKET NIRUTTI	THIRD YEAR	STATE LEVEL	KABBADI	IEDSSA	D1 ZONAL SPORT MEET	PARTICIPATED
28	POKHARKAR KUNDAN MARUTI	THIRD YEAR	UNIVERSITY LEVEL	CRICKET	BHIVARABAI SAVANT POLYTECHNIC PUNE	D1 ZONAL SPORT MEET	PARTICIPATED
29	BHOR VISHAL BABAN	THIRD YEAR	STATE LEVEL	KHO-KHO	SAMARTH POLYTECHNIC BELHE	D1 ZONAL LEVEL SPORT MEET	PARTICIPATED
30	WABLE SANKET GORAKSHANATH	THIRD YEAR	UNIVERSITY LEVEL	CRICKET	BHIVARABAI SAVANT POLYTECHNIC PUNE	D1 ZONAL SPORT MEET	PARTICIPATED

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (100)

Total Marks 100.00

Define the Program specific outcomes

PSO1	DIPLOMA ENGINEERS ABLE TO APPLY BAS
PSO2	DIPLOMA ENGINEERS ABLE TO IDENTIFY ,,
PSO3	DIPLOMA ENGINEERS ABLE TO EXHIBIT SC

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 02	Course Year :	2019-20
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Course Name	Statements
C1 02.1	ESTIMATE ERROR IN MEASUREMENTS OF PHYSICAL QUANTITIES
C1 02.2	APPLY THE PRINCIPLES OF ELECTRICITY AND MAGNETISM TO SOLVE ENGINEERING PROBLEMS
C1 02.3	USE THE BASIC PRINCIPLES OF HEAT AND OPTICS IN RELATED ENGINEERING APPLICATIONS
C1 02.4	APPLY THE CATALYSIS PROCESS IN INDUSTRIES
C1 02.5	USE CORROSION PREVENTIVE MEASURES IN INDUSTRY
C1 02.6	USE RELEVANT ENGINEERING MATERIALS IN INDUSTRY

Course Name :	C1 07	Course Year :	2019-20
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Course Name	Statements
C1 07.1	STUDENTS WILL BE ABLE TO DRAW PROJECTION OF 2D AND 3D STANDARD REGULAR ENTITIES.
C1 07.2	STUDENTS WILL BE ABLE TO DRAW SECTIONAL VIEWS OF OBJECT.
C1 07.3	STUDENTS WILL BE ABLE TO DRAW ORTHOGRAPHIC SECTIONAL VIEWS AND MISSING VIEW.
C1 07.4	STUDENTS WILL BE ABLE TO DRAW AUXILIARY VIEWS OF OBJECT.
C1 07.5	STUDENTS WILL BE ABLE TO USE VARIOUS DRAWING CODES, CONVENTIONS AND SYMBOLS AS PER IS SP-46 IN ENGINEERING DRAWING.
C1 07.6	STUDENTS WILL BE ABLE TO DRAW FREE HAND SKETCHES OF GIVEN ENGINEERING ELEMENTS.

Course Name :	C2 42	Course Year :	2019-20
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Course Name	Statements
C2 42.1	SELECT THE RELEVANT INSTRUMENT FOR MEASUREMENT.
C2 42.2	USE DIFFERENT TYPES OF COMPARATORS
C2 42.3	SELECT GAUGES, FITS AND TOLERANCES FOR MACHINE COMPONENTS.
C2 42.4	USE RELEVANT INSTRUMENTS TO MEASURE DIFFERENT PARAMETERS OF SCREW THREAD AND GEAR.
C2 42.5	USE LINEAR AND ANGULAR MEASURING INSTRUMENTS.
C2 42.6	SELECT RELEVANT SURFACE TESTING METHODS

Course Name :	C2 46	Course Year :	2019-20
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Course Name	Statements
C2 46.1	PRODUCTION JOB USING LATHE AND DRILLING MACHINES.
C2 46.2	PRODUCTION JOB USING SHAPING AND SLOTTING OPERATIONS.
C2 46.3	PREPARE A PRODUCT USING DIFFERENT CASTING PROCESS.
C2 46.4	PREPARE A PRODUCT USING DIFFERENT FORMING PROCESS.

C2 46.5	USE JOINING PROCESS TO PRODUCE JOBS.
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Course Name :	C3 63	Course Year :	2019-20
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Course Name	Statements
C3 63.1	MAINTAIN THE NON-CONVENTIONAL MACHINING PROCESS TO PRODUCES COMPLEX AND HARD TO MACHINE COMPONENTS.
C3 63.2	PRODUCE COMPONENTS USING MILLING MACHINE.
C3 63.3	CHOOSE RELEVANT MACHINING PROCESS TO PRODUCE GEAR
C3 63.4	MAINTAIN CNC MACHINE TO PRODUCE COMPONENTS EFFECTIVELY
C3 63.5	PREPARE CNC PART PROGRAM FOR SIMPLE COMPONENTS.
C3 63.6	MAINTAIN THE FUNCTIONING OF AUTOMATED EQUIPMENT.

Course Name :	C3 55	Course Year :	2019-20
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Course Name	Statements
C3 55.1	IDENTIFY VARIOUS COMPONENTS OF HYDRAULIC & PNEUMATIC SYSTEMS.
C3 55.2	SELECT PUMP AND ACTUATORS FOR GIVEN FLUID OPERATED SYSTEM.
C3 55.3	SELECT APPROPRIATE CONTROL VALVES FOR GIVEN FLUID OPERATED SYSTEM.
C3 55.4	SELECT COMPRESSOR AND APPROPRIATE ACCESSORIES FOR GIVEN FLUID OPERATED SYSTEM
C3 55.5	DEVELOP DIFFERENT HYDRAULIC CIRCUITS FOR GIVEN SIMPLE APPLICATION.
C3 55.6	DEVELOP DIFFERENT PNEUMATIC CIRCUITS FOR GIVEN SIMPLE APPLICATION.

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 : C202

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C102.1	2 ✓	1 ✓	1 ✓	2 ✓	- ✓	- ✓	2 ✓
C102.2	2 ✓	1 ✓	1 ✓	1 ✓	- ✓	- ✓	2 ✓
C102.3	2 ✓	1 ✓	1 ✓	1 ✓	- ✓	- ✓	2 ✓
C102.4	1 ✓	1 ✓	1 ✓	1 ✓	- ✓	- ✓	1 ✓
C102.5	2 ✓	2 ✓	1 ✓	2 ✓	- ✓	- ✓	2 ✓
C102.6	3 ✓	2 ✓	1 ✓	3 ✓	- ✓	- ✓	2 ✓
Average	2.00	1.33	1.00	1.67	0.00	0.00	1.83

2 . course name : C207

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C107.1	3 ✓	3 ✓	2 ✓	1 ✓	- ✓	2 ✓	3 ✓
C107.2	3 ✓	3 ✓	2 ✓	2 ✓	- ✓	3 ✓	2 ✓
C107.3	3 ✓	3 ✓	3 ✓	1 ✓	- ✓	3 ✓	3 ✓
C107.4	2 ✓	3 ✓	2 ✓	2 ✓	- ✓	3 ✓	3 ✓
C107.5	2 ✓	3 ✓	3 ✓	2 ✓	- ✓	3 ✓	3 ✓
C107.6	3 ✓	3 ✓	3 ✓	1 ✓	- ✓	3 ✓	3 ✓
Average	2.67	3.00	2.50	1.50	0.00	2.83	2.83

3 . course name : C342

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C242.1	3 ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼
C242.2	3 ▼	2 ▼	1 ▼	2 ▼	- ▼	- ▼	1 ▼
C242.3	3 ▼	2 ▼	2 ▼	2 ▼	- ▼	- ▼	1 ▼
C242.4	3 ▼	2 ▼	2 ▼	2 ▼	- ▼	- ▼	1 ▼
C242.5	3 ▼	2 ▼	2 ▼	1 ▼	- ▼	- ▼	1 ▼
C242.6	3 ▼	2 ▼	2 ▼	2 ▼	- ▼	- ▼	1 ▼
Average	3.00	1.83	1.80	1.80	0.00	0.00	1.00

4 . course name : C346

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C246.1	3 ▼	3 ▼	3 ▼	3 ▼	- ▼	2 ▼	3 ▼
C246.2	3 ▼	1 ▼	3 ▼	3 ▼	- ▼	2 ▼	3 ▼
C246.3	3 ▼	1 ▼	3 ▼	3 ▼	- ▼	2 ▼	2 ▼
C246.4	2 ▼	1 ▼	3 ▼	3 ▼	- ▼	2 ▼	3 ▼
C246.5	3 ▼	1 ▼	3 ▼	3 ▼	- ▼	2 ▼	3 ▼
Average	2.80	1.40	3.00	3.00	0.00	2.00	2.80

5 . course name : C463

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C363.1	3 ▼	3 ▼	3 ▼	3 ▼	- ▼	2 ▼	3 ▼
C363.2	3 ▼	1 ▼	1 ▼	3 ▼	- ▼	2 ▼	3 ▼
C363.3	3 ▼	2 ▼	1 ▼	3 ▼	- ▼	2 ▼	3 ▼
C363.4	3 ▼	3 ▼	3 ▼	1 ▼	- ▼	1 ▼	3 ▼
C363.5	3 ▼	1 ▼	1 ▼	3 ▼	- ▼	2 ▼	3 ▼
C363.6	3 ▼	3 ▼	3 ▼	2 ▼	- ▼	2 ▼	3 ▼
Average	3.00	2.17	2.00	2.50	0.00	1.83	3.00

6 . course name : C455

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C355.1	3 ▼	2 ▼	1 ▼	2 ▼	- ▼	- ▼	3 ▼
C355.2	3 ▼	2 ▼	1 ▼	2 ▼	- ▼	- ▼	3 ▼
C355.3	3 ▼	2 ▼	2 ▼	2 ▼	- ▼	- ▼	3 ▼
C355.4	3 ▼	2 ▼	2 ▼	1 ▼	- ▼	- ▼	3 ▼
C355.5	3 ▼	2 ▼	1 ▼	1 ▼	- ▼	- ▼	3 ▼
C355.6	3 ▼	2 ▼	2 ▼	1 ▼	- ▼	- ▼	3 ▼
Average	3.00	2.00	1.50	1.50	0.00	0.00	3.00

1 . Course Name : C202

Course	PSO1	PSO2	PSO3
C102.1	1 ▼	1 ▼	- ▼
C102.2	1 ▼	1 ▼	- ▼
C102.3	1 ▼	1 ▼	- ▼

C102.4	1	▼	1	▼	-	▼
C102.5	1	▼	1	▼	-	▼
C102.6	1	▼	1	▼	-	▼
Average	1.00		1.00		0.00	

2 . Course Name : C207

Course	PSO1	PSO2	PSO3	
C107.1	3	▼	3	▼
C107.2	3	▼	3	▼
C107.3	3	▼	3	▼
C107.4	3	▼	3	▼
C107.5	3	▼	3	▼
C107.6	3	▼	3	▼
Average	3.00		3.00	
			0.00	

3 . Course Name : C342

Course	PSO1	PSO2	PSO3	
C242.1	2	▼	-	▼
C242.2	2	▼	1	▼
C242.3	2	▼	1	▼
C242.4	2	▼	1	▼
C242.5	2	▼	1	▼
C242.6	2	▼	1	▼
Average	2.00		1.00	
			0.00	

4 . Course Name : C346

Course	PSO1	PSO2	PSO3	
C246.1	3	▼	3	▼
C246.2	3	▼	3	▼
C246.3	3	▼	3	▼
C246.4	3	▼	3	▼
C246.5	3	▼	3	▼
Average	3.00		3.00	

5 . Course Name : C463

Course	PSO1	PSO2	PSO3	
C363.1	3	▼	3	▼
C363.2	3	▼	3	▼
C363.3	3	▼	3	▼
C363.4	3	▼	3	▼
C363.5	3	▼	3	▼
C363.6	3	▼	3	▼
Average	3.00		3.00	

6 . Course Name : C455

Course	PSO1	PSO2	PSO3
C355.1	3 ✓	2 ✓	- ✓
C355.2	3 ✓	2 ✓	- ✓
C355.3	3 ✓	2 ✓	- ✓
C355.4	3 ✓	2 ✓	- ✓
C355.5	3 ✓	2 ✓	- ✓
C355.6	3 ✓	2 ✓	- ✓
Average	3.00	2.00	0.00

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

Institute Marks

10.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
22001	1.80	2.00	1.80	2.20	1.80	2.00	1.80
22002	3.00	2.60	2.60	2.80	0.00	2.60	2.80
22004	3.00	2.00	2.00	3.00	2.00	2.00	2.00
22101	2.40	2.40	2.80	1.40	1.20	1.40	1.60
22102	2.00	1.33	2.33	1.67	0.00	0.00	1.83
22103	3.00	1.80	1.00	0.00	0.00	0.00	1.00
22009	2.40	2.40	2.80	1.40	1.20	1.40	1.60
22010	3.00	2.00	2.00	3.00	2.00	2.00	2.00
22202	1.83	2.17	2.50	1.67	1.67	1.83	2.17
22203	3.00	3.00	1.00	1.00	0.00	2.00	2.67
22206	2.80	2.00	2.00	0.00	0.00	2.00	1.80
22207	2.67	3.00	2.50	1.50	0.00	2.83	2.83
22306	3.00	3.00	3.00	1.17	0.00	1.00	0.00
22310	2.00	1.50	1.83	1.33	0.00	0.00	1.00
22337	2.33	2.00	1.50	2.50	0.00	0.00	1.83
22341	2.80	3.00	2.20	2.00	0.00	3.00	3.00
22342	3.00	1.83	1.80	1.80	0.00	0.00	1.00
22343	3.00	1.00	2.00	2.00	0.00	0.00	1.00
22042	3.00	3.00	3.00	3.00	0.00	0.00	2.00
22048	2.00	1.50	2.00	1.67	0.00	0.00	1.33
22438	3.00	3.00	3.00	1.00	0.00	0.00	0.00
22443	2.00	2.00	3.00	3.00	1.00	0.00	0.00
22445	3.00	3.00	3.00	2.67	2.00	1.33	1.33
22446	2.80	1.40	3.00	3.00	0.00	2.00	2.80
22447	2.40	2.40	2.80	2.40	2.20	2.20	2.40
22053	2.33	2.33	2.33	2.33	0.00	0.00	1.67
22057	3.00	2.00	0.00	0.00	2.00	1.20	3.00
22058	3.00	2.43	2.29	1.86	1.86	2.00	3.00
22509	0.00	0.00	0.00	0.00	3.00	3.00	2.00
22562	2.80	2.80	2.80	2.80	1.00	1.00	1.00
22563	3.00	2.17	2.00	2.50	0.00	1.83	3.00
22564	3.00	3.00	2.83	1.83	0.00	0.00	1.50
22566	3.00	3.00	2.00	2.00	1.83	0.00	2.00
22032	3.00	2.00	1.00	0.00	0.00	1.80	3.00
22060	2.38	2.00	1.67	1.57	1.67	1.50	2.38
22652	2.00	2.00	3.00	1.60	1.00	0.00	1.00
22655	3.00	2.00	1.50	1.50	0.00	0.00	3.00
22656	2.00	2.00	3.00	0.00	2.67	1.17	1.50
22657	3.00	1.20	2.00	3.00	1.20	1.20	0.00
22660	2.33	3.00	3.00	2.20	1.50	2.17	2.83

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

Course	PSO1	PSO2	PSO3
22001	1.00	1.00	1.2
22002	3.00	3.00	0.00
22004	0.00	3.00	3.00
22101	1.00	1.00	1.00
22102	1.00	1.00	1.00
22103	0.00	1.00	0.00
22009	1.00	1.00	1.00
22010	0.00	3.00	3.00
22202	1.00	1.00	1.00
22203	1.17	1.50	0.00
22206	1.00	1.00	2.20
22207	3.00	3.00	0.00
22306	0.00	2.00	0.00
22310	2.00	1.00	0.00
22337	1.67	1.67	0.00
22341	2.80	2.60	0.00
22342	2.00	1.00	0.00
22343	2.00	0.00	0.00
22042	3.00	2.00	1.00
22048	1.83	1.83	1.83
22438	0.00	2.50	0.00
22443	2.67	3.00	0.00
22445	3.00	3.00	0.00
22446	3.00	3.00	3.00
22447	0.00	1.00	1.00
22053	3.00	2.00	1.00
22057	3.00	0.00	2.00
22058	1.86	2.14	1.43
22509	0.00	1.00	0.00
22562	2.60	2.80	1.00
22563	3.00	3.00	3.00
22564	2.67	1.83	0.00
22566	3.00	2.00	0.00
22032	0.00	2.20	1.60
22060	2.00	1.71	2.50
22652	3.00	1.00	0.00
22655	3.00	2.00	0.00
22656	3.00	2.00	0.00
22657	3.00	1.00	0.00
22660	0.00	3.00	3.00

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

PO Assessment Tools

Assessment tools are categorized into direct and indirect methods to assess the program Specific outcomes, program outcomes and course outcomes.

- Direct method display the student knowledge and skill for their performance in the continuous assessment tools like Unit tests, end-semester Theory, Practical and oral examinations, Projects, seminars, Lab Test and assignments etc. these tools provide a sampling of what students know and/or can do and provide strong evidence of student learning.

- Indirect methods such as surveys and interviews ask the stakeholders to reflect on students learning. They assess opinions or thoughts about the graduates knowledge or skills and their valued by different stakeholders.
- Use of Rubrics for Evaluation and Assessment of POs- The Course/ Program outcomes are difficult to measure such as assessing critical thinking, creativity, analytical skills, and problem solving etc. Hence the department has adopted Criterion Referenced Rubrics to assess the POs and COs wherever appropriate. The Rubric criteria are either developed by department faculty for Direct and Indirect tools.

Direct Assessment Tools				
Sr. No	Direct Assessment Tool	Description of the Assessment Process	Assessment Frequency	AssessedBy
1	Board Theory Examination	The MSBTE theory examination is more focused on attainment of course outcome and program outcome using descriptive exam. The COs are measured by setting standards and calculating the numbers of students scoring above the set standards with the help of MSBTE theory exam. After declaration of MSBTE result, class, division, subject wise result analysis is carried out at department level. Accordingly the goal is set on the basis of pass students in subjects.	Once in semester	MSBTE board/ External Assessor
2	Board Practical/ Oral Examinations	As per teaching scheme of MSBTE, there are external oral examinations for certain subjects. On the basis of performance of the students in the respective oral tests, and the marks given by the examiner, their level of attainment in concerned subject is assessed.	Once in Semester	MSBTE board/ External Assessor
3	Unit Tests	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. This marks is counted in theory Progressive assessment, to be communicated to MSBTE shall be as per teaching Examination scheme.	Twice in a Semester	Subject Teacher
4	Chapter wise Assignments	At the start of every chapter, concerned subject teacher provides assignment on that chapter, to the extent possible, based on previous Board Exam questions. Students are required to complete and submit the assignments immediately after completion of chapter syllabus and get them checked.	After each chapter	Subject Teacher
5	Lab Manuals	Lab Manuals can be one of the measuring criteria to mainly assess student's practical knowledge with their designing capabilities. After completion of each experiment, student is required to write the detailed procedure for conducting experiment along with result and conclusions in the manuals provided by MSBTE and get them checked. Evaluation of marks is based on <i>'The Process</i> and <i>'Product</i> related skills associated with each PPO is to be assessed Lab Manual marks to be filled in D3 Format given by MSBTE.	After every experiment	Practical Teacher
6	Project	Student is required to enter progress of project work in project diary on weekly basis and get it endorsed from project guide. After completion of project, students are required to submit project reports which are evaluated internally by the project guide and external examiner appointed by the MSBTE.	Once in a Diploma Program me/semester	Guide & External examiner
7	Seminars	The seminars create interest among groups of students about new trends in their respective fields. They help the students to gain more advanced knowledge about the research in their fields. They also make the students to learn the ways in which they are expected to represent their ideas. The seminars are linked with the particular COs and accordingly attainment of CO is calculated.	Once in semester	Guide
8	Lab Test/ ESE- PR	Lab Test can be one of the measuring criteria to mainly assess student's practical knowledge with their designing capabilities. After completion of semester student has to perform experiment for internal performance. Lab test marks to be filled in D5 Format given by MSBTE. In 1 scheme End Semester Examination –	Once in semester	Internal evaluator

9	Skill Test	Skill Test can be one of the measuring criteria to mainly assess student's practical knowledge with their designing Capabilities of course. After completion of semester student has to give skill test for internal performance. Skill test marks to be filled in D5 Format given by MSBTE.	Once in semester	Internal evaluator
10	Micro project	Only one micro-project is planned to be undertaken by a student that needs to be assigned to him/her in the beginning of the semester. In the first four semesters, the micro-project are group-based. However, in the fifth and sixth semesters, it should be preferably be group/individual undertaken to build up the skill and confidence in every student to become problem solver so that s/he contributes to the projects of the industry.	Once in semester	Internal evaluator

Indirect Assessment Tools				
Sr. No	Indirect Assessment Tool	Description of the Assessment Process	Assessment Frequency	Assessed By
1	Alumni Survey	Collect variety of information about Program Satisfaction and college from the Alumni students.	Once in Year	T&P Officer
2	Exit Survey	Collect variety of information about program Satisfaction and college from the final year students.	Once in Year	T&P Officer
3	Parent Survey	Collect variety of information about program satisfaction and college from parents.	Once in Year	T&P Officer
4	Employer's Feedback Form	Collect variety of information about the graduates' skills, capabilities and opportunities.	Once in Year	T&P Officer
5	Student Feedback (About OBE)	Collect variety of information about outcome based education in teaching and learning process.	Once in Year	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

The results of internal and MSBTE Board Examination is linked with CO attainment process as given below:

Measuring Course Outcomes attained through Board Examinations:

The results of MSBTE Examinations are not available explicitly co-relating to individual CO. So, we have considered the MSBTE examination results as average basis of attainments of all COs. The Course Outcomes are measured through a comparison of all students' results of each. Department set target average percentage as 40% for all courses.

The procedure to decide attainment level is as follows:

- If 50 % students score more than set target average percentage in the final examination, the attainment level is considered to be: 1
- If 55 % students score more than set target average percentage in the final Examination, the attainment level is considered to be: 2
- If 60 % students score more than set target average percentage in the final examination, the attainment level is considered to be: 3

If the targets are achieved, all the course outcomes are attained for that year. As the part of continuous improvement, higher targets are set for the next semester/ board examination. If the targets are not achieved, an action plan is made to achieve the expected results in the upcoming board examinations.

Measuring Course Outcomes attained through Internal Assessments:

In order to decide the attainment in internal performance of students, the marks obtained in each internal assessment instruments such as assignments, unit tests, manuals, skill tests, Lab Test, project seminar and microproject are calculated and they are compared with the set average score of the whole class in respective internal assessment instruments.

For each tool set target average percentage is 60%. The procedure to decide attainment level is as follows:

- If 50 % students score more than set target average percentage in the respective internal assessment instruments, the attainment level is considered to be:1
- If 55 % students score more than set target average percentage of marks in the respective internal assessment instruments, the attainment level is considered to be:2
- If 60 % students score more than set target average percentage of marks in the respective internal assessment instruments, the attainment level is considered to be:3

If the targets are achieved, all the course outcomes are attained for that year. As the part of continuous improvement, higher targets are set for the next semester. If the targets are not achieved, an action plan is made to achieve the expected results in the upcoming years.

CO Attainment for AY - 2018-19				
Course Name	Course Code	Attainment through Internal Assessment	Attainment through Board Examination	Overall CO Attainment

FUNDAMENTALS OF ICT	22001	3.00	-	3.00
ENGINEERING GRAPHICS	22002	3.00	-	3.00
WORKSHOP PRACTICE	22004	3.00	-	3.00
ENGLISH	22101	3.00	0.00	0.60
BASIC SCIENCE	22102	3.00	2.00	2.20
BASIC MATHEMATICS	22103	3.00	3.00	3.00
BUSINESS COMMUNICATION USING COMPUTERS	22009	3.00	-	3.00
MECHANICAL ENGINEERING WORKSHOP	22010	3.00	3.00	3.00
APPLIED SCIENCE	22202	3.00	1.50	1.8
APPLIED MECHANICS	22203	2.91	3.00	2.98
APPLIED MATHEMATICS	22206	2.9	0.00	0.58
ENGINEERING DRAWING	22207	2.96	3.00	2.99
STRENGTH OF MATERIAL	22306	2.95	0.00	0.59
BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	22310	3.00	0.00	0.60
THERMAL ENGINEERING	22337	3.00	0.00	0.60
MECHANICAL WORKING DRAWING	22341	3.00	1.00	1.4
ENGINEERING METROLOGY	22342	2.96	1.50	1.79
MECHANICAL ENGINEERING MATERIAL	22343	2.63	2.00	2.13
COMPUTER AIDED DRAFTING	22042	3.00	3.00	3.00
FUNDAMENTALS OF MECHATRONICS	22048	3.00	3.00	3.00
THEORY OF MACHINE	22438	2.70	3.00	2.94
MECHANICAL ENGINEERING MEASUREMENT	22443	3.00	2.00	2.05
FLUID MECHANICS AND MACHINERY	22445	3.00	1.50	1.56
MANUFACTURING PROCESSES	22446	3.00	3.00	3.00
ENVIRONMENTAL STUDIES	22447	3.00	0.00	0.60
CNC MACHINES	17064	3.00	3.00	3.00
PROFESSIONAL PRACTICES - III / INDUSTRIAL TRAINING (OPTIONAL)**	17065	3.00	-	3.00
BEHAVIOURAL SCIENCE	17075	3.00	3.00	3.00
AUTOMOBILE ENGINEERING	17526	3.00	3.00	3.00
ADVANCED MANUFACTURING	17527	3.00	3.00	3.00
MEASUREMENT & CONTROL	17528	3.00	3.00	3.00
POWER ENGINEERING	17529	3.00	3.00	3.00
METROLOGY AND QUALITY CONTROL	17530	2.80	3.00	2.96
SOLID MODELLING	17063	3.00	3.00	3.00
PROJECT	17090	3.00	3.00	3.00
ENTREPRENEURSHIP DEVELOPMENT	17099	3.00	-	3.00
MANAGEMENT	17601	3.00	3.00	3.00

INDUSTRIAL FLUID POWER	17608	3.00	3.00	3.00
PRODUCTION ENGINEERING & ROBOTICS	17609	3.00	3.00	3.00
DESIGN OF MACHINE ELEMENTS	17610	3.00	3.00	3.00
REFRIGERATION & AIR CONDITIONING	17612	3.00	3.00	3.00

CO Attainment for AY - 2019-20				
Course Name	Course Code	Attainment through Internal Assessment	Attainment through Board Examination	Overall CO Attainment
FUNDAMENTALS OF ICT	22001	3.00	-	3.00
ENGINEERING GRAPHICS	22002	3.00	-	3.00
WORKSHOP PRACTICE	22004	3.00	-	3.00
ENGLISH	22101	2.52	2.50	2.50
BASIC SCIENCE	22102	3.00	1.50	1.80
BASIC MATHEMATICS	22103	2.39	0.00	0.48
BUSINESS COMMUNICATION USING COMPUTERS	22009	3.00	-	3.00
MECHANICAL ENGINEERING WORKSHOP	22010	3.00	3.00	3.00
APPLIED SCIENCE	22202	3.00	3.00	3.00
APPLIED MECHANICS	22203	3.00	3.00	3.00
APPLIED MATHEMATICS	22206	3.00	3.00	3.00
ENGINEERING DRAWING	22207	3.00	3.00	3.00
STRENGTH OF MATERIAL	22306	2.75	0.00	0.55
BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	22310	2.9	0.00	0.58
THERMAL ENGINEERING	22337	2.7	0.00	0.54
MECHANICAL WORKING DRAWING	22341	2.85	3.00	2.97
ENGINEERING METROLOGY	22342	2.71	1.50	1.74
MECHANICAL ENGINEERING MATERIAL	22343	2.63	2.50	2.53
COMPUTER AIDED DRAFTING	22042	3.00	3.00	3.00
FUNDAMENTALS OF MECHATRONICS	22048	3.00	3.00	3.00

THEORY OF MACHINE	22438	2.92	3.00	2.98
MECHANICAL ENGINEERING MEASUREMENT	22443	2.96	3.00	2.99
FLUID MECHANICS AND MACHINERY	22445	2.50	3.00	2.90
MANUFACTURING PROCESSES	22446	3.00	3.00	3.00
ENVIRONMENTAL STUDIES	22447	3.00	3.00	3.00
SOLID MODELLING AND ADDITIVES MANUFACTURING	22053	3.00	3.00	3.00
INDUSTRIAL TRAINING	22057	3.00	3.00	3.00
CAPSTONE PROJECT PLANNING	22058	3.00	-	3.00
MANAGEMENT	22509	2.90	3.00	2.98
POWER ENGINEERING AND REFRIGERATION	22562	3.00	3.00	3.00
ADVANCED MANUFACTURING PROCESS	22563	3.00	3.00	3.00
ELEMENTS OF MACHINE DESIGN	22564	2.92	3.00	2.99
POWER PLANT ENGINEERING	22566	2.70	3.00	2.94
ENTREPRENEURSHIP DEVELOPMENT	22032	3.00	-	3.00
CAPSTONE PROJECT EXECUTION AND REPORT WRITING	22060	3.00	3.00	3.00
ENGINEERING TRENDS IN MECHANICAL ENGINEERING	22652	3.00	3.00	3.00
INDUSTRIAL HYDRAULICS AND PNEUMATICS	22655	3.00	3.00	3.00
AUTOMOBILE ENGINEERING	22656	3.00	3.00	3.00
INDUSTRIAL ENGINEERING AND QUALITY CONTROL	22657	3.00	3.00	3.00
REFRIGERATION AND AIR CONDITION	22660	3.00	3.00	3.00

CO Attainment for AY - 2020-21

Course Name	Course Code	Attainment through Internal Assessment	Attainment through Board Examination	Overall CO Attainment
FUNDAMENTALS OF ICT	22001	3.00	-	3.00
ENGINEERING GRAPHICS	22002	3.00	-	3.00

WORKSHOP PRACTICE	22004	3.00	-	3.00
ENGLISH	22101	3.00	3.00	3.00
BASIC SCIENCE	22102	3.00	3.00	3.00
BASIC MATHEMATICS	22103	3.00	3.00	3.00
BUSINESS COMMUNICATION USING COMPUTERS	22009	3.00	-	3.00
MECHANICAL ENGINEERING WORKSHOP	22010	3.00	3.00	3.00
APPLIED SCIENCE	22202	2.86	3.00	2.97
APPLIED MECHANICS	22203	2.94	2.00	2.19
APPLIED MATHEMATICS	22206	3.00	2.00	2.20
ENGINEERING DRAWING	22207	3.00	3.00	3.00
STRENGTH OF MATERIAL	22306	3.00	3.00	3.00
BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	22310	3.00	3.00	3.00
THERMAL ENGINEERING	22337	3.00	3.00	3.00
MECHANICAL WORKING DRAWING	22341 A	2.77	3.00	2.95
ENGINEERING METROLOGY	22342	3.00	3.00	3.00
MECHANICAL ENGINEERING MATERIAL	22343	3.00	3.00	3.00
COMPUTER AIDED DRAFTING	22042	3.00	3.00	3.00
FUNDAMENTALS OF MECHATRONICS	22048	3.00	3.00	3.00
THEORY OF MACHINE	22438	2.81	3.00	2.96
MECHANICAL ENGINEERING MEASUREMENT	22443	3.00	3.00	3.00
FLUID MECHANICS AND MACHINERY	22445	3.00	3.00	3.00
MANUFACTURING PROCESSES	22446	3.00	3.00	3.00
ENVIRONMENTAL STUDIES	22447	3.00	3.00	3.00
SOLID MODELLING AND ADDITIVES MANUFACTURING	22053	3.00	3.00	3.00
INDUSTRIAL TRAINING	22057	3.00	3.00	3.00
CAPSTONE PROJECT PLANNING	22058	3.00	-	3.00
MANAGEMENT	22509	3.00	3.00	3.00
POWER ENGINEERING AND REFRIGERATION	22562	3.00	3.00	3.00
ADVANCED MANUFACTURING PROCESS	22563	3.00	3.00	3.00
ELEMENTS OF MACHINE DESIGN	22564	2.97	3.00	2.99
POWER PLANT ENGINEERING	22566	3.00	3.00	3.00
ENTREPRENEURSHIP DEVELOPMENT	22032	3.00	-	3.00
CAPSTONE PROJECT EXECUTION AND REPORT WRITING	22060	3.00	3.00	3.00
ENGINEERING TRENDS IN MECHANICAL ENGINEERING	22652	3.00	3.00	3.00
INDUSTRIAL HYDRAULICS AND PNEUMATICS	22655	3.00	3.00	3.00
AUTOMOBILE ENGINEERING	22656	2.97	3.00	2.99
INDUSTRIAL ENGINEERING AND QUALITY CONTROL	22657	3.00	3.00	3.00

REFRIGERATION AND AIR CONDITION	22660	3.00	3.00	3.00
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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

PO Assessment Tools

Assessment tools are categorized into direct and indirect methods to assess the program Specific outcomes, program outcomes and course outcomes.

- Direct method display the student knowledge and skill for their performance in the continuous assessment tools like Unit tests, end-semester Theory, Practical and oral examinations, Projects, seminars, Lab Test and assignments etc. these tools provide a sampling of what students know and/or can do and provide strong evidence of student learning.
- Indirect methods such as surveys and interviews ask the stakeholders to reflect on students learning. They assess opinions or thoughts about the graduates knowledge or skills and their valued by different stakeholders.
- Use of Rubrics for Evaluation and Assessment of POs- The Course/ Program outcomes are difficult to measure such as assessing critical thinking, creativity, analytical skills, and problem solving etc. Hence the department has adopted Criterion Referenced Rubrics to assess the POs and COs wherever appropriate. The Rubric criteria are either developed by department faculty for Direct and Indirect tools.

The expected level of attainment for each of the Program Outcomes:

The program outcomes are assessed with the help of course outcomes of the relevant Courses through direct and indirect methods.

This direct assessment is given 80% weightage whereas indirect assessment is given 20% weightage. Weighted average is calculated for all POs and PSOs.

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
22001	1.80	2.00	1.80	2.20	1.80	2.00	1.80
22002	2.95	2.56	2.56	2.75	0	2.56	2.75
22004	3.00	2.00	2.00	3.00	2.00	2.00	2.00
22101	2.00	2.00	2.34	1.17	1.00	1.17	1.34
22102	1.20	0.80	0.60	1.00	0	0	1.10
22103	0.48	0.29	0.16	0	0	0	0.16
22009	2.40	2.40	2.80	1.40	1.20	1.40	1.60
22010	3.00	2.00	2.00	3.00	2.00	2.00	2.00
22202	1.83	2.17	2.50	1.67	1.67	1.83	2.17
22203	3.00	3.00	1.00	1.00	0	2.00	2.67
22206	2.80	2.00	2.00	0	0	2.00	1.80
22207	2.67	3.00	2.50	1.50	0	2.83	2.83
22306	0.55	0.55	0.55	0.21	0	0.18	0
22310	0.39	0.29	0.35	0.26	0	0	0.19
22337	0.42	0.36	0.27	0.45	0	0	0.33
22341	2.77	2.97	2.18	1.98	0	2.97	2.97
22343	2.53	0.84	1.68	1.68	0	0	0.84
22042	3.00	3.00	3.00	3.00	0	0	2.00
22048	2.00	1.50	2.00	1.67	0	0	1.33
22438	2.98	2.98	2.98	0.99	0	0	0
22443	1.99	1.99	2.99	2.99	1.00	0	0
22445	2.90	2.90	2.90	2.58	1.93	1.29	1.29
22446	2.80	1.40	3.00	3.00	0	2.00	2.80
22447	2.40	2.40	2.80	2.40	2.20	2.20	2.40

22053	2.33	2.33	2.33	2.33	2.33	0	0	1.67
22057	3.00	2.00	0	0	2.00	1.20	3.00	
22058	3.00	2.43	2.29	1.86	1.86	2.00	3.00	
22509	0	0	0	0	2.98	2.98	1.99	
22562	2.8	2.8	2.8	2.8	1.00	1.00	1.00	
22563	3.00	2.17	2.00	2.50	0	1.83	3.00	
22564	2.98	2.98	2.81	1.82	0	0	1.49	
22566	2.94	2.94	1.96	1.96	1.79	0	1.96	
22032	3.00	2.00	1.00	0	0	1.80	3.00	
22060	2.38	2.00	1.67	1.57	1.67	1.50	2.38	
22652	2.00	2.00	3.00	1.60	1.00	0	1.00	
22655	3.00	2.00	1.50	1.50	0	0	3.00	
22656	2.00	2.00	3.00	0	2.67	1.17	1.50	
22657	3.00	1.20	2.00	3.00	1.20	1.20	0	
22660	2.33	3.00	3.00	2.20	1.50	2.17	2.83	
22342	1.74	1.06	1.05	1.05	0	0	0.58	

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.34	2.01	2.04	1.88	1.71	1.81	1.88
Indirect Attainment	3.00	3.00	3.00	3.00	3.00	3.00	3.00
PO Attainment	2.47	2.21	2.23	2.10	1.97	2.05	2.10

PSO Attainment

Course	PSO1	PSO2	PSO3
22001	1.00	1.00	1.20
22002	2.95	2.95	0
22004	0	3.00	3.00
22101	0.83	0.83	0.83
22102	0.60	0.60	0
22103	0	0.16	0
22009	1.00	1.00	1.00
22010	0	3.00	3.00
22202	1.00	1.00	1.00
22203	1.17	1.50	0
22206	1.00	1.00	2.20
22207	3.00	3.00	0
22306	0	0.37	0
22310	0.39	0.19	0
22337	0.30	0.18	0
22341	2.77	2.57	0
22342	1.16	0.58	0

22343	1.68	0	0
22042	3.00	2.00	1.00
22048	1.83	1.83	1.83
22438	0	2.49	0
22443	2.66	2.99	0
22445	2.90	2.90	0
22446	3.00	3.00	3.00
22447	0	1.00	1.00
22053	3.00	2.00	1.00
22057	3.00	0	2.00
22058	1.86	2.14	1.43
22509	0	0.99	0
22562	2.60	2.80	1.00
22563	3.00	3.00	3.00
22564	2.97	1.81	0
22566	2.93	2.76	0
22032	0	2.20	1.60
22060	2.00	2.00	2.50
22652	3.00	1.00	0
22655	3.00	2.00	0
22656	3.00	2.00	0
22657	3.00	1.00	0
22660	0	3.00	3.00

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	2.12	1.79	1.82
InDirect Attainment	3.00	3.00	3.00
PSO Attainment	2.30	2.03	2.06

4 STUDENTS' PERFORMANCE (200)

Total Marks 113.05

Intake Information:**Table 4.1**

Item	2020-21 (CAY)	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)	2016-17 (CAYm4)	2015-16 (CAYm5)
Sanctioned intake strength of the program((N)	60	60	60	120	120	120
Total number of students, admitted through state level counseling (N1)	29	36	36	31	44	64
Number of students, admitted through Institute level quota (N2)	7	2	1	3	2	5
Number of students, admitted through Lateral Entry (N3)	0	22	35	52	37	55
Total number of students admitted in the programme(N1 + N2 + N3)	36	60	72	86	83	124

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
2020-21	36	0	0	0
2019-20	60	35	0	0
2018-19	72	9	37	0
2017-18 (LYG)	86	6	16	16
2016-17 (LYGm1)	83	6	11	10
2015-16 (LYGm2)	124	13	16	13

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
2020-21	36	0	0	0
2019-20	60	35	0	0
2018-19	72	24	51	0
2017-18 (LYG)	86	17	36	30
2016-17 (LYGm1)	83	25	34	28
2015-16 (LYGm2)	124	27	50	48

4.1 Enrolment Ratio (20)

Total Marks 12.00

Institute Marks

12.00

	N (From Table 4.1)	N1 + N2 (From Table 4.1)	Enrollment Ratio [(N1 + N2 / N)*100]
2020-21	60	36	60.00
2019-20	60	38	63.33
2018-19	60	37	61.67

Average [(ER1 + ER2 + ER3) / 3] : 61.67

Assessment : 12.00

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

Total Marks 12.80

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

Institute Marks

5.60

Item	Last Year Graduate (2017-18)	Last Year Graduate Minus 1 Batch (2016-17)	Last Year Graduate 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)	86.00	83.00	124.00
Number of students who have graduated without backlogs in the stipulated period (Y)	16.00	10.00	13.00
Success Index [SI = Y / X]	0.19	0.12	0.10

Average SI [(SI1 + SI2 + SI3) / 3] : 0.14

Assessment [40 * Average SI] : 5.60

4.2.2 Success rate in stipulated period (20)

Institute Marks

7.20

Item	Latest Year of Graduation, LYG (2017-18)	Latest Year of Graduation minus 1, LYGM1 (2016-17)	Latest Year of Graduation minus 2 LYGM2 (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)	86.00	83.00	124.00
Number of students who have passed in the stipulated period (Y)	30.00	28.00	48.00
Success Index [SI = Y / X]	0.35	0.34	0.39

Average SI[(SI1 + SI2 + SI3) / 3]: 0.36

Assessment [20 * Average SI] : 7.20

4.3 Academic Performance in Final Year (15)

Total Marks 9.61

Institute Marks

9.61

Academic Performance	2017-18 (LYG)	2016-17 (LYGM1)	2015-16(LYGM2)
Mean of CGPA or mean percentage of all successful students(X)	8.14	7.19	6.79
Total number of successful students(Y)	30.00	28.00	48.00
Total number of students appeared in the examination(Z)	36.00	34.00	50.00
API [X*(Y/Z)]:	6.78	5.92	6.52

Average API [(AP1 + AP2 + AP3)/3] : 6.41

Assessment [1.5 * Average API] : 9.61

4.4 Academic Performance in Second Year (20)

Total Marks 8.05

Institute Marks
8.05

Academic Performance	2018-19(CAYm2)	2017-18(LYG)	2016-17(LYGM1)
Mean of CGPA or mean percentage of all successful students(X)	6.45	6.54	5.62
Total number of successful students (Y)	51.00	36.00	34.00
Total number of students appeared in the examination (Z)	59.00	69.00	62.00
API [X * (Y/Z)]	5.58	3.41	3.08

Average API [(AP1 + AP2 + AP3)/3] : 4.02

Assessment [2.0 * AverageAPI] : 8.05

4.5 Academic Performance in First Year (25)

Total Marks 11.79

Institute Marks
11.79

Academic Performance	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (LYG)
Mean of CGPA or mean percentage of all successful students(X)	7.04	6.67	6.69
Total number of successful students(Y)	35.00	24.00	17.00
Total number of students appeared in the examination(Z)	38.00	37.00	34.00
API [X*(Y/Z)]:	6.48	4.33	3.34

Average API [(AP1 + AP2 + AP3)/3] : 4.72

Assessment [2.5 * AverageAPI] : 11.79

4.6 Placement and Higher Studies (40)

Total Marks 38.80

Institute Marks
38.80

Item	2017-18 (Last Year Graduate,LYG)	2016-17 (Last Year Graduate Minus 1 Batch,LYGM1)	2015-16 (Last Year Graduate Minus 2 Batch,LYGM2)
Total No of Final Year Students(N)	36.00	34.00	50.00
No of students placed in the companies or government sector(X)	13.00	20.00	25.00
No of students admitted to higher studies (Y)	11.00	13.00	19.00
No. of students turned entrepreneur in the respective field of engineering/technology (Z)	1.00	0.00	1.00
Placement Index [(1.25 * X) + Y + Z) / N]:	0.78	1.12	1.02

Average Placement [(P1 + P2 + P3)/3] : 0.97

Assessment [40 * Average Placement] : 38.80

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 : Mechanical Engg.

Assessment Year : 2019-20 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	GUNJAL TEJAS VASANT	1709920103	COIMBTUR MARINE ENG	001
2	SUMBARE DIGMBAR DAT	1709920122	ARCELOR MITTAL NIPPOI	YAS106998
3	TANGADKAR SIDDHANT E	1809920125	GESTAMP, MAHALUNGE	TMPCONO32114782
4	JORE TUSHAR SURESH	1809920102	MOTHERSON CHAKAN	REG. NO. 1000018
5	KADAM NAVNATH SUDAM	1809920103	SKF BEARINGS	ID : NP00092
6	GONDHALI MAHESH KISH	1809920097	JOHN DERE	2020-21/112434
7	DONGARE SAGAR BHAU	1809920090	Bosch chassis	T.N -C3786
8	LANGHE MININATH BALU	1809920108	KINETIC ELECTRICALS , V	001
9	FULSUNDAR DHANANJAY	1809920091	VEGA CONTROLS, KAND	001
10	DHAMAK SAGAR NAMDE	1809920088	CUMMINS INDIA	CIL/MFG/32
11	THORAT VISHAL VILAS	1809920120	Bosch chassis	T.N C2384
12	TODKAR ATUL SANJAY	1809920121	Bosch chassis	T.N C2391
13	ABHALE VISHAL DEVRAM	1809920074	Luft power engineering,	001

Assessment Year : 2018-19 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	NIMASE AKSHAY NAMDE	1609920034	Lahs green pvt. Ltd.	001
2	NALAWADE SAURABH VA	1609920036	TRIGO	TPUN2705201970688
3	MANE SOMNATH MAHADI	1609920040	Tata Motors Ltd.	001
4	DIVEKAR ABHISHEK BAL	1609920044	John dere	110915
5	POKHARKAR HARI DATTA	1609920055	L & T defence	TAS/TLGA/2020/HARI POK
6	IGHE ANIKET RAJU	1609920060	Midea india Pvt. Ltd.,supe	001
7	GUNJAL VAIBHAV PANDU	1609920062	L & T defence	TAS/TLGA/2020/VAIBHAV I
8	KANDHARE OMKAR MARI	1609920073	Bajaj Auto pvt. Ltd	13376622
9	THORAT SAMIR BANDHUI	1609920245	technocraft	001
10	BHOR GANESH NAVNATH	1709920184	John dere	110997
11	BHOR RUPESH BALASAH	1709920185	John dere	110769
12	BODAKE MANGESH YASI	1709920188	jabil ckt. India	001
13	GADGE RAHUL BHAU	1709920191	L & T defence	TAS/TLGA/2020/RAHUL G
14	KADUSKAR SUMIT CHIMA	1709920194	John dere	110969
15	KALE GANESH ANKUSH	1709920195	kehin fie	001
16	KHARMALE SANKET VIJA	1709920196	John dere	110849
17	LAMKHADE GENBHAU BA	1709920199	SIGMA ELECTRICALS	SIGMA/HR/WALK-IN/2020
18	MHATRE RAJ BHAGWAN	1709920201	John dere	111308
19	PAWAR TUSHAR BALASA	1709920203	TATA MOTORS	10981G22218866
20	AHER PRASANNA SAKHA	1709920234	sigma electricals ,chakan	001

Assessment Year : 2017-18 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	GAIKWAD PAVAN JALINDA	1509920105	Forbes marshal	HR:GC:APPREN:18
2	LANDE AKASH SURESH	1509920108	GE INDIA	2018-19/215750
3	POPALGHAT VIJAY ASHOI	1509920113	GE INDIA	001
4	RAUT VINAYAK PRAVIN	1509920114	JOHN DERE	109764
5	DAHALE VIKRANT SHARA	1509920123	Elring clinger	ElringKlinger/HR/C-2874/20
6	GAJARE KIRAN SUBHASH	1509920126	Epitome components pvt. It	ECPL/HR/28/01/19
7	JADHAV SIDDHARTH SUN	1509920133	Epitome components pvt. It	ECPL/HR/17/01/19
8	NIMASE KUNAL RAMESH	1509920142	BPCL	MR.HR.RLC.02.DIP.APR. 1
9	PANHALE SIDDHARTH KA	1509920144	Bajaj Auto india	HR/ EMP _DTEs 2018 Ba
10	PAWADE PRATIK SAVKAR	1509920145	GE INDIA	DEC 18, 2019/212740724
11	POKHARKAR AMIT BABAN	1509920147	GE INDIA	APRIL 1 ,2019
12	SHELKE RAHUL RAMDAS	1509920152	Advik Hi-Tech india Pvt. Ltd.	AHPL/CHR/L01/2019-06
13	SHINDE SAMEER BHIIKA	1509920154	Sigma Electricals	376398
14	SHINDE SANKET BALU	1509920155	Sigma Electricals	128989
15	JADHAR DASHARATH SO	1509920251	Sigma Electricals	SIGMA/HR/2015
16	BHOR AVINASH SUBHASH	1509920286	Sigma Electricals	SIGMA/HR/2015
17	BHOR MAHESH SUBHASH	1509920310	Sigma Electricals	SIGMA/HR/2015
18	NARAWADE SANKET SUR	1609920158	Align Components	01/08/2019
19	GAYAKHE AVINASH GANC	1609920162	GE INDIA	AUG 28,2019
20	DAPHAL AKASH GORAKH	1609920211	Hier india	App/2018-19/215750
21	SHELKE AMIT EKNATH	1609920227	zf india/ midea	AUG 12,2019
22	ROHOKALE DNYANDEV B	1609920232	GE India	JANUARY 15,2019
23	SALVI AKSHATA ANANT	1609920248	technocraft ,murbad	Technocrat /31 Oct, 2020
24	JADHAV SHANKAR DATTA	1309920153	Kehin fie	001
25	PAWADE ONKAR SARJER	1409920181	Haldex India P. Itd.	HIPL/2019/04/16

4.7 Professional Activities (20)

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

Total Marks 20.00

Institute Marks

10.00

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

Institute Marks

5.00

Academic Year	Event Name	Details	Professional Society
2020-21	Technical Poster Presentation	Technical Poster Presentation Organized By Mechanical Dept.	Samarth Polytechnic Belhe

Academic Year	Event Name	Details	Professional Society
2019-20	Quiz Competition	Technical Quiz Organized By Mechanical Dept.	Samarth Polytechnic Belhe
	English Quiz	Technical Quiz Organized By Science Dept.	Samarth Polytechnic Belhe
	Science Quiz	Technical Quiz Organized By Science Dept.	Samarth Polytechnic Belhe
	Math Quiz	Technical Quiz Organized By Science Dept.	Samarth Polytechnic Belhe
	Expert Lecture	Opportunities in Government Sector	Samarth Polytechnic Belhe

Academic Year	Event Name	Details	Professional Society
2018-19	Quiz Competition	Technical Quiz Organized By Mechanical Dept.	Samarth Polytechnic Belhe
	Workshop	National Level Workshop on Rapid Prototyping	Samarth Polytechnic Belhe
	Expert Lecture	Carrier Option in NDE & Inspection Field	Samarth Polytechnic Belhe
	Expert Lecture	Recent Trends in Mechanical Engineering	Samarth Polytechnic Belhe

B. Number, quality of engineering events (5)

Institute Marks

5.00

Sr.No.	Name of Event	Activity	Level of Competition	Number of Participants	Date	Year
1	TECHNICAL POSTER COMPETITION	POSTER COMPETITION	STATE LEVEL	55	17/06/2021	2020-21
2	TECHNO-SAPIEN-19	QUIZ COMPETITION	STATE LEVEL	51	28/09/2019	2019-20
3	ENGLISH QUIZ	QUIZ COMPETITION	STATE LEVEL	51		
4	SCIENCE QUIZ	QUIZ COMPETITION	STATE LEVEL	51		
5	MATH QUIZ	QUIZ COMPETITION	STATE LEVEL	51		
6	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	76	27/09/2018	2018-19

4.7.2 Publication of technical magazines, newsletters, etc. (5)

Institute Marks

3.00

A. Quality & Relevance of the contents and Print Material (3)

Institute Marks

3.00

Academic Year	Name of Editor	Technical Magazine, Newsletters	Publisher
2019-20	Students, Staff members and HOD	Newsletters 2019-20	Dept. of Mechanical Engineering
2019-20	Students, Staff members and Principal	TECHNO FLASH-2020	Samarth Polytechnic Belhe
2018-19	Students, Staff members and HOD	Newsletters 2018-19	Dept. of Mechanical Engineering
2018-19	Students, Staff members and Principal	TECHNO FLASH-2019	Samarth Polytechnic Belhe

B. Participation of Students from the program (2)

Institute Marks

2.00

No. of Technical Article			
	Year(2018-19)	Year(2019-20)	Year(2020-21)
First year	1	1	--
Second Year	2	2	1
Third Year	2	2	2

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

Institute Marks

5.00

Participation in Inter-Institute/State/National Events by Students of the Program of Study for AY - 2018-19								
Sr. No.	Student Name	Class	Organization	Event	Sub Event	Event Level	Date of Event	Achievement
1	BHAVESH SANDIP KUTE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
2	RUPESH BALASAHEB BHOR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
3	PRASHANT SANJAY JADHAV	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
4	AKSHAY NAMDEV GANGAD	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
5	VAIBHAV PANDURANG GUNJAL	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
6	SUMIT CHIMAJI KADUSKAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
7	SAMADHAN BHANUDAS PATHARE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
8	SAKHARAM AHER PRASANNA	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
9	RAHUL BHAU GADGE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
10	TUSHAR BALASAHEB PAWAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
11	PRASHANT NAMDEV PADWAL	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
12	SANKET RAJARAM ROHAKALE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
13	GAURAV ANIL AUTI	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
14	SURAJ RANU BORUDE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
15	PRAVIN SUKHDEO DAREKAR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED

16	KUNAL ANIL GHODAKE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
17	MAYURESH CHANDRAKANT WAMAN	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
18	PARAMANAND KAILAS DATE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
19	AMOL BALU SONAWANE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
20	ROHAN SUNIL NAIKWADI	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
21	VISHAL DEVRAM ABHALE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
22	ADESH SHIVAJI DHUMAL	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
23	ANANDA SAKHARAM BARAMATE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
24	VAISHNAV SHAMARAO BHAGADE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
25	GANESH UTTAM JAGADALE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
26	SHUBHAM BALASAHEB KADAM	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
27	NIKHIL VILAS RASAL	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
28	SAURABH VILAS BHALERAO	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
29	OMKAR MARUTI KANDHARE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
30	NIKHIL NAVNEET HINGE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
31	SOMNATH MAHADU MANE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
32	ROHIT RAMESH PAWAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
33	TUSHAR KAUSHIRAM KHEMNAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
34	SANDESH NAGESH VADAVALE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
35	RAJ BHAGWAN MHATRE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
36	AKSHAY NAMDEV NIMASE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
37	DEVENDRA SADASHIV CHIRATE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
38	SAMIR BANDHURAJ THORAT	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
39	SACHIN DAULAT DINKAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
40	PRADIP PANDURANG BANGAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
41	SWAPNIL DILIP BADHE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
42	SANKET VIJAY KHARMALE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
43	AKASH RAMDAS PANSARE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
44	SURAJ SUNIL PABALE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
45	DIPAK RAJENDRA HADAWALE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
46	ANIKET RAJU IGHE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
47	MANGESH YASHWANT BODAKE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED

48	SAMEER KAILAS DHAGE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
49	NETAJI BALU KHARADE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
50	SUJIT JALINDAR SAKURE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
51	AKSHAY RAMDAS WALUNJ	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
52	PRASAD VASANT WAYKAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
53	AKASH RAMDAS VISHVE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
54	DIGMBAR DATTATRAYA SUMBARE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
55	VIJAY BALASAHEB FUTANE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
56	GANESH SUNIL BORHADE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
57	PRATHAMESH SHIVAJI BHOR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
58	SAHIL NURMAHAMAD PATHAN	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
59	MININATH BALU LANGHE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
60	SHUBHAM NAVNATH JAGDALE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
61	MUJAMMIL SHAKIL ATTAR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
62	MAYUR BHIMAJI AUTI	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
63	MAHESH GANGARAM GAGARE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
64	SIDDHANT BALASAHEB TANGADKAR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
65	SAGAR BHUSAHEB DONGARE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
66	NAVNATH SUDAM KADAM	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
67	VARSHARANI SANTOSH DESHMUKH	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
68	MEGHAKUMARI ASHOKBHAI LAMKHADE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
69	VAISHALI SAKHARAM BARAMATE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
70	ATUL GANESH SHITOLE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
71	NEHA MANGESH SHELKE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
72	DHANANJAY RAMCHANDRA FULSUNDAR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
73	ARSHAN ARIF FAKIR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
74	RAHUL NIRMAL VISHWAKARMA	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
75	SAGAR NAMDEV DHAMAK	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
76	RUTUJA SADANAND GHODE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-18	QUIZ COMPETITION	STATE LEVEL	27-09-2018	PARTICIPATED
77	KAPASE PRATIK KAILAS	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
78	GADGE RAHUL BHAU	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
79	GADGE RAHUL BHAU	THIRD YEAR	VIDYA NIKETAN GROUP OF INSTITUTES BOTA	TECHNICAL EVENT	QUIZ COMPETITION	STATE LEVEL	11/2/2019	1ST PRIZE

80	SUMIT CHIMAJI KADUSKAR	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
81	GADGE RAHUL BHAU	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2019	PARTICIPATED
82	SOMNATH MAHADU MANE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	QUIZ COMPETITION	STATE LEVEL	7/3/2019	PARTICIPATED
83	ANIKET RAJU IGHE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	QUIZ COMPETITION	STATE LEVEL	7/3/2019	PARTICIPATED
84	AKASH RAMDAS PANSARE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	RUNNER UP
85	SOMNATH MAHADU MANE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	RUNNER UP
86	ANIKET RAJU IGHE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
87	KHARMALE SANKET V.	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	RUNNER UP
88	AKASH RAMDAS PANSARE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	QUIZ COMPETITION	STATE LEVEL	7/3/2019	PARTICIPATED
89	DIVEKAR ABHISHEK BALASAHEB	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE
90	SHELKE NEHA	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
91	PATHARE SAMADHAN BHANUDAS	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
92	WAYKAR PRASAD	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
93	WALUNJ AKSHAY	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
94	POKHARKAR HARI	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
95	BUTE BHAVESH	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	PARTICIPATED
96	PADWAL PRASHANT N.	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
97	BANGAR PRADIP	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
98	BADHE SWAPNIL D.	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
99	MANGESH YASHWANT BODAKE	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
100	DURGUDÉ DHANANJAY ARUN	THIRD YEAR	GOVERNMENT POLYTECHNIC AWASARI (KH)	CODETECH EVENT	PROJECT PRESENTATION	STATE LEVEL	7/3/2019	PARTICIPATED
101	PANSARE AKASH RAMDAS	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELIE	PROJECT COMPETITION	PROJECT PRESENTATION	STATE LEVEL	24/01/2019	1ST PRIZE

I02	SURAJ SUNIL PABALE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE
I03	BHOR DHANESH	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE
I04	HADAWALE DIPAK RAJENDRA	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28/02/2019	1ST PRIZE
I05	SURAJ SUNIL PABALE	THIRD YEAR	JAHIIND COLLEGE OF ENGINEERING KURAN	TECHNO-SPARK-2K19	QUIZ COMPETITION	STATE LEVEL	7/1/2019	PARTICIPATED
I06	BHOR DHANESH	THIRD YEAR	JAHIIND COLLEGE OF ENGINEERING KURAN	TECHNO-SPARK-2K19	QUIZ COMPETITION	STATE LEVEL	7/1/2019	PARTICIPATED
I07	SUMIT CHIMAJI KADUSKAR	THIRD YEAR	VIDYA NIKETAN GROUP OF INSTITUTES BOTIA	TECHNICAL EVENT	QUIZ COMPETITION	STATE LEVEL	11/2/2019	1ST PRIZE
I08	LAMKHADE GENBHAU BALU	THIRD YEAR	VIDYA NIKETAN GROUP OF INSTITUTES BOTIA	TECHNICAL EVENT	QUIZ COMPETITION	STATE LEVEL	11/2/2019	1ST PRIZE
I09	AHER PRASANNA SAKHARAM	THIRD YEAR	VIDYA NIKETAN GROUP OF INSTITUTES BOTIA	TECHNICAL EVENT	QUIZ COMPETITION	STATE LEVEL	11/2/2019	1ST PRIZE
I10	PATHARE SAMADHAN BHANUDAS	THIRD YEAR	VIDYA NIKETAN GROUP OF INSTITUTES BOTIA	TECHNICAL EVENT	QUIZ COMPETITION	STATE LEVEL	11/2/2019	1ST PRIZE
I11	DURGUDHE DHANANJAY ARUN	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I12	PAWAR TUSHAR BALASAHEB	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I13	NIMASE AKSHAY NAMDEV	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I14	VADAVALE SANDESH NAGESH	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I15	HANDE SOMESHWAR GORAKSHNATH	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I16	DINKAR SACHIN DAULAT	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I17	KANDHARE OMKAR MARUTI	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I18	DIVEKAR ABHISHEK BALASAHEB	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I19	PABALE SURAJ SUNIL	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
I20	HADAWALE DIPAK RAJENDRA	THIRD YEAR	SAMARTH COLLEGE OF ENGINEERING BELHE	WORKSHOP	ADVANCEMENT IN RAPID PROTOTYPING	INSTITUTE LEVEL	23/02/2019	PARTICIPATED
NUMBER OF STUDENTS WITH FIRST PRIZE		10						
NUMBER OF STUDENTS WITH SECOND PRIZE		3						
NUMBER OF STUDENTS WITH THIRD PRIZE		0						
TOTAL NUMBER OF STUDENTS WITH PRIZE		13						

Participation in Inter-Institute/State/National Events by Students of the Program of Study for AY - 2019-20								
Sr. No.	Student Name	Class	Organization	Event	Sub Event	Event Level	Date of Event	Achievement
I	ISHAN HEMANT KHANAPURKAR	FIRST YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED

2	ADITI VIJAY NIKAM	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	3rd PRIZE
3	BALASAHEB WALUNJ KANAK	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	3rd PRIZE
4	YASH SANDEEP GUGALE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
5	ANIL SUNIL LONKAR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	1st PRIZE
6	RAJESH PATEL MANAV	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
7	KUNAL BHUSAHEB AHER	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
8	ASHITOSH ANIL SHINDE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
9	SHUBHAM SANDIP WAGHMARE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
10	ABHIJEET RAMKRUSHNA NAGARE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
11	GANESH SOMNATH BHALERAO	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
12	GANESH SHAHAJI MODHAVE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
13	MANISH MACHIHINDRA BHOR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
14	ATUL BALASAHEB THUBE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETION	STATE LEVEL	28-09-2019	PARTICIPATED
15	SUMIT LAXMAN VISHWASRAO	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
16	MANOHAR BHAU GADGE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
17	RAHUL MARUTI AROTE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
18	BHUSHAN ANIL TAJANE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETION	STATE LEVEL	28-09-2019	PARTICIPATED
19	SUDESH SUBHASH THORAT	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
20	SAURABH KISAN WAYAL	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
21	SAGAR BHUSAHEB DONGARE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
22	SHUBHAM DATTATRAY KOLEKAR	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
23	YUVRAJ PRABHAKAR KALE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETION	STATE LEVEL	28-09-2019	PARTICIPATED
24	NAVNATH SUDAM KADAM	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
25	ANJALI SHANKAR KADELE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
26	TEJAS NAVANATH RAWADE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
27	SHUBHAM BALASAHEB KADAM	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
28	DHANANJAY VILAS DATE	SECOND YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO SAPIAN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	1st PRIZE
29	VARSHARANI SANTOSH DESHMUKH	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
30	RAHUL NIRMAL VISHWAKARMA	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
31	MEGHAKUMARI ASHOKBHAI LAMKHADE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
32	DHANANJAY RAMCHANDRA FULSUNDAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
33	MACHINDRANATH BABASAHEB BOTHE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED

34	SURAJ MARUTI FUTANE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
35	VIJAY BALASAHEB FUTANE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
36	PARAMANAND KAILAS DATE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
37	ROHAN SUNIL NAIKWADI	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
38	SHUBHAM KHANDU FULSUNDAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
39	MAHESH KISHOR GONDHALI	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
40	SAGAR NAMDEV DHAMAK	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	44288	PARTICIPATED
41	AMOL BALU SONAWANE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
42	DIGMBAR DATTATRAYA SUMBARE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
43	ATUL GANESH SHITOLE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
44	ATUL SANJAY TODKAR	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
45	VISHAL VILAS THORAT	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
46	MININATH BALU LANGHE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
47	SANKET RAJARAM ROHAKALE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO -SAPIEN -19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
48	MAYURESH CHANDRAKANT WAMAN	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	STATE LEVEL	28-09-2019	PARTICIPATED
49	AKASH RAMDAS VISHVE	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
50	GAURAV ANIL AUTI	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
51	TEJAS VASANT GUNJAL	THIRD YEAR	SAMARTH POLYTECHNIC BELHE	TECHNO-SAPIEN-19	QUIZ COMPETITION	INSTITUTE LEVEL	28-09-2019	PARTICIPATED
52	DIGMBAR DATTATRAYA SUMBARE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	1st PRIZE
53	GANESH SUNIL BORHADE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
54	ATUL GANESH SHITOLE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
55	MAYURESH CHANDRAKANT WAMAN	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
56	AMOL BALU SONAWANE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
57	SHUBHAM BALASAHEB KADAM	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
58	MAHESH GANGARAM GAGARE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
59	VISHAL VILAS THORAT	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED

60	SANKET RAJARAM ROHAKALE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
61	MININATH BALU LANGHE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
62	ATUL SANJAY TODKAR	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD SICIENCE EXIBITION ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
63	ROHAN SUNIL NAIKWADI	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
64	VIJAY BALASAHEB FUTANE	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
65	BAGADE VAISHNAV S	THIRD YEAR	GMRT KHODAD	PROJECT COMPETITION	PARTICEPATE IN GMRT KHODAD ON SCIENCE DAY	NATIONAL LEVEL	28-02-2020	PARTICIPATED
66	RAJESH PATEL MANAV	SECOND YEAR	JAIHIND POLYTECHNIC KURAN	TECHNOPHILIA-2020	QUIZ COMPETITION	STATE LEVEL	25/02/2020	3rd PRIZE
67	BHALERAO GANESH SOMNATH	SECOND YEAR	JAIHIND POLYTECHNIC KURAN	TECHNOPHILIA-2020	QUIZ COMPETITION	STATE LEVEL	25/02/2020	3rd PRIZE
68	SHUBHAM SANDIP WAGHMARE	SECOND YEAR	JAIHIND POLYTECHNIC KURAN	TECHNOPHILIA-2020	QUIZ COMPETITION	STATE LEVEL	25/02/2020	3rd PRIZE
69	GUGALE YASH SANDIP	SECOND YEAR	JAIHIND POLYTECHNIC KURAN	TECHNOPHILIA-2020	QUIZ COMPETITION	STATE LEVEL	25/02/2020	PARTICIPATED
NUMBER OF STUDENTS WITH FIRST PRIZE		3						
NUMBER OF STUDENTS WITH SECOND PRIZE		0						
NUMBER OF STUDENTS WITH THIRD PRIZE		5						
TOTAL NUMBER OF STUDENTS WITH PRIZE		8						

Participation in Inter-Institute/State/National Events by Students of the Program of Study for AY - 2020-21

Sr. No.	Student Name	Class	Organization	Event	Sub Event	Event Level	Date of Event	Achievement
1	MODHAVE GANESH SHAHADI	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
2	PAWAR PRAMOD ANANDA	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
3	BAGATE AKSHAY ASHOK	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
4	SANDBHOR AKASH ROHIDAS	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	1ST PRIZE
5	KANAK BALASAHEB WALUNJ	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
6	NIKAM ADITI VIJAY	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
7	KADALE ANJALI SHANKAR	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
8	KHANDAGALE AKASH RAMDAS	THIRD YEAR	JUNNAR TALUKA SCIENCE & MATH TEACHER GROUP JUNNAR	PRAYOG KARU-AANAND GHEU	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
9	WAGHMARE SHUBHAM SANDIP	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE
10	BHALERAO GANESH SOMNATH	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE
11	GUGALE YASH SANDEEP	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE
12	AROTE RAHUL MARUTI	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	2ND PRIZE

13	KANAK BALASAHEB WALUNJ	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
14	NIKAM ADITI VIJAY	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
15	KADALE ANJALI SHANKAR	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
16	KHANDAGALE AKASH RAMDAS	THIRD YEAR	SANDIP POLYTECHNIC,NASIK	SUN TECH 2K21	PROJECT COMPETITION	NATIONAL LEVEL	03/06/2021	3RD PRIZE
17	BHOR MANISH MACHHINDRA	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
18	PATEL MANAV RAJESH	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
19	VISHWASRAO SUMIT LAXMAN	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE
20	BHORADE RUTUI KASHINATH	THIRD YEAR	GMRT,KHODAD	GMRT VIRTUAL SCIENCE DAY EXHIBITION	PROJECT COMPETITION	NATIONAL LEVEL	28/02/2021	2ND PRIZE

NUMBER OF STUDENTS WITH FIRST PRIZE	04
NUMBER OF STUDENTS WITH SECOND PRIZE	12
NUMBER OF STUDENTS WITH THIRD PRIZE	4
TOTAL NUMBER OF STUDENTS WITH PRIZE	20

5 FACULTY INFORMATION AND CONTRIBUTIONS (150)

Total Marks 136.13

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 (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)								
DHULSAINDER DASHRATH RANGNATH	M.E/M.Tech	Thermal Engineering	100	100	100			HOD	14/12/2015	Regular	Yes		No
PHOKMARE HARISH BABARAO	B.E/B.Tech	Mechanical Engineering	100	100	100			Lecturer	05/07/2010	Regular	Yes		No
RAHANE NALINI BHIMAJI	B.E/B.Tech	Production Engineering	100	83	100			Lecturer	09/07/2013	Regular	Yes		No
FULPAGARE SHYAMKUMAR VISHNURAO	M.E/M.Tech	Machine Design	100	100	50			Lecturer	02/09/2013	Regular	Yes		No
SINARE GANESH SHANTARAM	M.E/M.Tech	Machine Design	100	100	100			Lecturer	19/06/2012	Regular	Yes		No
MURHEKAR NANDKISHOR HARIBHAU	B.E/B.Tech	Mechanical Engineering	100	100	100			Lecturer	14/09/2011	Regular	Yes		No
POKHARKAR SACHIN SURESH	M.E/M.Tech	Mechanical Engineering	100	100	100			Lecturer	20/06/2013	Regular	Yes		No
DIGHE ONKARESH BABAN	B.E/B.Tech	Production Engineering	100	74	100			Lecturer	02/08/2013	Regular	Yes		No
MOMIN HUSEN SHAMSHUDDIN	B.E/B.Tech	Mechanical Engineering	38	100	0			Lecturer	01/06/2019	Regular	Yes		No
MORE SWAPNALI SAHEBRAO	B.E/B.Tech	Mechanical Engineering	0	23	40			Lecturer	19/07/2016	Regular	No	30/07/2020	No
JADHAV AKSHAY UTTAMRAO	B.E/B.Tech	Mechanical Engineering	100	100	100			Lecturer	01/08/2016	Regular	Yes		No
BHUJBAL SATISH RAMESH	B.E/B.Tech	Mechanical Engineering	0	0	100			Lecturer	02/08/2016	Regular	No	26/08/2019	No
KOLASE PRASHANT NANASAHEB	B.E/B.Tech	Mechanical Engineering	0	0	100			Lecturer	19/06/2017	Regular	No	25/06/2019	No
TRIBHUVAN SANDIP BHAGWAT	B.E/B.Tech	Instrumentation. Engineering	53	50	41			Lecturer	06/01/2014	Regular	Yes		No
WAHAL RAMESHWAR GANPAT	M.E/M.Tech	Computer Engineering	33	0	14			Lecturer	05/11/2015	Regular	Yes		No
KANDHARE SANJAY BABAN	M.Sc. (Chemistry)	Chemistry	33	55	44			Lecturer	14/12/2009	Regular	Yes		No
MUNDHE YOGESH SHANKAR	M. Sc (Physics)	Physics	33	55	44			Lecturer	01/08/2016	Regular	Yes		No
KAKADE SUNIL RAMDAS	MA (English)	English	33	31	0			Lecturer	09/07/2019	Regular	Yes		No
KADU SACHIN SHIVAJI	M.Sc (Maths)	Mathematics	33	33	0			Lecturer	27/06/2019	Regular	Yes		No
DUMBRE VRUSHALI KIRAN	M.Sc	Mathematics	0	0	33			Lecturer	04/07/2014	Regular	No	20/05/2019	No
MAHENDRA BHIMAJI KHATATE	B.E/B.Tech	Mechanical Engineering	100	100	100			Lecturer	04/02/2011	Regular	Yes		No
DUKARE SUNITA RAMDAS	MA (English)	English	0	0	38			Lecturer	18/08/2008	Regular	No	07/05/2019	No
KAPILE ANIL SAHEBRAO	M.E/M.Tech	INSTRUMENTATION AND CONTROL ENGINEERING	0	0	33			Principal	01/06/2018	Regular	Yes		Yes

Year	N	F	SFR=N/F
2020-21(CAY)	267	12.56	21.26
2019-20(CAYm1)	329	13.04	25.23
2018-19(CAYm2)	392	14.37	27.28

Average SFR : 24.59

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(2020-21)	18	0
CAYm1(2019-20)	19	0
CAYm2(2018-19)	19	0

5.2 Faculty Qualification (25)

Total Marks 16.13

5.2.1 Faculty Qualification Index (20)

Institute Marks

16.13

	X	Y	F	$FQ = 2 \times [(10X + 7Y) / F]$
2020-21	4	8	10.00	19.20
2019-20	4	9	13.00	15.85
2018-19	3	10	15.00	13.33

Average Assessment : 16.13

5.2.2 Availability of Faculty/principal of that discipline with PhD. Qualification (5)

Institute Marks

5.3 Faculty Retention (20)

Total Marks 15.00

Institute Marks

15.00

Description	2019-20 (CAYm1)	2020-21 (CAY)
No of Faculty Retained	16	15
Total No of Faculty	19	19
% of Faculty Retained	84	79

Average : 81.58

Assessment Marks : 15.00

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

Total Marks 30.00

Name of the faculty	Max 5 Per Faculty		
	2018-19 (CAYm2)	2019-20 (CAYm1)	2020-21 (CAY)
MOMIN HUSEN SHAMSHUDDIN	0.00	0.00	5.00
MORE SWAPNALI SAHEBRAO	5.00	5.00	0.00
PHOKMARE HARISH BABARAO	0.00	0.00	5.00
DHULSAINDER DASHRATH RANGNATH	2.00	2.00	5.00
DIGHE ONKARESH BABAN	2.00	5.00	0.00
FULPAGARE SHYAMKUMAR VISHNURAO	5.00	0.00	5.00
JADHAV AKSHAY UTTAMRAO	5.00	5.00	5.00
KAPILE ANIL SAHEBRAO	0.00	0.00	5.00
MAHENDRA BHIMAJI KHATATE	5.00	5.00	5.00
MURHEKAR NANDKISHOR HARIBHAU	0.00	2.00	5.00
POKHARKAR SACHIN SURESH	5.00	2.00	5.00
RAHANE NALINI BHIMAJI	5.00	2.00	0.00
SINARE GANESH SHANTARAM	5.00	5.00	5.00
WAHAL RAMESHWAR GANPAT	5.00	5.00	0.00
Sum	44.00	38.00	50.00
RF = Number of Faculty required to comply with 25:1 SFR as	15.68	13.16	10.68
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

Sr No	Name of Training	Date	Duration (day)	Level
1	Online training on Soft skill	10 May 2021 to 11 May 2021	2	State Level
2	Product Life Cycle Management	22 April 2021 to 23 April 2021	2	State Level
3	Mechatronics	5 April 2021 to 6 April 2021	2	State Level
4	Intellectual Property Right	29 Jan to 30 Jan 2021	2	State Level
5	Industrial Automation	27 Nov 2020 to 28 Nov 2021	2	State Level
6	PLC programming	18 Jan 2019 to 19 Jan 2019	2	State Level

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

Total Marks 8.00
Institute Marks 8.00

Product development				
Year of Development	Product Name	Details	Sponsorship Name	Beneficiaries
2018-19	Sand Separator Machine	Machine used to separate sand particle used for building work	Vaishnavi Builder and developers Rajgurunagar	Four student and Vaishnavi Builder and developers
	Manual operated Transplanter	A low cost manually operated transplanter was developed for transplanting of plant in agriculture	Harsh Infotech Nighoj	four student, Harsh Infotech and farmer
	Pneumatic bar bending Machine	To automate the bar bending process using pneumatic system to reduce the cost and enhance the productivity	Ganesh Electrials and Air Conditioner Belhe	Four student and Ganesh Electrials and Air Conditioner
	Manually operated spring Maker	Small workshop requires manually operated spring machine	Saideep Fabrication Rajuri	Four student and Saideep Fabrication
	Portable agriculture Instrument	This instrument used to save time and money for small farmer for doing agriculture operations	No	Four student and one farmer
	Table frame making Fixture	This fixture is developed for workshop to manufacture table with high productivity.	Avighna Claritec Ambernath	four student and Avighna Claritec
2019-20	E-Plough Agri Equipment	This is battery operated E-plough which performs two agriculture operations	kusum Agro Sangamner	four student and Avighna Claritec
	Four way Hacksaw Machine	This hacksaw machine cuts four jobs simultaneously which save time and money	Avaduot Fabrication RAjuri	four student and Avaduot Fabrication
	Design & fabrication of easy handling trolley	This trolley is developed to transport material from one place to other place using single manpower	Samarth Motors Belhe	four student and Samarth Motors
	Corn sheeler machine	This machine is used to shell the corn easily with minimum time	No	Four student and one farmer
2020-21	Cooling system in Helmet	To eliminate headache which is generated from helmet wearing, the cooling system is used to lower the inner temp. of helmet	No	Four student and one farmer
	Vedic Curd Curing machine	This machine is used to integrate our vedic method of curd making	Kanak Dairy Farm	Four student and Kanak Dairy Farm

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

Total Marks 30.00
Institute Marks 5.00

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

Faculty Performance Appraisal form is collected from each faculty in which they need to show their academic performance, contribution towards teaching learning process, innovations and research for their self-renewal to cope up with changes in technology and develop expertise for effective implementation of curricula. The main objectives of this appraisal and evaluation system are:

- Effective Academic performance of the individual faculty in theory as well as laboratory related works
- Assessment of the effective teaching-learning process
- Consider the contribution of individual faculty member in the design and development of learning material
- Evaluating the performance of the faculty as guidance and counseling of students.
- Promote and allow faculties to take interest in the research publications in nationally and internationally journal of well repute.
- Evaluating the performance of the faculty as Co-curricular activities and administrative functions

B. Its implementation and effectiveness (15)

Institute Marks

15.00

Process of FPADS

- Faculty shall submit self-evaluation report to head of department at the end of academic year.
- Head of department shall collect and submit self-evaluation report of all faculties along with student feedback report and confidential report to Principal
- Principal shall form a committee at institute level to evaluate the self-evaluation report.
- Overall appraisal of the faculty shall be done on the following Basis
 - 30% for Assessment of Self-Appraisal
 - 20% for the students feedback
 - 50% for Assessment by HOD
- Recommendation, of committee shall be submitted to management and or Governing council for final approval.
- Following Incentives shall be offered for the Faculties after the appraisal report.
 - Salary increments
 - Flexible norms for attending national and international seminars/conferences, Training, workshops
 - Promotions in academic Administrative positions (Co-ordinator, HOD, In-Charge Committee, Committee memberships, etc.)

C. Details of qualification up-gradation of faculty (10)

Institute Marks

10.00

Samarth Polytechnic encourages all the staff members to take part in Career Advancement to upgrade qualifications and as per AICTE Norms.

This will enable them to improve the Classroom / Laboratory performance as well as competency levels. The staff members approach the HOD/Principal at the start of academic year with their interest for enrolment to the PG/PHD programs. The Academic load of such staff is adjusted to suit to their commitments. The list of faculty members who are upgrading their qualification in the last three years is included in the table.

Staff Member Pursuing /Completed M.E. /M. Tech

Sr. No.	Name of the Faculty Member	Year of admission	Qualification	Year of completion
1	MR. GANESH SHANTARAM SINARE	2014-15	M.E. (MACHINE DESIGN)	2017
2	MR. SACHIN SURESH POKHARKAR	2015-16	M.E. (MECHANICAL DESIGN)	2019
3	MR. SHYAMKUMAR VISHNURAO FULPAGARE	2014-15	M.E. (MECHANICAL-CAAD)	2016
4	MR. DASHRATH RANGNATH DHULSAINDER	2016-17	M.TECH. (THERMAL ENGINEERING)	2020
5	MR. AKSHAY UTTAMRAO JADHAV	2018-19	ME (MECHANICAL)	---
6	MR. HUSEN SHAMSHUDDIN MOMIN	2019-20	ME (MECHANICAL)	---
7	MR. HARISH BABARAO PHOKMARE	2009-10	ME (MECHANICAL)	---
8	MR. MAHENDRA BHIMAJI KHATATE	2015-16	ME (MACHINE DESIGN)	2021
9	MR. NANDKISHOR HARIBHAU MURHEKAR	2012-13	M.E. (CAD/CAM)	2021
10	MR. ONKAresh BABAN DIGHE	2015-16	ME (PRODUCTION)	---

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

Sr. No.	Room Description	Numbers	Shared or Exclusive	Usage	Capacity	Area m ²	Available Facilities
01	Smart Class Room	02	Exclusive	For conducting theory lectures	60 Per Classroom	66 m ²	Desks, platform, fans, tube lights, green board, Benches, class room and LCD Projector, Wi-Fi Connectivity, Smart board
02	Faculty Room	07	Exclusive	For notes preparation, interaction with students, etc.	01	5 m ²	Staff Tables and chairs, fans, tubes, cupboards, computer with LAN connection etc., Wi-Fi Connectivity
03	Department Office	01	Exclusive	For departmental meetings	-	10 m ²	Chair, conference table, LCD projector and computers, cupboard, Wi-Fi Connectivity.
04	H.O.D Cabin	01	Exclusive	For Administrative work	01	10 m ²	Table and Chairs, fans, tubes, Computer LAN connection, cupboards, Wi-Fi Connectivity, Printer.
05	Tutorial Room	01	Shared	For Conducting Tutorials	25	33 m ²	Desks, fans, tube lights, green board, Benches, Wi-Fi connectivity
06	Seminar hall	01	Shared	For Conducting various Functions and Activities	400	132 m ²	Desks, platform, fans, tube lights, chairs ,Central P.A. System with storage box, LCD Projector, Podium, C.C.TV. Wi-Fi Connectivity.
07	Drawing Hall	01	Exclusive	For Conducting Drawing related Practicals	60	66 m ²	Drawing Table, Fans, tube lights, chairs.
08	Training and Placement Office	01	Shared	For Placement Activities	-	30 m ²	Fans, tube lights, chairs , LCD Projector, PC, LAN Connectivity, Wi-Fi Connectivity, Green Board, White Board

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

A. Adequacy (10) Total Marks 40.00
Institute Marks
10.00

Workshop details:

- The Workshop is spacious and useful surroundings are maintained by all of curtains.
- Workshop is equipped by all of required equipment which is required for performing various experiments.

Sr. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important equipment	Weekly Utilization status(all the courses for which the lab is utilized)
01	CENTRAL WORKSHOP	20	Universal Milling M/C	Odd semester-32 Hrs
			Lathe Machine	
			Surface Grinding M/C	
			Radial Drilling M/C	
			Shaping M/C	Even semester-24 Hrs.
			Depth Gauge	
			Bench Grinder	
			CNC Milling M/C	
			CNC Lathe M/C	
			POWER HACKSAW Machine	Odd semester- 04 Hrs
02	Workshop -II	20	Spot Welding M/C	
			Manufacturing Process Models	
			Electric Welding M/C	
			TIG Welding Setup	
			MIG Welding Setup	
				Even semester-04 Hrs.

B. Quality of Labs/workshop (20)

Institute Marks

20.00

- The laboratories are spacious and useful ambience is maintained by the whole of curtains.
- All labs are equipped by all of adequate instruments/equipment to meet the curriculum.
- In addition, additional experiments are performed in the laboratory.

Sr.No.	Name of the laboratory & Number	Number of students per batch	Name of important equipment's	Weekly utilization on status
01	Metrology And Quality Control Lab	20	V -block for profile projector	Odd Semester- 06 Hrs.
			Vernier caliper	
			Micro meter	
			Dial indicator	
			Spirit level	
			Sine bar 200 mm	
			Combination set	
			Radius Gauge	
			Slip Gauge	
			Bevel protector	
02	Theory of Machines Lab	20	Model of Clutches	Even Semester- 06 Hrs.
			i) Single plate clutch	
			ii) Multi plate clutch	
			iii) Centrifugal clutch	
			Model of Mechanism	
			i) Ackerman's Steering Mechanism	
			Static & dynamics balancing apparatus	

			Models of governor	
			Babcock & Wilcox Boiler (Model)	
			Stefan Boltzmann's Apparatus	
			Solid conductivity rod	
			Solar plate	
			Refrigeration Test Rig	
			Two Stage Air Compressor Test rig	
			Two stroke single cylinder petrol engine test rig	
			Multi cylinder petrol engine test rig	
			Exhaust gas Analyzer HG540 with RPM indication	
03	Power And Thermal Engineering Lab	20	Engine test set up (four stroke single cylinder diesel engine with eddy current dynamometer)	
			Thermal conductivity of metal rod	
			Catalytic converter petrol & diesel	
			Bernoullis Theorem apparatus	
			Set up for minor losses through pipe	
			Dead weight pressure gauge	
			Venturi meter apparatus	
			Electro hydraulic trainer Kit	
			Electro pneumatic trainer Kit	
04	Fluid Mechanics And Machinery	20	Centrifugal pump test rig	
			Reciprocating pump	
05	CAD Lab	20	Computer Set(CPU + Monitor + Mouse + Keyboard)	
			Working model of hydraulic brake,2 discs & 2 drums	
			Multi plate clutch working model	
			Actual cut section model of car steering: Cut model of rack and pinion type	
			Synchromesh gear box actual cut section	
			Differential unit	
			Tyre-actual cut section model of car tyre	
			Epi cycle gear box	
			Running model of engine-four cylinder MPFI engine-Isuzu	
			Four stroke motor cycle cut model	
			Propeller shaft with slip joint & two universal joint	
			Clutch assemblies-diaphragm type	
			Clutch assemblies-single plate spring type	
			Universal joint Rzeppa joint and tripod joint	
			Differential assembly-heavy vehicle	
			Cut model of semi floating rear axle	
06	Automobile Engineering Lab	20	Cut model of fully floating rear axle	
			Even Semester- 06 Hrs.	
			Odd Semester- 12 Hrs.	
			Even Semester- 12 Hrs.	

The Department possesses Machine shop, Carpentry shop, Welding shop which are used throughout the year. These cater to students of the Mechanical (ME), Electronics and telecommunication (E&TC), Civil (CE), computer Engg.(CO) and Electrical (EE) discipline. The laboratories are equipped with sufficient Lathe machines, Drilling, Milling Machines to run program specific curriculum and ofprogram curriculum. Each lab operates on a specific schedule which is dictated by the corresponding time table of the specific semester/branch. Each lab can accommodate a batch of 20 students. Laboratory sessions are conducted to meet the curriculum requirements.

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	METROLOGY	20	04	02	UNAWANE B.S	LAB ASSISTANT	ITI
2	THEORY OF IV	20	00	02	UNAWANE B.S	LAB ASSISTANT	ITI
3	POWER AND I	20	06	04	MUJAVAR I.P	LAB ASSISTANT	ITI
4	FLUID MECHA	20	07	04	MUJAVAR I.P	LAB ASSISTANT	ITI
5	CAD LAB	20	00	04	MUJAVAR I.P	LAB ASSISTANT	ITI
6	AUTOMOBILE	20	04	02	KAWADE S.B	LAB ASSISTANT	BE MECH
7	MACHINE SHC	20	14	14	KAWADE S.B	LAB ASSISTANT	BE MECH

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

Facility Name
Technical Workshop / Training
IC engine cut section
BMW engine cut section
Hobbing & OD Grinding Machine
Pictorial/Graphics/Charts
Internet facility
Departmental Library
Smart Class Room
Digital Library
NPTEL Lectures
Proctor session
Models
Digital Vernier
UTM
Foundry
C.C. T. V.

B. Effective Utilization (5)

Institute Marks

5.00

Sr. No.	Facility Name	Utilization
1	Technical Workshop / Training	Third Year students do their projects in AutoCAD
2	IC engine cut section	At the time of practical
3	BMW engine cut section	At the time of practical
4	Hobbing & OD Grinding Machine	At the time of practical
5	Pictorial/Graphics/Charts	As per requirement of practical
6	Internet facility	Conduct online exam and searching of information
7	Departmental Library	Issuing books to students
8	Smart Class Room	All students
9	Digital Library	For all Subject
10	NPTEL Lectures	For Students, Faculty members
11	Proctor session	Placement, Developing personality of Students.
12	Models	At the time of practical
13	Digital Vernier	At the time of practical
14	UTM	At the time of practical
15	Foundry	At the time of practical
16	C.C. T. V.	Security and safety of students

C. Relevance to POs/PSOs (5)

Institute Marks

5.00

Sr. No.	Facility Name	Details	Reason(s) for creating facilities	Utilization	Areas in which expected to have enhanced learning	Relevance to POs/PSOs
1	Technical Workshop / Training	AutoCAD	Project Requirement	Third Year students do their projects in AutoCAD	Third Year Projects	PO-03
2	IC engine cut section	To know actual working internally	Theoretical concept will get clear by visualizing actual working	At the time of practical	AEN	PO-04 PSO-02
3	BMW engine cut section	To know actual working internally	Theoretical concept will get clear by visualizing actual working	At the time of practical	AEN	PO-04 PSO-02
4	Hobbing & OD Grinding Machine	To know actual working internally	Theoretical concept will get clear by visualizing actual working	At the time of practical	AEN	PO-04 PSO-02
5	Pictorial/Graphics/Charts	Subjective Charts available for learning	To convey message efficiently by visual display	As per requirement of practical	All subjects	PO-01
6	Internet facility	Leased lines of Internet with a speed of 100 mbps to connect all devices to internet in the campus	Keep in touch with latest technology, surfing on internet for a specific problem	Conduct online exam and searching of information	All Subjects	PO-04 PO-07 PSO-02
7	Departmental Library	Subject Books	Making availability books.	Issuing books to students	All Subjects	PO-01 PO-02
8	Smart Class Room	Smart Board, Projector, Wi-Fi	To Conduct interactive sessions with students	All students	All Subjects	PO-04 PO-05
9	Digital Library	E-Journals, E-Books	For Students, Faculty members	For all Subject	For all Subject	PO-01 PO-07
10	NPTEL Lectures	PDF Files Video Lectures	To Better understanding of Students	For Students, Faculty members	For all Subject	PO-01 PO-07
11	Proctor session	Group Discussion, Seminar, debate, Extempore, Vocabulary.	Improving communication skills	Placement, Developing personality of Students.	Motivation, Leadership, Communication skill, Personality development	PO-06 PSO-03
12	Models	Wooden models are available	To convey message efficiently by visual display	At the time of practical	All subjects	PO-02
13	Digital Vernier	Not necessary to calculate value	To get direct value	At the time of practical	MQC	PO-04 PSO-01
14	UTM	100 Tonn capacity	To get graphical representation of stress	At the time of practical	SOM	PO-04
15	Foundry	Non-ferrous casting can perform up to 10 kg	To get clear idea of casting	At the time of practical	MPR	PO-03
16	C.C. T. V.	For supervision	Security and safety	Security and safety of students	communication skill, Personality development	PO-03 PO-04 PO-05

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	Technical Work	AutoCAD	Project Requir	Third Year stud	Third Year Projects	PO-03
2	IC engine cut s	To know actual	Theoretical cor	At the time of p	AEN	PO-04 PSO-02
3	BMW engine c	To know actual	Theoretical cor	At the time of p	AEN	PO-04 PSO-02
4	Hobbing & OD	To know actual	Theoretical cor	At the time of p	AEN	PO-04 PSO-02
5	Pictorial/Graph	Subjective Cha	To convey mes	As per requirer	All subjects	PO-01
6	Internet facility	Leased lines of	Keep in touch v	Conduct online	All Subjects	PO-04 PO-07 f
7	Departmental L	Subject Books	Making availab	Issuing books t	All Subjects	PO-01 PO-02
8	Smart Class R	Smart Board, F	To Conduct int	All students	All Subjects	PO-04 PO-05
9	Digital Library	E-Journals, E-E	For Students, F	For all Subject	For all Subject	PO-01 PO-07
10	NPTEL Lecture	PDF Files Vide	To Better unde	For Students, F	For all Subject	PO-01 PO-07
11	Proctor sessior	Group Discuss	Improving com	Placement, De	Motivation, Leadership, Cor	PO-06 PSO-03
12	Models	Wooden model	To convey mes	At the time of p	All subjects	PO-02
13	Digital Vernier	For Accurate c	To get direct va	At the time of p	MQC	PO-04 PSO-01
14	UTM	100 Tonn capa	To get graphic	At the time of p	SOM	PO-04
15	Foundry	Non-ferrous ca	To get clear ide	At the time of p	MPR	PO-03
16	C.C.T.V.	For supervisor	Security and ss	Security and ss	communication skill, Persor	PO-03 PO-04 f

6.4 Laboratories: Maintenance and overall ambiance (10)

Total Marks 10.00

Institute Marks

10.00

Laboratories: Maintenance and Overall Ambiance

- One Teaching faculty and a Lab Assistant are in-charge of the overall functioning/ maintenance of each lab.
- A dead stock register is maintained with all equipment details recorded timely •Student register is maintained to record student entry and usage in the Laboratory.
- Issue register is maintained to record the issue details of equipment's/ facilities in and out of the Laboratories.
- Regular maintenance of computers/equipment is carried out as and when required and also at the end of every semester.
- As per requirement minor repairs are carried out by the Lab assistant & Faculty Members.
- Maintenance register is maintained in the laboratories.
- Major repairs are done by the Campus Server Room technicians by following the procedure of the institute.
- Installation of the licensed software, Open source and proper Antivirus software are updated regularly Overall Ambiance
- All laboratories are well equipped to meet the requirements of curriculum.
- Laboratory manuals provided by MSBTE is followed strictly for achieving Course Outcomes.
- All laboratories are well furnished and have sufficient light, good ventilation and fan arrangement.

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	26	1:1	System Softwa	100 mbps inter	01

6.6 Language lab (10)

Total Marks 10.00

The various language teaching activities conducted in the Language laboratory, the most important is the Communication Skills course taught at the 1st year Diploma level. All the tutorial activities associated with these courses are held in the language laboratory.

It provides an advanced language laboratory teaching/learning experience. The teachers Control Unit enables the teacher to direct interaction with student. The Students Terminals allow the students to interact with the teacher.

Facilities

- The laboratories are spacious and good ambience is maintained with curtains.
- An exclusive language laboratory with advanced software is available.
- The language lab has an excellent education teaching material production facilities in the form of audio – studio with audio and video software.
- The entire equipment has been housed in an acoustically treated and centrally ventilated.
- Comfortable chairs are accommodated in the Language lab.
- The language lab room would be used for about 16 hours per week.
- The Language Lab is having Wi-Fi as well as LAN connectivity.
- Regular and timely maintenance of Language Laboratory is taken up.

Details of Learning Resources

Sr. No.	Skill	Resources Available	Software/ No. of CD
1	Vocabulary Building	codsturd Software	codsturd Software
2	Expressions/ and understanding non-verbal communication (Effective use of nonverbal communication tool)	codsturd Software	codsturd Software
3	Presentation Skills	Videos on Presentations	codsturd Software
4	Body Language	Through Software of Personality Development and Soft Skills	codsturd Software
5	Presentation Skills	codsturd Software	codsturd Software
6	Listening Skills	codsturd Software	codsturd Software

Purposes of language Laboratory.

- The language lab helps students develop good listening skills and aids the process of communication.
- To emphasize the importance of English as a medium of learning academic subjects.
- To facilitate the students to shed fear and anxiety while using English and to overcome their mother tongue influence.
- The teacher can monitor individual students (and talk to them) much more efficiently than in a regular classroom.
- No use of recordings for pronunciation. Students are interested in words, phrases and their meanings.
- The headset/microphone provides students with a psychological privacy that promotes their speaking ability.
- Teacher listens randomly to students around the room. Individual student correction is haphazard.
- To enhance the proficiency of the students in all four primary skills (LSRW) of English through computer aided teaching.

Activities Conducted:

- Role play or Skit presentation with the help of software (4to 5students)
- Diagrammatical representation of communication cycle using 8 to 10 different communication situations and stating the different elements involved init.
- Graphical communication using pie chart and bargraph.
- Describing 2 technical objects.
- Group Discussion, Job Interviews, Body Language &Presentations.
- Describing different personalities.
- Make poster depicting different aspects of body language & write an assignment on the same.

7 CONTINUOUS IMPROVEMENT (75)

Total Marks 75.00

7.1 Actions taken based on the resultsof 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
PO 1 : Basic and Discipline specific knowledge			
PO 1	2.54	2.47	Low

Action 1: Extra classes as well as practice sessions are conducted for better understanding the methods to solve Numerical in Mathematics.
 Action 2: Students are asked to write formulae repeatedly in the classroom so that they could easily solve the problems of Mathematics.
 Action 3: Mentoring: Personal attention is given and counseling is done for weak students to uplift their confidence through mentoring systems.

PO 2 : Problem analysis

PO 2	2.22	2.21	Low
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Action 1: Students apply the knowledge of technical subject for completion of micro-project and final year project.
 Action 2: Students are asked to write assignments based on question bank prepared by respective subject teacher with reference to model answer paper
 Action 3: Industrial visits are arranged to make the students aware about advance technologies and processes in industries.

PO 3 : Design/ development of solutions

PO 3	2.25	2.23	Low
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Action 1: Training programs are organized on advance technologies.
 Action 2: Students are placed for 3-4 weeks in plant training program during summer vacation

PO 4 : Engineering Tools, Experimentation and Testing

PO 4	2.14	2.10	Low
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Action 1: The students are asked to perform experiments once again in the laboratory so they get more accurate results.
 Action 2: Workshop related to experiment in Automobile Engineering is conducted for better experience.Action 3: Industrial visits are arranged to make the students aware of advanced technologies in industries.

PO 5 : Engineering practices for society, sustainability and environment

PO 5	1.90	1.97	High
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Action 1: Project Guides are asked to assign projects to the students on actual problems of society which will fulfill desired needs of society.
 Action 2: Expert lectures are conducted for awareness about applications in society and industries.
 Action 3: Social activities are arranged to create social awareness in students.

PO 6 : Project Management

PO 6	1.95	2.05	High
------	------	------	------

Action 1: Expert lectures are conducted on project management

PO 7 : Life-long learning

PO 7	2.08	2.10	High
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Action 1: Students are provided the facilities of digital library for self learning.
 Action 2: Second and third year students are asked to write technical papers by using different resources of information.

PSOs Attainment Levels and Actions for Improvement- (2019-20)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : DIPLOMA ENGINEERS ABLE TO APPLY BASIC AND DISCIPLINE KNOWLEDGE TO THE CONVENTIONAL MACHINERY AND EQUIPMENT.			
PSO 1	2.33	2.30	Low
Action 1: PPT, videos, animation and diagrams are made available to student for subject which requires so they get idea Action 2 : In plant Training are arranged to gain practical knowledge as well as industrial exposure			
PSO 2 : DIPLOMA ENGINEERS ABLE TO IDENTIFY , ANALYZE AND SOLVE VARIOUS PROBLEMS USING ADVANCED TOOLS AND RELEVANT SOFT WARE'S , WHERE REQUIRED			
PSO 2	2	2.03	High
Action 1: Industrial visits are arranged to make the students aware of advanced technologies in industries. Action 2: Workshops related to new software like PRO-E and solid modeling etc. are conducted. Action 3: Six weeks' In-plant training in industries is arranged for the second year students.			
PSO 3 : DIPLOMA ENGINEERS ABLE TO EXHIBIT SOFT SKILLS LIKE LEADERSHIP ,POSITIVE ATTITUDE ,PROFESSIONALISM IN ACTUAL WORKING ENVIRONMENT.			
PSO 3	2.03	2.06	High
Action 1: Department provides opportunities to the students for organizing different events and that way to inculcate team skills among them. Action 2: Project groups are formed to perform tasks in team to make interaction with each other. Action 3: Personality development lecture are arranged for overall development of student.			

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 (2017-18)	Latest Passed out Batch minus 1 (2016-17)	Latest Passed out Batch minus 2 (2015-16)
Success Index (from 4.2.1)	0.19	0.12	0.10

7.3 Improvement in Placement and Higher Studies (10)	Total Marks 10.00
	Institute Marks 10.00

Items	Latest Passed out Batch (2017-18)	Latest Passed out Batch minus 1 (2016-17)	Latest Passed out Batch minus 2 (2015-16)
Placement Index (from 4.6)	0.78	1.12	1.02

7.4 Improvement in Academic Performance in Final year (10)	Total Marks 10.00
	Institute Marks 10.00

Items	Latest Passed out Batch (2017-18)	Latest Passed out Batch minus 1 (2016-17)	Latest Passed out Batch minus 2 (2015-16)
Academic Performance Index (from 4.3)	6.78	5.92	6.52

7.5 Internal Academic Audits to Review Complete Academics & to Implement Corrective Actions on Continous Basis (10)	Total Marks 10.00
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Items	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)
Internal Academic Audits	Very Good	Very Good	Very Good

7.6 New Facility created in the Program (10)

Total Marks 10.00
Institute Marks
10.00

Items	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)
New Facility Created	Mahindra CIE	Digital Library	Departmental L

8 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00
Institute Marks
10.00

Polytechnic has an established Mentoring System to take care of the students for their Academic, Overall Personality development and to make them best suited to the professional career. The admitted students are from different strata of the society and at the time of admission or during the Programme studies they may go through different types of difficulties.

Class teachers keep a close watch on individual student's behavior along with other mentors to check the need for assistance. Counseling is done at the personal level, through the Counselor appointed by the Institute to get the student back in to main stream learning and overcome problems faced.

Motivational and expert lectures are regularly organized to maintain learning enthusiasm amongst students and make the environment of the institute more conducive. Students groups are formed for studies to improve confidence, attitude and performance levels.

Motivational address speech by Principal to admitted First Year Students





Induction Training Program प्रेरणा प्रशिक्षण

कार्यशाळा

531 views · Streamed 4 months ago

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- An effective Student Mentoring System (SMS) is implemented in our college.
- All the students of the college come under this system from the date of joining the college.
- A complete track of the students' activities like Academic, Curricular, Co-curricular Extra- curricular achievements, Social activities and the details of Parent Meetings are registered in the system.
- Tutor Registers are distributed to all the staff members of the college. Each staff is allocated one Batch students under the Tutor system.
- After college hours, 20 minutes are allocated for the Tutor Session, under which every proctor teacher can discuss with students regarding issues like problems in studies, personal problems, group discussion, etc.
- Faculties have a meeting with the students periodically and their academic progress and all their activities are discussed and noted in the register.
- Staff members submit the register to the high level Mentoring /Counseling committee with members like HOD and Principal.
- The committee scrutinizes each case and suggests corrective measures.
- College has appointed medical counselor for counseling the students who need counseling from proctor batches. These students meet the counselor and discuss their issues.

Sr. No.	Mentoring by	Nature of Mentoring	Number of Students per mentor	Frequency of Meeting
1.	Tutor Teacher	i) Mentoring and guiding to student in respect of Communication, Presentation, personal problems, General problems, etc. ii) Send the unit test result and monthly percentage attendance to parents via message iii) Daily calling to the absent student parents.	One Batch	Weekly
2.	Subject Teacher	i) Practice sessions are conducted for numerical subject. ii) Extra lecture is conducted for backlog Subject.	As Per Case All Backlog Student	Daily in week Daily in week
3.	Class Coordinator	Interaction with students to regarding teaching of staff and help to solve their problems.	One Batch or Whole Class	As per the need
4.	Head of Department	Interaction with students to understand and help to solve their problems related to industrial visit or academic.	On case to case basis: One or few as the case may be	As per need
5.	Principal	i) Welcome address to first year students making aware about culture of campus, Vision, Mission of Institute and statutory and other requirements from students. Also guiding the students in respect of understanding importance of career and care to be taken ii) An Anti- Ragging Session is conducted for all students to make them aware about the ill effects of the ragging. iii) In Student Council meetings, making the members to understand role effectively and act accordingly. Also guiding them about how to face problems/ challenges and handle them effectively.	All FY Students All students All Student Council members	Once in a year Once in a year Twice in a semester

6	Practice Sessions	For subjects that are difficult in nature, practice sessions are arranged in the department. Faculty members of the concerned subjects are present during these sessions for doubt clearance.	All students	Twice in a week
7	Counselor	Interaction with students to understand their problems from psychological and academic point of view	All the students-One at a time	Once in week
8	Industry Expert Lectures	Industry Expert lectures are arranged to make the students aware about the innovative and advanced technologies used in the industries	All students	Once in semester
9	Industrial Visits and guidance	Industrial visits are arranged by respective departments to bridge the gap between academics and industry.	All students	Once in semester
10	Guest Lecturers	Guest lecturers are arranged to make the students aware about different academic and professional issues	All students	Once in semester
11	Cultural Programme	Students are motivated to participate and show their hidden talent in different cultural activities.	All students	Once in a year
12	Sports	Students are motivated to participate in different sports events so that they will internalize the qualities of leadership, team work, physical fitness etc.	All students	Once in a year
13	Technical Events	Students are motivated to participate in various technical events so that they will get habituated with technical practices and acquire various skills of management	All students	Once in a year

Theory:

The theory courses are taught by the respective teachers with complete preparation of the course. This includes teaching plan, notes, PPT/ Transparencies, Question Banks, Assignments and Tutorials. Faculty refers standard textbooks as well as learning resources to enable effective learning amongst students. Additional inputs are obtained through Training/Content Updating programs attended by the teachers. Regular assignments after each Chapter, helps the students to understand and remember the expected concepts for necessary skills. The latest advances in the respective subjects are preferably covered through industry expert/ guest lectures.

Laboratory:

Curriculum of diploma programs is designed by Curriculum Development Cell of MSBTE, Mumbai which includes about 70% weightage to theory courses and 30% to the practical involving skill tasks. This approach is very much useful to acquire knowledge, development of professional attitude and for skill development with adequate expertise. The Laboratories are well equipped to perform the practicals. The list of practicals as per the curriculum is recommended at the start of the semester/term and the students are introduced to the laboratory for its objectives. The significance and procedure of practical is provided before the conduct of practical. The experimental results are verified and assessed on the basis of continuous assessment. Course teacher assigns mini projects for the coverage of contents beyond the curriculum and complete understanding of the course contents. i.e. under professional practices.

Overall Development:

The Curriculum is developed by keeping focus on the overall Personality development of the learner, for acquiring necessary knowledge, skills and attitude. Each course has scope for theory sessions, practical, assignments, skill tasks and presentations by students. The course such as Communication skills, Professional practices help the student to participate in curricular and co-curricular activities.

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

FeedbackAnalysis:**Direct Feedback/ in class Feedback from the Students:**

- Every department has constituted Class Committees for Each semester with Class coordinator, Class Representative and Batch Representative as student Members. Class coordinator is a Chairman for this committee. These members collect feedback and submit to HOD.
- Once in a semester, HOD takes oral feedback of class and submits its report to the Principal with necessary suggestions if necessary.
- In order to discuss academic and other issues, students meet Class coordinator, Head of Department and Principal as per need.
- Student are invited to express their views on Subjects, Academic Environment of the Department etc. and the feedback is collected by the Chairman of the Committee and it is submitted to the HOD for further actions.
- Suggestion Boxes are placed near Principal's cabin, HOD's cabin, Girls common rooms, Hostels, Library etc. Through this feedback is collected from students.

• : Interactive Feedback:

The Principal conducts interactive meeting only with the students regarding the Academic activities and feedback is directly collected from the students.

• : Through Questionnaires:

Feedback forms are circulated and collected from students of each class, once in a semester. This type of feedback is collected by Class Coordinator and submitted to HOD for further action.

• : Analysis with Respect to Feedback:

Feedback given by students in respect of every course as well as general problems is analyzed by the Principal and the concerned HOD, by involving the concerned faculty members.

- For problems related to course, review of feedback regarding faculty is taken by Principal and the concerned HOD in presence of concerned Class coordinator, Class representative and faculty members. Accordingly, relevant corrective measures are taken.
- For general problems, an action report is prepared with the details of action to be taken which is duly signed by the concerned. These reports of each class are uploaded on the fip for transparency and follow-up.
- Analysis of Feedback collected through Questionnaire is done at departmental level and same is brought to the notice of the concerned faculty members with instructions for corrective steps wherever required.
- Analysis of feedback is done by HOD at his level with class representative and 2-3 students from every class and as per the requirement, corrective measures are taken e.g. change of teacher, arranging additional lectures/ practicals etc.
- Suggestions received through suggestion box are analyzed at departmental level and corrective measures are taken.

B. Record of corrective measures taken (5)

Institute Marks

5.00

• Actions taken:

On basis of feedback and performance, rewards given by institute are as follows:

- College Toppers based on the academic performance are awarded with prize.
- 'Best outgoing Student award' is given at college as well as from department level.
- Program Toppers are awarded with prizes.
- Certificates are given to the students having 100% attendance.
- Certificates and prizes are given to the students securing highest marks in each subject.
- Faculty members having 100% result in 3rd year, 80% and more in 2nd year and 70% and more in 1st year of subject are awarded by appreciation letters and rewards.

- 'Best Teacher Award' is given to the faculties with excellent performance.

• Appraisal of faculty is based on overall performance.

• : Corrective Actions:

- Academic feedback: The teachers lacking in good teaching skills as well as in general approach are counseled.
- Less Attendance: Students with less attendance are counseled.
- Less result: Faculty members with less result are counseled and issued memos.
- Various workshops & Seminars: Workshops and seminars for faculty as well as students are arranged in every semester.
- Controlled Mechanism: To improve the feedback & teaching quality of a faculty, some additional steps are taken by the Head of Department before taking feedback. As the part of this mechanism, syllabus coverage is reviewed at the end of each week which helps to monitor and control the syllabus coverage if it is not on the right track.
- Remedial Lectures: These lectures can be used to cover the syllabus in time before the term end. These lectures can be used by an individual faculty, if he/she has missed some classes in a week or month.
- Expert lectures: These lectures by experts outside institute or from industry are conducted as per the demand of course.

8.3 Feedback on facilities (5)

A. Student feedback on facilities, analysis and corrective action taken (5)

Total Marks 5.00

Institute Marks

5.00

This Institute has adequate facilities required for maintaining the academic schedule smoothly as per the norms of MSBTE. The available facilities include well-equipped classrooms, Laboratories, Library, Wash rooms, Canteen, RO purified water, water coolers, playground, hostels for boys and girls, medical store, Xerox center etc. In order to take review and improve further, a feedback form has been designed.

Assessment is based on -

- Student Feedback collection
- Analysis and corrective action taken

Student Feedback collection

Feedback on facility is based point as 0 to 5 as (0 – poor, 1- below average, 2- average, 3 good, 4- very good, 5- excellent).

Sr. No.	Particulars	Points
I	About Governance and Infrastructure	
1.	Do you use suggestion box to make management aware about the problems?	
2.	Are there sufficient numbers of equipment's in working condition in Lab?	
3.	Is there language laboratory working well.	
4.	Are the toilets adequate and clean?	
5.	Facility providing in hostels for girls and boys.	
6.	Facility of digital library	
7.	Computer center and internet facility working.	
8.	Facility of workshop and different machines.	
9.	Facility of hygienic drinking water.	
10.	Facility central store and Reprographic facility.	
11.	Facility of Food services in campus.	

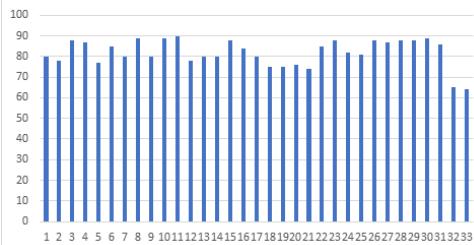
12.	Facility of Health services in campus.	
13	College Campus, Security and First Aid Facility	
II	Administrative	
14	Essential notices displayed well in advance to communicate with you.	
15	Behavior of office staff good with you	
16	Is there helpful counseling by the teaching faculty?	
17	Sport facility in the campus	
18	Transportation facility	
III	Academics	
19	Is the academic calendar displayed before the beginning of the term	
20	Are you made aware about the recent changes in the academic calendar?	
21	Faculties to teach is enough	
22	Class tests and skill tests conducted as per the MSBTE calendar?	
23	100 % syllabus covered during last semester	
24	Continuously assessed for laboratory work	
25	Your marks of class tests displayed.	
26	Faculties use LCDs of PPTs.	
27	Activities like paper presentation, industrial visits, guest lecturers conducted?	
28	Proctor teacher and mentoring	
IV	Career guidance, Training, Placement	
29	Working of Training and Placement cell on Institute	
30	Working of Training and Placement cell on Department	
31	Training session arrange by T&P cell	
32	Career guidance provided from T&P	
33	Facility of Industries for Internships	

Feedback on facilities would be taken ones in semester and 10 % of students of institute participated in this process.

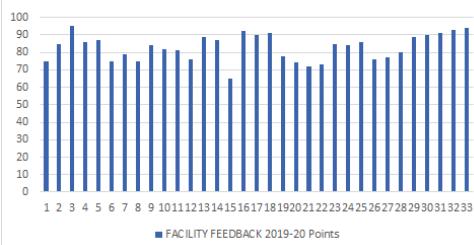
Analysis of feedback

Last 3 Year analysis of feedback on facilities

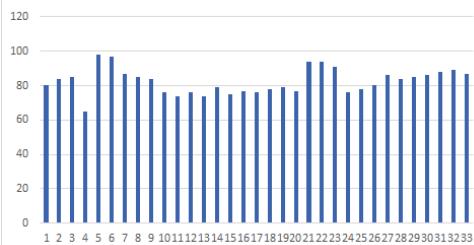
FACILITY FEEDBACK 2020-21



FACILITY FEEDBACK 2019-20



FACILITY FEEDBACK 2018-19



8.4 Career Guidance, Training, Placement (20)

Total Marks 20.00

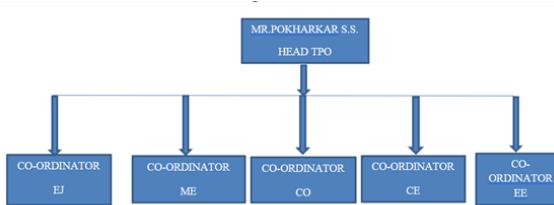
Institute Marks

20.00

A. Training and placement cell:

Training and placement cell is available in institute which is headed by Training and Placement officer and supported by placement coordinators (Faculty, Assistant and students) from each program to fulfill the following objectives -

1. Strong liaison with industry for curriculum design, implementation, evaluation and placement of pass outs.
2. Each department has a Training & Placement Coordinator who reports to TPO in organizing Training and Placement activities.
3. Interaction and approach to industries for Industrial visits, In-plant training and placement needs.
4. Training activities for soft skills, interview techniques, personality development.
5. Create awareness among students regarding available career options and help them in identifying their career objectives/dream jobs.
6. Take feedback from industry and provide inputs for curriculum revision.



II. Facilities:

Facilities provided by TPO Cell are –

- Campus Recruitment Program for final year interested students.
- Industrial visits
- Industrial (In-plant Trainings)
- Industry related sponsored projects
- Career Guidance Lectures/ workshops, Soft Skill training

B. Management:

Companies/Recruiters contacts to the Principal/TPO for conduct of campus interviews or placement cell invites them for conducting campus recruitment program. Training and Placement cell in liaison with industries make available required facilities and necessary arrangement for smooth conduct of campus recruitment programs. Selection/shorlisting of candidates through online aptitude Test/screening test, group discussion and interview is carried out by HR personnel. Final selection is done after clearing medical test. Selection criteria vary from employer to employer depending upon the company rules and number of vacancies available with them. Placement for one month Industrial training in various industries/organizations/ Firms/ Workshops etc. to the second year students of all programs during summer vacation (after end semester examination of IV semester) is arranged as per aptitude and interest of the student. On job training and experience gives opportunity to apply/correlate theoretical knowledge with practical applications. Faculties and staff are deputed to attend AICTE/DTE/MSBTE Sponsored industrial/Short term courses. The benefits of industrial Training are

1. Transition from classroom learning to work experience.
2. Identify opportunities for industry sponsored projects.
3. To explore career options based on interests and abilities.
4. Develop leadership abilities and acquire attitude of lifelong learning skills.
5. Improve self-confidence, communication skills, professional skills and team work.
6. Develop sense of responsibility among students.

Placement and Internship details for last 3 years:

Sr. No.	Activity	Academic Year		
		2017-18	2018-19	2019-20
1	Number of campus placements	25	20	13
2	Industries interacted for placement	03	05	03
3	Industry Expert Lectures	07	12	07
4	Industrial sponsored project	05	11	06
5	Arranging Entrepreneurship awareness session for student	02	03	03
6	Career Guidance and Counseling for Higher Studies	02	03	01
7	Personality Development	04	02	02
8	No. of Industries for Inplant Training	01	04	05

Details of Number of Campus Placement/Off Campus Placement:

For Academic Year (2019-20):-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Relevance to POs & PSOs
1	01	Coimbtur Marine Engg.	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02,
2	01	Arcelor Mittal Nippon Steel	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02,
3	01	Gestamp, Mahalunge	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02,
4	01	Motherson Chakan	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02,
5	01	Skf Bearings	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02,
6	01	John Dere	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02,

7	03	Bosch Chassis	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
8	01	Kinetic Electricals , Vadgaon Maval	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
9	01	Vega Controls, Kandali	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
10	01	Cummins India	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
11	01	Luft Power Engineering	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.

For Academic Year (2018-19):-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Relevance to POs & PSOs
1	01	Lahs Green Pvt. Ltd.	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
2	01	Trigo	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
3	02	Tata Motors Ltd.	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
4	06	John Dere	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
5	03	L & T Defence	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
6	01	Midea India Pvt. Ltd.,Supe	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
7	01	Bajaj Auto Pvt. Ltd	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
8	01	Technocraft	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
9	01	Jabil Ckt. India	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
10	01	Kehin Fie	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
11	02	Sigma Electricals	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.

For Academic Year (2017-18):-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Relevance to POs & PSOs
1	01	Forbes Marshal	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
2	06	GE India	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
3	01	John Dere	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
4	01	Elring Clinger	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
5	02	Epitome Components Pvt. Ltd.	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
6	01	BPCL	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
7	01	Bajaj Auto India	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
8	01	Advik Hi-Tech India Pvt. Ltd.	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
9	05	Sigma Electricals	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
10	01	Align Componets	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
11	01	Hier India	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.

12	01	Zf India/ Midea	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
13	01	Technocraft ,Murbad	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
14	01	Kehin Fie	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.
15	01	Haldex India Pvt. Ltd.	PO-01,PO-02,PO-03,PO04,PO-05,PSO-01,PSO-02.

Details of Number taking Admission for Higher Study:

Year	Beneficiaries (Number of Students)	Relevance to POs & PSOs
2019-20	11	PO1 PO2 PO3 PSO1 PSO2
2018-19	13	PO1 PO2 PO3 PSO1 PSO2
2017-18	19	PO1 PO2 PO3 PSO1 PSO2

Details of Student Inplant Training Data:-

For Academic Year 2019-20:-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Beneficiaries From Course	Relevance to POs & PSOs
1	58	Virtually or Remotely Study of Industry (Online Mode)	ME4I	PO1 PO2 PO3 PO4 PO7 PSO1 PSO2

For Academic Year 2018-19:-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Beneficiaries From Course	Relevance to POs & PSOs
1	24	Samarth Motors	ME4I	PO1 PO2 PO3 PO4 PO7 PSO1 PSO2
2	14	Nikee Tyres Retraders	ME4I	PO1 PO2 PO3 PO4 PO7 PSO1 PSO2
3	08	Omkar Industries	ME4I	PO1 PO2 PO3 PO4 PO7 PSO1 PSO2
4	09	Shree Sadgurukrupa Automotive	ME4I	PO1 PO2 PO3 PO4 PO7 PSO1 PSO2

Details of Industry Expert Lectures:-

For Academic Year 2020-21:-

Sr. No.	Beneficiaries (Number of Students)	Name of Resource Person	Beneficiaries From Course	Relevance to POs & PSOs
1	60	Mr. Kolase Prashant	ME4I & ME6I	PO1,PO2,PO3,PO4,PSO1
2	110	Mr.Dhananjay Patole	ME3I & ME5I	PO1,PO2,PO7,PSO1,PSO3
3	110	Mr.Anand Kulkarni	ME4I & ME6I	PO5,PO7,PSO3
4	110	Mr.Balasaheb Kalekar	ME4I & ME6I	PO1,PO2,PO3,PO7,PSO1,PSO2

For Academic Year 2019-20:-

Sr. No.	Beneficiaries (Number of Students)	Name of Resource Person	Beneficiaries From Course	Relevance to POs & PSOs
1	50	Mr. Narayan Mennon	ME6I	PO1, PO2,PO3,PO4,PO10, PSO1
2	35	Mr. Ladhane Kiran	ME1I, ME3I & ME5I	PO1, PO2,PO3,PO4,PO10, PSO2
3	133	Dr. Kanase Nikhil	ME1I, ME3I & ME5I	PO5,PO6,PO10, PSO3
4	35	Mr. Kolhe Bharat	ME6I	PO1, PO2,PO3,PO4,PO10

For Academic Year 2018-19:-

Sr. No.	Beneficiaries (Number of Students)	Name of Resource Person	Beneficiaries From Course	Relevance to POs & PSOs
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1	75	Mr. Vijay Jadhav	ME4I & ME6I	PO1, PO2, PO4, PO6, PO10
2	75	Mr. Bhavesh Ahire	ME4I & ME6I	PO1, PO2, PO4,
3	68	Prof. Raut A.A	ME4I & ME6I	PO2, PO8, PO9 , PSO3
4	75	Prof. Sanket Waman	ME4I & ME6I	PO5, PO6, PO10

Details of Industrial Sponsored Project:-

For Academic Year 2020-21:-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Name of Sponsored Project	Relevance to POs & PSOs
1	04	Kanak Dairy Farm	Vedic Curd Curing machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3

For Academic Year 2019-20:-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Name of Sponsored Project	Relevance to POs & PSOs
1	04	Kusum Agro Sangammer	E- Plough Agri Equipment	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
2	04	Avadoot Fabrication	Four Way Hacksaw Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
3	04	Samarth Motors Belhe	Design & Fabrication of easy handling trolley	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
4	04	Samarth Motors Belhe	Chainless Cycle	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
5	04	Samarth Motors Belhe	Bicycle Loop Suspension System	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
6	04	Samarth Motors Belhe	Hydraulic Floor Crane	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3

For Academic Year 2018-19:-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Name of Sponsored Project	Relevance to POs & PSOs
1	03	Vaishnavi Builder & Developers Rajgurunagar	Sand Operator Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
2	01	Samarth Motors Belhe	DIY Electric Scooter	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
3	04	Shivam Electrical and Motor Rewinding Ambegaon	Self-Power Generated E-Bike	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
4	04	Harsh Infotech Nighoj	Manual Operated Transplanter	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
5	03	Mauli Multistate Co-operative Society LTD Alephata	Air Electric Bicycle	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
6	04	Netword Cyber Café Alephata	Electric Air Bicycle with Solar Charging	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
7	04	Ganesh Electricals and Air Conditioner Belhe	Pneumatic Bar Bending Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
8	04	Kamal Communication Alkuti	Automatic Speed Regulation of Shaft	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
9	03	Saideep Fabrication Rajuri	Manually Operated Spring Maker	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
10	04	Avighna Claritec Ambernath	Table Frame Taking Fixture	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
11	02	Avighna Claritec Ambernath	Auto Converter	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3

Details of Career Guidance and Counseling for Higher Studies:-

Year	Beneficiaries (Number of Students)	Name and Designation of Resource Person	Beneficiaries From Course	Relevance to POs & PSOs
2020-21	55	Dr. Anil Patil (Principal SGFI Belhe)	ME6I	PO1,PO2,PO4,PO5,PO6,PSO1,PSO2
2019-20	50	Mr. D.S. Deshmukh (Dean SGFI Belhe)	ME6I	PO1,PO2,PO4,PO5,PO6,PSO1,PSO2

2018-19	48	Mr. D.S. Deshmukh (Dean SGOI Belhe)	ME6I	PO1,PO2,PO4,PO5,PO6,PSO1,PSO2
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Details of Personality Development:-

Year	Activity	Topic	Date-Month-Year	Name of Resource / Industry Person with Designation	Beneficiaries
2020-21	Personality Development Program	Soft Skill	10/05/2021	Mr.Anand Kulkarni Softskill trainer unacademy	110
2019-20	Personality Development Program	Mobile and Social Media Addiction	11/09/2019	Dr. Kanase Nikhil (MBBS,MD & Psychologist) Shivneri Foundation Junnar, Pune	133
	Personality Development Program	Zero to Hero	28/12/2019	Mr. Deshmukh Pramod Past District Governor	35
2018-19	Personality Development Program	Students Development Program	25/01/2019	Prof. Raut A.A. Lecturer in PCP Polytechnic Pune	68
	Personality Development Program	Students Development Program	16/08/2018	Prof. Jadhav S.J Samarth College of Management	104

Details of Industrial Visits:-

For Academic Year 2019-20:-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Beneficiaries From Course	Relevance to POs & PSOs
1	35	Indo German Tool Room Aurangabad	MESI	PO1,PO2,PO3,PO4,PSO1
2	58	GK PLASTIC BHALAVANI	ME4I	PO1,PO2,PO3,PO4,PSO1
3	58	GAURAV AGRO PIPES BHALAVANI	ME4I	PO1,PO2,PO3,PO4,PSO1
4	58	PARAS PVC PIPES AND FITTING PVT LTD	ME4I	PO1,PO2,PO3,PO4,PSO1

For Academic Year 2018-19:-

Sr. No.	Beneficiaries (Number of Students)	Name of Industry	Beneficiaries From Course	Relevance to POs & PSOs
1	48	Minda Industries Chakan	MESI	PO1, PO2, PO3, PO4, PO5, PO7, PO8, PO9, PO10, PSO1
2	48	Science Museum Chakan	MESI	PO1, PO2, PO3, PO4, PO5, PO7, PO8, PO9, PO10, PSO1
3	35	Nashik Engineering Cluster Nashik	ME3I	PO1, PO2, PO3, PO4, PO5, PO7, PO8, PO9, PO10, PSO1
4	48	Mahindra CIE Automotive Pvt Ltd	MESI	PO1, PO2, PO3, PO4, PO5, PO7, PO8, PO9, PO10, PSO1
5	48	Tata Motors Pvt Ltd	MESI	PO1, PO2, PO3, PO4, PO5, PO7, PO8, PO9, PO10, PSO1

Details of MoU:

Sr.No.	Name of Company	MOU Date
1	Mahindra CIE Pune	01/02/2020
2	Samarth Motors Belhe	01/06/2019
3	Shri Sadgurukrupa Automobile Pune	01/06/2019
4	Saiprasad Ideal Packaging Narayangaon	01/06/2019
5	MCED MIDC Aurangabad	16/12/2019

8.5 Entrepreneurship Cell/Technology Business Incubator (5)

Total Marks 5.00
Institute Marks
5.00

A. Entrepreneurship Development Cell:

Entrepreneurship development cell exists in the Institution contributed by representatives from all departments of institute. EDP Cell has closed interaction with MCED, MITCON, DIC. Entrepreneurship Development Cell provides a culture of innovation to help budding entrepreneurs to realize their potential with the following objectives -

1. To train the students with the knowledge and resources needed to build startups.
2. To conduct:

- Entrepreneurship Awareness program.
- Entrepreneurship Development Programs (EDP).
- Skill Development Programs (SDP).

3. Building Entrepreneurs – Orient students towards entrepreneurship since this is the phase of life where they dreaming about their goals in life.

B. Management:

EDP cell invites government, government undertakings, Industries, small/medium scale enterprises for conducting entrepreneurship related awareness and guidance programs for Proposal Writing, getting finance, startups and overall management. Success stories of small scale entrepreneurs are presented to the students to motivate and develop self-confidence among them.

C. Effectiveness:

Sr.No.	is/no Students)	designation of Speaker	Program Name	Durations in days	Beneficiary From Program	Relevance to POs & PSOs
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CAY 2020-21

1	58	Mr.Navnath Pokale SAI- PRASAD IDEAL Entrepreneur PACKAGING	Qualities of Entrepreneur	1	ME	PO1,PO4,PO5,PO6,PO7,PSO1,PSO3
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CAY 2019-20

1	36	Mr.Sharad Tandale INNOVATION ENGINEERS	EDP	1	ME	PO1,PO4,PO5,PO6,PO7,PSO1,PSO3
2	36	Mr.Anesh Awari (CEO,GTIA, India,Pune)	Qualities of Entrepreneur	1	ME	PO1,PO4,PO5,PO6,PO7,PSO1,PSO3

CAY 2018-19

1	48	Mr. Rustum Darde (Project Officer)	Qualities of entrepreneur & Business Opportunities	1	ME	PO1,PO4,,PO7,PO8,PO9,PO10,PSO1,PSO3
2	48	Mr. D.S. Deshmukh, (Dean,SGOI)	Business Opportunity	1	ME	PO1,PO4,,PO7,PO8,PO9,PO10,PSO1,PSO3

Sucess stories of Student AY2018-19

Mr.Pratik Kapse

Entrepreneur

Batch-2018-19

Kamal communication

I am glad that I decided to perceive my Diploma from Samarth Polytechnic,Belhe after my 10th grade. Due to excellent Faculties and teaching the base for technical and Professional was well set.

This helped me to start my business Kamal communication in akuti. I have started my business from 2019 to provide electronics and electrical product. Now I am providing this product to customer as per their requirement.

Here I not only gained knowledge but also developed my personal skills, vision and a right approach towards life. My best wishes are always with this Institute and hope that the good work continues.

9.1 Organization, Governance and Transparency (25)

9.1.1 State the Vision and Mission of the Institute (5)

Total Marks 25.00

Institute Marks

5.00

Vision :

To Create Professionally Competent Engineers for Development of Society

Mission :

M1-To Impart Quality Education System in the Technical Field to Solve Engineering Problems M2- To Create Skilled Technician to Meet the Requirements of Industry and Society M3-To Enhance Educational Capabilities for Latest Technology, Ethical Practices and Sustainability M4 -To Develop Intrusive Attitude towards Life Long Learning

9.1.2 Governing body, administrative setup, functions of various bodies, define rules procedures, recruitment and promotional policies (5)

Institute Marks

5.00

9.1.2.1 Governing body

The governing body is unambiguously and collectively responsible for directing the institutional activities, determining its future direction and fostering an environment in which the institutional mission is achieved. The body meets minimum twice a year and proceedings of the meetings are maintained properly. The college is governed by the governing body which has been constituted as per the norms of AICTE and trust.

Responsibilities of Governing Body are:

1. To monitor and evaluate the teaching programs in the college and suggest remedial measures, to improve the academic performance to confirm the standards of teaching and the progress of studies in the college as laid down by the MSBTE
2. To recommend the selection committees constituted under the relevant regulations of the MSBTE and other committees
3. To monitor faculty deployment and development, placement and industry-institute interaction activities in the institute/college and suggest remedial measures wherever necessary
4. To approve yearly budget and to sanction budgets for major purchases of the institute
5. To accord approval for appointments of teaching and non-teaching staff required for smooth functioning of the academic schedules
6. To give necessary approval for appointments of additional staff for value added activities

The Governing Body is constituted as per the guidelines of AICTE, New Delhi.

The first Meeting of the Governing Body was held on 15-08-2008 in principal's cabin. Following are the details of Governing Body meetings:

Table 9.1: Members of Governing Body

Sr. No.	Name	Designation	Representative of
1.	Hon. Shri Vasantrao G. Shelake	Chairman	Trust
2.	Hon. Shri Dnyaneshwar G.Shelake	Vice Chairman	Trust
3.	Hon .Shri Vivek V. Shelake	Secretary	Trust
4.	Hon. Shri Vallabh V. Shelake	Member	Trust
5.	Hon. Shri Tulshiram B.Shinde	Member	Trust
6.	Hon. Mrs. Sarika V. Shelake	Member	Trust
7.	Hon. Mrs. Snehal V. Shelake	Member	Trust
8.	Representative from AICTE	Member Secretary AICTE	AICTE
9.	Representative from MSBTE	Dy. Secretary R.O. Pune	MSBTE
10.	Mr. Rajiv V. Sawant	Member	Representative from Academic
11.	Mr. Dnyaneshwar.B. Gatkal	Member	Representative from Industry
12.	Mr. Sanjay B. Kandhare	Academic Coordinator	Representative from Faculty
13.	Mr. Vishal P. Kamble	Member	Representative from Faculty
14.	Mr.Mahesh S. Pokharkar	Member	Representative from Faculty
15.	Mr. Anil S. Kapile	Member Secretary	Principal

Table 9.2: Dates of Governing Body meetings and members present

Sr. No.	Date of Meeting	No. of Members Present for the Meeting	Sr. No.	Date of Meeting	No. of Members Present for the Meeting
1	15/08/2008	13	15	12/06/2015	13
2	05/01/2009	13	16	09/06/2016	13
3	03/07/2009	13	17	15/06/2016	13
4	15/01/2010	13	18	05/01/2017	13
5	04/07/2010	13	19	20/06/2017	13
6	09/01/2011	13	20	08/01/2018	13

7	06/07/2011	13	21	15/06/2018	13
8	18/01/2012	12	22	04/01/2019	13
9	10/07/2012	13	23	27/06/2019	13
10	07/01/2013	13	24	15/01/2020	13
11	16/07/2013	13	25	28/06/2020	13
12	10/01/2014	13	26	10/12/2020	13
13	03/01/2014	13	27	21/03/2021	11
14	16/07/2015	12	28		

In Self-Assessment Report, we have mentioned the last 3 meetings conducted by Governing Body and major decisions taken in those meetings.

9.1.2.1 Minutes of 27th Meeting of Governing Body held on 21/03/2021 at Director Cabin:

Table 9.3: Members present for the meeting on 21/03/2021

Sr. No.	Name	Position
1.	Hon. Shri Vasantrao G. Shelake	Chairman
2.	Hon. Shri Dnyaneshwar G. Shelake	Vice Chairman
3.	Hon. Shri Vivek V. Shelake	Secretary
4.	Hon. Shri Vallabh V. Shelake	Member
5.	Hon. Shri Tulshiram B. Shinde	Member
6.	Mr. Rajiv V. Sawant	Member
7.	Mr. Dnyaneshwar B. Gatkal	Member
8.	Mr. Sanjay B. Kandhare	Academic Coordinator
9.	Mr. Vishal P. Kamble	Member
10.	Mr. Mahesh S. Pokharkar	Member
11.	Mr. Anil S. Kapile	Member Secretary

Following business was transacted during this meeting:

- The confirmation of the minutes of the last meeting was done By Prof. Sanjay B. Kandhare. The minutes of the earlier meeting held on 10/12/2020 were read and unanimously confirmed.
- The second issue about application of pre-qualifier and SAR report work was put before the meeting by Prof. Anil S. Kapile.
- The third issue regarding use of virtual lab for practical conduction was put before the meeting by Hon Shri Vallabh V. Shelake.
- The fourth issue about the result analysis for summer 2020 examination was put up before the meeting by Prof. Sanjay B. Kandhare.
- The fifth issue about purchasing of material for mechatronics and computer engineering was put before the meeting by Prof. Sanjay B. Kandhare.
- The sixth issue about Admission position for the A.Y. 2020-21 was put before the meeting by Prof. Anil S. Kapile.
- The seventh issue about functioning of various cells was put before the meeting by Prof. Anil S. Kapile. There being no further issue to discuss, meeting was concluded with vote of thanks to the chair and all present.

Action Taken Report on the Resolution of the 27th Governing Body Meeting Held on 21/03/2021 at Director's Cabin:

- The action taken report on various resolutions of the last Governing Body Meeting was presented before the members. The minutes of the last meeting held on 10/12/2020 were read and unanimously confirmed.
- The second issue was application and review of preparation of Pre-qualifier and SAR report submission. Governing body members were suggested to complete NBA related work on priority. Thorough discussion was made and it was unanimously resolved to speed up the process.

With reference to the third issue, Hon Shri. Vallabh V. Shelake suggested to use of virtual labs and The Governing body members were discussed about use of virtual labs of An Initiative of Ministry of Education under the National Mission on Education through Information and Communication Technologies (ICT). Hon Shri. Vivek V. Shelake responded positively about among the tools used in e-learning is the simulation of real labs, or virtual labs. The student is exposed to a virtual environment similar to a real physical lab. The virtual lab allows the student to enjoy performing experiments safely and getting results using the computer. Thorough discussion was made and it was unanimously resolved to approve the same.

With reference to the fourth issue, thorough discussion was made about the result analysis for summer 2020 examination and following decisions were taken unanimously.

- The appreciation letter is given to first year HOD and their department staff for maintaining good result track.
- Hostel visit of the teachers be arranged as usual for guiding the students having backlog subjects.
- The above be made applicable for the teachers of all the years.
- However where backlog students are more in a particular subject, more lectures per week of the concerned person be scheduled.
- Proper mechanism of recording the visit of such teachers be made available at the hostels.
- If the result in a particular subject is below the minimum specified as per the details given below, letter be issued to the concerned teacher.

Sr. No.	Class	Minimum %
1.	F.Y.	60%
2.	S.Y.	70% except numerical subjects -60%
3.	T.Y.	80%

7. If the result of the particular class is below the minimum specified for that class as per the details given below, letter be issued to class-coordinator.

Sr. No.	Class	For clear Pass	Minimum % pass including ATKT
1.	F.Y.	60%	85%

2.	S.Y.	70%	90%
3.	T.Y.	95%	-

• With reference to the fifth issue, about purchasing of material for mechatronics and computer engineering was sanctioned by governing body members. They were confirmed unanimously.

• With reference to the sixth issue, the detail of admission position of year 2020-21 is as given below.

Sr. No.	Branch Code	Name of the Course	Sanctioned Intake Capacity	Boys	Girls	TOTAL	Vacancy if any
1	CO	Computer Engineering	60+3(T)+3EWS	36	29	65	0
2	EE	Electrical Engineering	30+3(T)+3EWS	28	0	28	0
3	EJ	Electronics & Tele.Engg.	30+3(T)+3EWS	18	7	25	0
4	ME	Mechanical Engineering	60+3(T)+3EWS	34	3	37	0
5	CE	Civil Engineering	60+3(T)+3EWS	12	9	21	0
Total:-				270	128	48	176
							0

TFWS- Tuition Fee waiver scheme

EWS- Economically Weaker Section

The meeting unanimously noted the above and expressed satisfaction over the admission position.

For the academic year 2020-21 all the admissions in all the branches are satisfied. The board showed satisfaction and felicitated Prof. Anil S. Kapile Principal of Polytechnic for the extra ordinary achievement.

• With reference to the seventh issue, Discussed about the functioning of various cells and the members were satisfied with the improvement.

9.1.2.1.2 Minutes of 26th Governing Body Meeting held on 10-12-2020:

Table 9.4: Members present for the meeting on 10/12/2020

Sr. No.	Name	Position
1	Hon. Shri Vasantrao G. Shelake	Chairman
2	Hon. Shri Dnyaneshwar G.Shelake	Vice Chairman
3	Hon .Shri Vivek V. Shelake	Secretary
4	Hon. Shri Vallabh V. Shelake	Member
5	Hon. Shri Tulshiram B.Shinde	Member
6	Hon. Mrs. Sarika V. Shelake	Member
7	Hon. Mrs. Snehal V. Shelake	Member
8	Mr. Rajiv V. Sawant	Member
9	Mr. Dnyaneshwar.B. Gatkal	Member
10	Mr. Sanjay B. Kandhare	Academic Coordinator
11	Mr. Vishal P. Kamble	Member
12	Mr. Mahesh S.Pokharkar	Member
13	Mr. Anil S. Kapile	Member Secretary

Prof. Anil S. Kapile was invitee member for this meeting.

Following business was transacted during this meeting:

- The confirmation of the minutes of the last meeting was done By Prof. Sanjay B. Kandhare. The minutes of the earlier meeting held on 28/06/2020 were read and unanimously confirmed.
- The second issue about adding new course in existing programs and increase in intake was put before the meeting by Prof.Anil S.Kapile.
- The third issue about NBA application was put before the meeting by Hon Shri Vallabh V. Shelake.
- The fourth issue about college building development according to norms was put before the meeting by Hon Shri Vivek V. Shelake.
- The fifth issue about to increase internet speed intake was put before the meeting by Prof.Anil S. Kapile. There being no further issue to discuss, meeting was concluded with vote of thanks to the chair and all present.

Action Taken Report on the Resolution of the 26th Governing Body Meeting Held on 10/12/2020 at Director's Cabin:

- The action taken report on various resolutions of the last Governing Body Meeting was presented before the members. The minutes of the last meeting held on 28/06/2020 were read and unanimously confirmed.
- With reference to the second issue, adding new course in existing programs

Program	Course	Existing Intake	Proposed intake
Diploma	Mechatronics	-	30

Increase in intake

Program	Course	Existing Intake	Proposed increase in intake	Total intake

Diploma	Computer Engineering	60	30	90
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Hon Shri Vallabh V. Shelake advised the college to interact with the industry pertaining to Mechatronics applications to ensure better employability of the prospective industry. Hon Shri Vivek V. Shelake and Hon Shri Tulshiram B. Shinde responded positively.

- With reference to the third issue, The NBA Accreditation was proposed by Hon Shri Vallabh V. Shelake. The committee suggested improvements and corrections regarding PEOs and POs to each department. The committee also guided regarding SAR and pre-qualifier. Governing body members were given instruction to fill NAB accreditation application. Thorough discussion was made and it was unanimously resolved to speed up the process.

- With reference to the fourth issue, discussed was made about college building development according to NBA norms such as colors, HOD cabin modification and fall ceiling at top floor of polytechnic institute was put before the meeting by Hon Shri Vivek V. Shelake. They were confirmed unanimously.

With reference to the fifth issue, The Governing body members were given sanction to increase internet speed along with essential facility to conduction of academic work as well as NBA work.

9.1.2.1.3 Minutes of 25th Governing Body Meeting held on 28/06/2020:

Table 9.5: Members present for the meeting on 28/06/2020

Sr. No.	Name	Position
1.	Hon. Shri Vasantrao G. Shelake	Chairman
2.	Hon. Shri Dnyaneshwar G. Shelake	Vice Chairman
3.	Hon. Shri Vivek V. Shelake	Secretary
4.	Hon. Shri Vallabh V. Shelake	Member
5.	Hon. Shri Tulshiram B. Shinde	Member
6.	Hon. Mrs. Sarika V. Shelake	Member
7.	Hon. Mrs. Snehal V. Shelake	Member
8.	Mr. Rajiv V. Sawant	Member
9.	Mr. Dnyaneshwar B. Gatkal	Member
10.	Mr. Sanjay B. Kandhare	Academic Coordinator
11.	Mr. Vishal P. Kamble	Member
12.	Mr. Mahesh S. Pokharkar	Member
13.	Mr. Anil S. Kapile	Member Secretary

Following business was transacted during this meeting:

- The confirmation of the minutes of the last meeting was done By Prof. Anil S. Kapile. The minutes of the earlier meeting held on 10/12/2020 were read and unanimously confirmed.
- The second issue About Budget for the Financial Year 2020-2021 was put before the meeting by Prof. Sanjay B. Kandhare.
- The third issue about online lecture facility was put before the meeting by Prof. Anil S. Kapile.
- The fourth issue about new staff recruitment was put before the meeting by Prof. Rajiv V. Sawant.
- The fifth issue about Provide Seed Money to faculty for Research and higher education was put before the meeting by Hon Shri Vallabh V. Shelake.
- The sixth issue about faculty development training program was put before the meeting by Prof. Sanjay B. Kandhare.
- The seventh issue about previous result analysis program was put before the meeting by Prof. Sanjay B. Kandhare.
- The eighth issue about institute level magazine, There being no further issue to discuss, meeting was concluded with vote of thanks to the chair and all present.

Action Taken Report on the Resolution of the 25th Governing Body Meeting Held on 28/06/2020 at Director's Cabin:

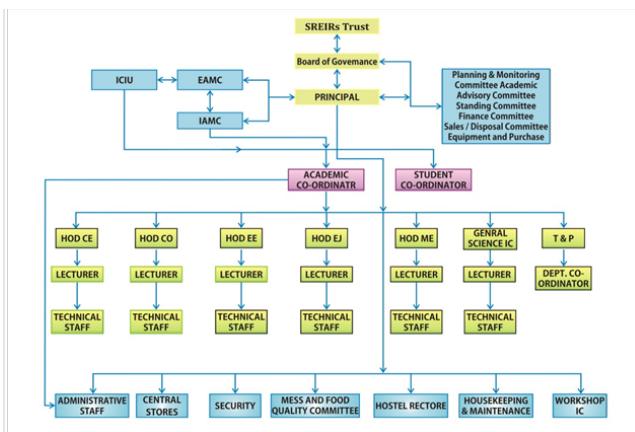
- The action taken report on various resolutions of the last Governing Body Meeting was presented before the members. The minutes of the last meeting held on 10/12/2020 were read and unanimously confirmed.
- With reference to the second issue, The Budget for the Financial Year 2020-2021 was put before the meeting. Thorough discussion was made and it was unanimously resolved to approve the same with modifications in the format.
- The Governing body members were discussed about different apps available for online teaching such as Go to Meeting, Cisco WebEx, Team Viewer, Join Me, Zoom, Apache Open Meeting, Google Hangouts, Google Meet and after detailed discussion on various apps, finally taken decision to take license copy of zoom app for online teaching.
- With reference to the fourth issue, discussed about the available Faculty position, requirement for the academic year 2020-21 as per the AICTE norms. The Body decided to give paper notification and recruit the required Faculty if need. Prof. Rajiv V. Sawant is directed to take necessary steps.
- With reference to the fifth issue, The Governing body members have given permission to Provide Seed Money to faculty for Research and higher education from 1st July, 2020 onwards.
- With reference to the sixth issue about faculty development training program, governing body members suggested to Prof. Anil S. Kapile to compulsion of faculty development training program for staff of all department organized by MSBTE as well as AICTE. It was confirmed unanimously.
- With reference to the seventh issue of meeting, it was decided to offer Appreciation Letters to the faculties whose subject results are 100%. It was further decided to give instruction to those faculties whose subject results are low. It was confirmed unanimously.
- With reference to the seventh issue of meeting, it was decided to publish the institute level yearly magazine. It was confirmed unanimously.

9.1.2.2 Administrative Setup

The administrative set-up of this institute is in conformation with the guidelines from AICTE with Board of Governors (BoG) / Governing Body (GB) at the helm. Other bodies, committees, sub-committees, etc. at institute and department level make the set-up decentralized one with appropriate authorities delegated at different levels. All the parts (Principal, HOD, Class Coordinators, etc.) of institute act as per the system manual prepared by the organization. This manual is well defined and each member of this organization is expected to follow this manual. MSBTE and DTE govern the procedural structure for an institute for all over Maharashtra, as this institute is affiliated to MSBTE, the structures and roles (Examination cell, Course assessment, etc.) are followed by this institute.

For smooth and effective functioning of the institute, following statutory committees, and sub committees, at the level of BoG / GB and institute, have been constituted.

1. Board of Governors (BoG) / Governing Body (GB)
2. ICIU (Institute Level Curriculum Implementation Unit)
3. EAMC (External Academic Monitoring Committee)
4. IAMC (Internal Academic Monitoring Committee)



1. Academic Advisory Committee
2. Committee to Restraine Sexual Harassment
3. Anti-Ragging / High Level Standing Committee
4. Grievance Redressal Committee
5. Standing Committee
6. Finance Committee
7. Building Committee
8. Sales / Disposal Committee
9. Equipment and Purchase Committee
10. Mess and Food Quality Monitoring
11. Anti-Ragging Squad
12. Students' Council

Table 9.6: Planning & Monitoring Committee

Sr.No.	Name	Designation	Responsibilities/ Roles
1	Mr. Natha S. Phaphale	Chairman	Helping in process of planning and coordination on administrative and academic fronts
2	Mr. Vivek V. Shelake	Member	
3	Dr. Anil J. Patil	Member (Engg .Principal)	
4	Mr.Sanjay B. Kandhare	Member	
5	Mr. Anil S.Kapile	Member Secretary	

Table 9.7: Academic Advisory Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Rajiv V. Sawant	Chairman	Helping in the process of research, academic planning and coordination
2	Mr. Vallabh V. Shelake	Member	
3	Mr. Sanjay B. Kandhare	Member	
4	Mr.Sameer B. Awate	Member	
5	Dr. Anil J. Patil	Member	
6	Mr. Anil S.Kapile	Member Secretary	

Table 9.8: Building And Electrical Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Vivek V. Shelake	Chairman	Acting as a platform to provide planning, coordination and streamlining the construction as well as maintenance work
2	Mr. Vishal P.Kamble	Member	

3	Mr. Ankush K.Kanse (Contractor)	Member	
4	Mr. Sham S. Jadhav (Electrician)	Member	
5	Mr.Anil S. Kapile	Member Secretary	

Table 9.9 Equipment Purchase Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Vivek V. Shelake	Chairman	Streamlining and approving the purchases
2	Mr. Vallabh V. Shelake	Member	
3	Mrs. Sarika P. Raut	Member	
4	Mrs. Snehal V. Shelake	Member	
5	Mr. Anil S.Kapile	Member Secretary	

Table 9.10: Sales and Disposal Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Vivek V. Shelake	Chairman	Acting as a platform for disposing scrap material of the institute.
2	Mr. Dashrath R. Dhulsander	Member	
3	Mr. Vishal P. Kamble	Member	
4	Mr. Mahesh S. Pokharkar	Member	
5	Mr. Rahul R. Jadhav	Member	
6	Mr. Vikas S. Chandre	Member	
7	Mr. Nandkishor H. Murhekar	Member	
8	Mr. Anil S.Kapile	Member Secretary	

Table 9.11: Finance Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Shri. Vasantrao G. Shelake	Chairman	Helping in the process of maintaining a continuous review of the financial affairs of the Institute
2	Shri. Dnyaneshwar G.Shelake	Vice-Chairman	
3	Mr. Vivek V. Shelake	Member	
4	Mr. Vallabh V. Shelake	Member	
5	Mr.Tulashiram B. Shinde	Member	
6	Mr. Anil S. Kapile	Member Secretary	

Table 9.12: Institute Level Curriculum Implementation Unit (ICIU)

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S. Kapile	Principal	This committee is responsible for institute planning, monitoring curriculum implementation and for maintaining records.
2	Mr. Vishal P. Kamble	HOD CE	
3	Mr. Mahesh S. Pokharkar	HOD CO	
4	Mr. Vikas S. Chandre	HOD EE	
5	Mr. Rahul R. Jadhav	HOD EJ	
6	Mr. Dashrath R. Dhulsander	HOD ME	
7	Mr. Adinath S. Satpute	Faculty Member	
8	Mr. Nandkishor H. Murhekar	Faculty Member	
9	Mr. Sanjay B. Kandhare	Academic Coordinator (I/C First Year)	

10	Miss. Siddhi S Sarode	Student Member	
11	Mr.Saurabh A. Auti	Student Member	
12	Mr. Gopal K. Auti	Parent Representative	

Table 9.13: Internal Academic Monitoring Committee (IAMC)

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S. Kapile	Chairman	IAMC is expected to follow the guidelines provided by academic committee through MSBTE and ensure its implementation by all departments in the institute.
2	Mr. Vishal P. Kamble	Member	
3	Mr. Mahesh S. Pokharkar	Member	
4	Mr. Vikas S. Chandre	Member	
5	Mr. Rahul R. Jadhav	Member	
6	Mr. Dashrath R. Dhulsainder	Member	
7	Mr.Nandkishor H. Murhekar	Member	
8	Mr. Rakesh R.Tannu	Member	
9	Mr. Harish B. Phokmare	In charge IMC	
10	Mr. Sanjay B. Kandhare	Academic Coordinator	

Table 9.14: Mess and Food Quality Monitoring

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S. Kapile	Chairman	<ul style="list-style-type: none"> • To suggest and maintain the quality of food in canteen as well as mess in the college premises • Discuss with students and take feedback about food quality • Visit to canteen and check quality and cleanliness of premises
2	Mr. Sanjay B. Kandhare	Academic Coordinator	
3	Mr. Rajabhai D. Dhabale	Member (Rector Boy)	
4	Mrs.Sulochana G. Gawari	Member(Rector Girl)	
5	Mr. Sachin S. Kadu	Member (Staff Gents)	
6	Mr. Vikas S. Chandre	Member (Staff Gents)	
7	Mrs. Nutan P. Shelake	Member (Staff Ladies)	
8	Mrs. Sujata K. Ghige	Member (Staff Ladies)	

Table 9.15: Students' Council

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S. Kapile	Chairman	To suggest the measures to prevent sexual harassment in the campus and make inquiry and recommend the action in case of harassment, if any.
2	Mr. Adinath S. Satpute	Member Secretary	
3	Mrs. Sujata K. Ghige	Faculty	
4	Mr. Dashrath R. Dhulsainder	HOD ME	
5	Mr. Mahesh S. Pokharkar	HOD CO	
6	Mr. Rahul R. Jadhav	HOD EJ	
7	Mr. Vikas S. Chandre	HOD EE	
8	Mr. Vishal P. Kamble	HOD CE	
9	Miss Anuja B. Adak	Member student CR-FYEJ	
10	Miss Sujal A. Wagh	Member student CR-FYME	
11	Miss Samruddhi B. Bhor	Member student CR-FYCE	
12	Mr. Shivang B. Walunj	Member student CR-FYEE	
13	Miss Sanjana J. Derc	Member student CR-FYCO	
14	Mr. Shravnii S. Yendhe	Member student CR SYEJ	
15	Mr. Ishant H. Khanapurkar	Member student CR SYME	

16	Mr. Vendant G. Auti	Member student CR SYCE
17	Miss Kanchan B. Viral	Member student CR SYCO
18	Miss. Ankita M. Temgire	Member student CR TYEJ
19	Miss Aditi V. Nikam	Member student CR TYME
20	Miss Nikita P. Chaudhari	Member student CR TYCE
21	Miss Purva G. Thite	Member student CR TYCO

In addition to the committees and bodies mentioned above, the college has the following Non-statutory committee.

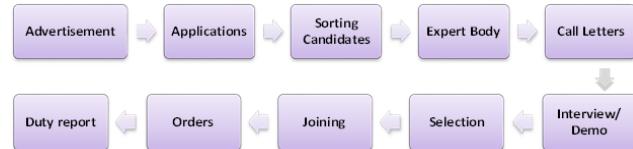
Table No. 9.16: Non-statutory Committee

Sr. No.	Committee	Headed By
1	Director	Mr. Rajiv V. Sawant
2	Principal	Mr. Anil S. Kapile
4	R & D Coordinator	Mr. Mahendra B. Khatate
5	Students Activity Coordinator	Mr. Sanket T. Vighe
6	Academic Coordinator + First Year I/C	Mr. Sanjay B. Kandhare
7	Officer I/C	Mrs. Preeti S. Kakade
8	Head, Department of Civil Engineering	Mr. Vishal P. Kamble
9	Head, Department of Computer Engineering	Mr. Mahesh S.Pokarkar
10	Head, Department of Electronics & Telecommunication Engineering	Mr. Rahul R.Jadhav
11	Head, Department of Electrical Engineering	Mr. Vikas S.Chandre
12	Head, Department of Mechanical Engineering	Mr. Dashrath R. Dhulsainder
13	Training & Placement Cell and Student Development	Mr. Sachin S.Pokarkar
14	Committee for Computer and Professional Training Courses (not covered under T & P)	Mr. Rakesh R. Tannu
15	Library Committee	Mr. Ganesh S. Navale
16	Cultural Committee	Mr. Dattatraya L. Shinde
17	Sports Committee	Mr. Kiran D. Wagh
18	Student Council	Mr. Rahul R. Jadhav
19	Workshop In-charge	Mr. Nandkishor H.Murhekar
20	Diploma College Hostels Committee	Mr. Anil S.Kapile
		Mr. Sachin S. Kadu
		Mr. Vikas S. Chandre
		Mr. Rajabhau B. Dhabale
21	House Keeping & Safety Committee	Mr. Sunil B. Gaikwad
22	Discipline Committee	Mr. Anil S. Kapile
23	Stationery & Examination Committee	Mr. Adinath S.Satpute
24	Magazine, Information Brochure and Publicity Committee & News	Mr. Adinath S. Satpute
25	Mess & Food Quality Maintenance Committee	Mr. Vikas S.Chandre
26	Committee for Maintenance of each Department	Mr. Mahesh S. Landge
27	Water Supply Committee	Mr. Bajirao M.Kasal
28	R & D Cell	Mr. Mahendra M. Khatate
29	Learn and Earn Committee	Mr. Akahay B. Sunsule

30	Academic Calendar Committee	Mr. Sanjay B. Kandhare
31	Faculty Development Cell	Mrs. Nutan P. Shelake
32	Store and Purchasing related Tender Advertisements	Mr. Sunil B. Gaikwad
33	Hospitality, Ticketing and Accommodation	Mr. Pradip S. Aher
34	Network Maintenance and Website Updating Committee	Mr. Maruti S. Wagh

9.1.2.3: Recruitment Policies:

Recruitment Procedure: Samarth polytechnic Belhe goes through following steps while conducting recruitment in polytechnic.



9.1.2.3.1: Defined Rules, Procedures and Promotional Policies:

- The institute runs as per the guidelines of AICTE, related statutes, ordinances and regulations of the MSBTE. Roaster for all the posts are approved from concerned authority (The Assistant Commissioner of the respective Revenue Division) as per **G.R. BCC/2009/serial No 291/09/16-B dated 5th Nov 2009**. The number of total posts for all disciplines is calculated as per the AICTE & MSBTE norms and teaching load as per curriculum.
- The rules and policies regarding recruitment and promotion are as per AICTE and the Trust of Samarth polytechnic belhe.
- The AICTE pay scales are implemented periodically.
- Additional increments are given to staff members who excel in academics and research.
- In addition, institute has its own System Manual and PPPE as its policy documents. The decisions made by the authorities of the institute are brought in the form of circulars.

1. **Advertisement:** Advertisement is given in leading newspapers as per AICTE norms, requesting the eligible candidates to apply within given time, to the Principal.

2. **Applications:** The applications along with the resumes and supporting documents are collected at the office.

3. **Sorting Candidates:** The list of candidates is sorted as per the eligibility, qualification criteria and experience.

4. **Expert Body:** An expert panel consisting of Principal, HOD, and course expert is formed.

5. **Call Letters:** Eligible candidates are called for interview.

6. **Interviews/Demo lectures:** Interviews and demo lectures of the candidates are conducted to know their potentials, strengths, teaching skills, technical knowledge etc.

7. **Selection:** Based on the performance and requirement, selection list in the order of merit is prepared.

8. **Joining:** Appointment orders are issued to selected candidates. Selected Candidates should report to the duty on or before the given deadline.

9. **Orders:** Appointment orders are issued to selected candidates.

10. **Duty report:** Selected Candidates should report to the duty on or before the given time.

9.1.2.3.2: Promotional Policies:

Each employee of the Institute is evaluated in a systematic manner on an annual basis. The Head of the Department leads the performance appraisals which are further reviewed by Principal and the Management. Areas to be evaluated include adjustment to the position, attitude, co-operation, engaging lecturers, students' attendance, result, classroom control, student guidance and counseling, assignment evaluation, learning resources development, seminar, training attended, co-curricular activities, administrative functions and punctuality, potential for future development, productivity, capability, goals and efficiency. Within the framework of Staff promotion scheme, the faculty members with adequate qualification, experience, publications, and good performance appraisals are promoted to the higher levels. While promoting a staff member, rules and regulations laid down by AICTE, DTE & state government are strictly followed.

9.1.3 Decentralization in working and grievance redressal mechanism (5)

Institute Marks

5.00

9.1.3.1 Decentralization in Working

The Management of Institute believes in decentralization of authorities and accordingly administrative, academic, financial power and authority in respect of grievance redressal system are delegated.

Delegation of Administrative and Academic Authority:

The institute has incorporated In-charge system in administrative set up in addition to conventional HOD / In-charges system and authority is delegated as per the details given below:

Table 9.17: Delegation of Administrative and Academic Authority

Sr. No.	Post/Designation	Reporting Authority
1	Principal	Chairman/Secretary/GB/Trustee
2	Vice Principal	Principal
3	Administration In charge	Principal
4	Students In charge	Principal
5	Academics In charge	Principal

6	HOD	Principal
7	Lecturer	HOD
8	TPO In charge	Principal
9	Administrative staff	Principal
10	Non-Teaching staff	HOD
11	Librarian	Principal
12	Workshop Superintendent	Principal & HOD

9.1.3.2: Grievance Redressal Mechanism:

This committee is constituted in every academic year for redressal of grievances from students, employees, parents and other interested parties. Also, for making appeal on the Grievance Redressal Committee, there is an arrangement of Ombudsman. A forum of women is functioning separately for taking up issues related to the women independently. Following six committees are formed for the Redressal of Grievances.

1. Anti-Ragging / High Level Standing Committee
2. Grievance Redressal Committee
3. Anti-Ragging Committee
4. Women Grievance Redressal Committee
5. Anti-Ragging Squad Committee
6. Committee to Restraine Sexual Harassment

9.1.3.2.1: Mechanism of Working:

1. The boards are prepared with names of members and contact details and displayed at prominent places.
2. The aggrieved person can submit the complaint in writing to any of the members of the committee which is to be submitted to the Principal by the concerned member.
3. The Principal decides the date and calls the meeting of the committee whereby, in the interest of natural justice the Principal provides the copy of the complaint to the person(s) against whom the complaint is made and they are asked to remain present before the meeting with their explanation, if any.
4. Based on the enquiry made by the committee, it recommends the actions to be taken.

Table 9.18: Anti-Ragging / High Level Standing Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S. Kapile	Chairman	To suggest the measures to maintain the campus ragging free and make enquiry and recommend the action in ragging cases, if any.
2	Mr. Vikas H. Gosavi Alephata Police Station	Member	
3	Mr. Vijay V.Deshpande Press Reporter Lokmat	Member	
4	Mrs.Sujata P. Gadekar Advocate	Member	
5	Mr. Sanjay B Kandhare Academic Co-ordinator	Member	
6	Mr. Dashrath R. Dhulsainder HOD. MECH	Member	
7	Mr. Mahesh S. Pokharkar HOD CO	Member	
8	Mr. Rahul R. Jadhav HOD E&TC	Member	
9	Mr. Vishal P. Kamble HOD CE	Member	
10	Mr. Rajabhai G. Dhabale Boys Hostel Rector	Member	
11	Mrs. Sulochana G.Gawari Girls Hostel Rector	Member	
12	Mr. Santosh S.Yendhe Parents Representative	Member	
13	Mr.Atharv R. Shinde Boys students Representative	Member	

14	Mrs. Anushaka D.Gunjal Girls Students Representative	Member	
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Table 9.19: Members of Grievance Redressal Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S. Kapile	Chairman	Acting as a platform for redressal of complaints from students, staff, etc.
2	Mr.Sanjay B. Kandhare	Member	
3	Mr. Dashrath R. Dhulsainder	Member	
4	Mr. Mahesh S. Pokharkar	Member	
5	Mr. Rahul R. Jadhav	Member	
6	Mr.Vishal P. Kamble	Member	
7	Mrs. Sujata K. Ghige	Member	

Table 9.20: Women Grievance Redressal Committee/Internal Complaint Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mrs. Sujata K. Ghige (Lecture)	Chairman	To suggest the measures to prevent sexual harassment in the campus and make enquiry and recommend the action in case of harassment, if any.
2	Mrs.Sujata P. Gadekar (Advocate)	Member	
3	Mrs. Nutan P. Shelake (Lecture)	Member	
4	Mrs. Preeti S.Kakade (Office I/C)	Member	
5	Mr. Pradip S.Aher (Sr. Cleark)	Member	
6	Mrs. Supriya S. Bangar (Lab. Asst.)	Member	
7	Ku. Anuja B.Adak	Student Representative	
8	Ku. Vaishali B.Phad	Student Representative	
9	Ku. Samruddhi C.Shirole.	Student Representative	
10	Mr. Sanjay B. Kandhare	Academic Co-ordinator	
11	Mr. Anil S. Kapile	Principal	

Table 9.21: Anti Ragging Squad Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S. Kapile Principal	Chairman	To suggest the measures to maintain the campus ragging free and make enquiry and recommend the action in ragging cases, if any.
2	Mr.Sanjay B. Kandhare Academic Co-ordinator	Member	
3	Mr. Dashrath R. Dhulsainder HOD. Mech	Member	
4	Mr. Mahesh S. Pokharkar HOD. CO	Member	
5	Mr. Rahul R. Jadhav HOD E&TC	Member	
6	Mr.Vishal P. Kamble HOD CE	Member	
7	Ku. Sanika N.Malunjे Girls Students Representative	Member	

8	Ku. Aditya S.Thorawade Boys Students Representative	Member	
9	Mrs. Sulochana G.Gawari Girls Hostel Rector	Member	
10	Mr.Rajabhai G. Dhabale Boys Hostel Rector	Member	

Table 9.22: SC/ST Committee

Sr. No.	Name	Designation	Responsibilities/ Roles
1	Mr. Anil S.Kapile	Chairman	To look into the complaints if any received from the concerned staff and students belonging to SC/ST
2	Mr. Rahul R.Jadhav	Member	
3	Mr. Sanjay B.Kandhare	Member	
4	Mr. Vishal P. Kamble	Member	
5	Mr. Vishal S.Jedgule	Member	
6	Mr. Dattatray B.Chavan	Member	
7	Ku. Sanika N.Malunjre	Member	
8	Ku. Aditya S.Thorawade	Member	

9.1.4 Delegation of financial powers (5)

Institute Marks

5.00

9.1.4:Delegation of Financial Powers:

A well decentralized pattern of working is followed at Samarth Polytechnic Belhe. Though the Principal is the academic head of the institution, many of his powers are delegated to Heads of Departments and other officers for efficient functioning. There are five HODs below the Principal who are in charge of various activities. The Heads of Departments are In charges of their departments.

The financial powers are delegated as per the table given below:

Sr. No.	Position	Financial Power (during the year) (in Rs.)	Financial Power (at a time)(in Rs.)
1	Principal	200000	30000
2	Head of the Department	50000	10000
3	Lab In-charge	5000	2000

List of Faculty Members Who Are Administrators/Decision Makers for Various Assigned Jobs.

Table 9.23: Administrative Responsibilities

Sr. No.	Name	Position
1	Mr. Anil S. Kapile	Principal
2	Mr.Sanjay B. Kandhare	First Year I/C, Academic Coordinator
3	Mr. Rahul R. Jadhav	Head of Department of E&TC
4	Mr. Mahesh S. Pokharkar	Head of Department of Computer Engineering
5	Mr. Vikas S. Chandre	Head of Department of Electrical Engineering
6	Mr. Dashrath R. Dhulsainder	Head of Department of Mechanical Engineering
7	Mr. Vishal P. Kamble	Head of Department of Civil Engineering
8	Mr. Sachin S. Pokharkar	In-Charge, T & P
9	Mr. Nandkishor H. Murhekar	Workshop Superintendent

9.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks

5.00

9.1.5. Transparency and Availability of Correct/Unambiguous Information in Public Domain:

The institute website www.sreir.org includes exhaustive information about this Polytechnic college as well as other sister institutions managed by the Trust. Various notices are regularly posted on website. The Academic plan is prepared by all the departments before proceeding on summer and winter vacations for Odd and Even Semesters. Administrative procedures are explained to new candidates recruited, in the induction training programme at the time of joining. Every staff member as well as student is informed about academic activities and their responsibilities on regular basis through meetings, notices and office orders.

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

Table 9.24 : Summary of current financial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years

Items	(Rs. In lacs)								
	Budgeted in FY 2020-21	Actual Expenses in FY 2020-21	Budgeted in FY 2019-20	Actual Expenses in FY 2019-20	Budgeted in FY 2018-19	Actual Expenses in FY (2018-19)	Budgeted in FY 2017-18	Actual Expenses in FY (2017-18)	
Infrastructural Built up	22.47	19.53	22.77	20.70	25.54	23.21	13.91	12.64	
Library	2.14	1.86	1.26	1.15	0.07	0.068	1.77	1.60	
Laboratory Equipment	1.99	1.73	8.55	7.77	11.38	10.34	8.86	8.06	
Laboratory Consumables	0	0	2.71	2.47	5.45	4.95	7.92	7.20	
Teaching and Non-Teaching Staff Salary	197.59	171.82	260.85	237.13	271.93	247.21	287.31	261.19	
Maintenance and Spares	2.79	2.42	7.32	6.65	9.32	8.47	7.21	6.56	
R&D	0	0	0.00	0.00	0.00	0	0.00	0.03	
Training & Travel	3.82	3.32	7.44	6.76	13.77	12.51	14.93	13.57	
Miscellaneous expenses	15.4	13.39	44.85	40.77	44.68	40.62	51.35	46.68	
Others Specify	26.08	22.68	30.83	28.02	34.07	30.97	40.53	36.85	
Total	272.28	236.77	386.58	351.43	416.21	378.38	433.79	394.39	

Table 1 - CFYm1 2019-20

Total Income 199.75				Actual expenditure(till...): 72.780			Total No. Of Students 132
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
199.75	00	00	00	71.070	1.71	00	0.55

Table 2 - CFYm2 2018-19

Total Income 244.19				Actual expenditure(till...): 73.19			Total No. Of Students 155
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
244.19	00	00	00	70.34	2.85	00	0.47

Table 3 - CFYm3 2017-18

Total Income 212.35				Actual expenditure(till...): 92.71			Total No. Of Students 183
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
212.35	00	00	00	89.94	2.77	00	0.51

9.2.1 Adequacy of Budget Allocation (4)

Institute Marks

4.00

Adequacy of Budget Allocation

The budget allocated for each departments by the institute are adequate and in case there is any deficiency, it is made from Institutes own resources. Apart from regular Budget, the departments are receiving different grants to meet their expenditure. The budget allocation and utilization for the last three years is adequate. Formal budget estimates are prepared by each department and are reviewed in HODs meeting with the principal and management.

9.2.2 Utilization of allocated funds (4)

Institute Marks

4.00

Utilization of Allocated Funds

The allocated funds are utilized properly and are adequate as per the Academic requirements. The budget funds are utilized on priority basis as per the requirements of each department based on availability of funds. However, all recurring and non-recurring expenditure of each departments is met in full.

9.2.3 Availability of the audited statements on the institute's website (2)

Institute Marks

2.00

Institute's audited statements are available at the following link:

<http://poly.sreir.org/wp-content/uploads/2021/06/Income-Expipen.pdf> (<http://poly.sreir.org/wp-content/uploads/2021/06/Income-Expipen.pdf>)

<http://poly.sreir.org/wp-content/uploads/2021/06/Balance-Sheet.pdf> (<http://poly.sreir.org/wp-content/uploads/2021/06/Balance-Sheet.pdf>)

9.3 Department Specific Budget Allocation, Utilization (5)

Total Marks 5.00

Table 9.25 : Program Specific Budget Allocation ,Utilization for CFY 2020-21

Total Budget in CFY:2020-21		Actual Expenses in CFY : 2020-21		Total number of students in CFY 160
Non recurring	Recurring	Non recurring	Recurring	Expenses per student
0.469	50.58	0.408	43.99	0.277

Table 9.26 : Program Specific Budget Allocation ,Utilization for CFYm1 2019-20

Total Budget in CFYm1 :2019-20		Actual Expenses in CFYm1 : 2019-20		Total number of students in CFYm1 132
Non recurring	Recurring	Non recurring	Recurring	Expenses per student
1.88	81.81	1.71	71.07	0.55

Table 9.27: Program Specific Budget Allocation ,Utilization for CFYm2 2018-19

Total Budget in CFYm2 :2018-19		Actual Expenses in CFYm2 :2018-19		Total number of students in CFYm2 155
Non recurring	Recurring	Non recurring	Recurring	Expenses per student
3.13	81.02	2.85	70.34	0.47

Table 9.28: Program Specific Budget Allocation ,Utilization for CFYm3 2017-18

Total Budget in CFYm3 :2017-18		Actual Expenses in CFYm2 :2017-18		Total number of students in CFYm3 183
Non recurring	Recurring	Non recurring	Recurring	Expenses per student
3.04	103.56	2.77	89.94	0.50

Table 9.29: Summary of Department Budget and Utilization

Items	Budgeted in FY 2020-21	Actual Expenses in FY 2020-21	Budgeted in FY 2019-20	Actual Expenses in FY 2019-20	Budgeted in FY 2018-19	Actual Expenses in FY 2018-19	Budgeted in FY 2017-18	Actual Expenses in FY 2017-18
	0.4692	0.408	1.881	1.71	3.135	2.85	3.047	2.77
Lab equipment	0	0	0	0	0	0.00	0	0
Software Purchase	0	0	2.552	2.32	1.914	1.74	1.98	1.8
Lab Consumables	0	0	1.815	1.65	2.31	2.10	1.7996	1.636
Maintenance	0.5566	0.48	0	0	0	0.00	0	0
R&D	0	0	0	0	0	0.00	0	0
Training & Travel	0.7636	0.664	1.848	1.68	3.366	3.06	3.729	3.39
Miscellaneous	0	0	0	0	0	0	0	0
Staff Salary	49.266	42.84	75.233	65.42	72.956	63.44	95.5765	83.11
Total	51.0554	44.40	83.697	72.78	84.1685	73.19	106.6119	92.71

Table 1 :: CFY 2020-21

Total Budget 51.04		Actual expenditure (till...): 44.39	
Non Recurring	Recurring	Non Recurring	Recurring
0.46	50.58	0.40	43.99

Table 2 :: CFYm1 2019-20

Total Budget 83.69		Actual expenditure (till...): 72.78	
Non Recurring	Recurring	Non Recurring	Recurring
1.88	81.81	1.71	71.07

Table 3 :: CFYm2 2018-19

Total Budget 84.15		Actual expenditure (till...): 73.19	
Non Recurring	Recurring	Non Recurring	Recurring
3.13	81.02	2.85	70.34

Table 4 :: CFYm3 2017-18

Total Budget 106.60		Actual expenditure (till...): 92.71	
Non Recurring	Recurring	Non Recurring	Recurring
3.04	103.56	2.77	89.94

9.3.1 Adequacy of Budget Allocation (2)

Institute Marks

2.00

Adequacy of Budget Allocation

The Head of the department suggests the concerned lab in charges to give the budget needed for the coming academic year. The Lab in charge gives, both, Recurring and Non - Recurring use financial plan needed for the lab. Based on the budget gave by different Lab in charges the last budget proposition will be set up with the accompanying things

- Laboratory equipment's
- Laboratory consumables
- Maintenance costs
- Miscellaneous costs

Budget given by the institute to the department is sufficient to keep up and acquire new things for the department, to meet the scholarly prerequisites. The yearly budget is prepared according to the needs & requirements of the departments taking into consideration of annual intake of students, laboratory & infrastructure developments. The budget allocation and utilization for the last four years is adequate.

9.3.2 Utilization of allocated funds (3)

Institute Marks

3.00

Utilization of Allocated Funds

The allocated funds are utilized properly and are adequate as per the Academic requirements. The budget funds are utilized on priority basis as per the requirements of department based on availability of funds. However, all recurring and non-recurring expenditure of departments is met in full (including salaries, lab consumables etc.)

Year	Total Budget (in Lakhs)		Actual Expenses (in Lakhs)	
	Non recurring	Recurring	Non recurring	Recurring
2020-21	0.469	50.58	0.408	43.99
2019-20	1.88	81.81	1.71	71.07
2018-19	3.13	81.02	2.85	70.34
2017-18	3.04	103.56	2.77	89.94

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

Library:**Quality of Learning Resources in Library:**

Carpet area of library (in m ²)	113.2 sq. m.
Reading Space (in m ²)	98.61 sq. m.
Digital library reading space	25.02 sq. m.
No. of seats in reading space	100 Students
Number of users (issue book per day)	150 Students
Number of users (reading space per day)	70 Students

Timings: During Working Days, Weekends& Vacation:

On All Working Days and on Weekends:	
Issue Section & Journal Section Timing	09.00 AM to 05.00 PM
Reference Section Timing	09.00 AM to 05.00 PM
Reading Section	24 Hours Open
During Vacation:	
Issue Section & Journal Section Timing	09.00 AM to 05.00 PM
Reference Section Timing	09.00 AM to 05.00 PM
Reading Section	24 Hours Open

Library Staff:

Number of Library Staff	04
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List of Library Staff with Qualification:**List of Library Staff**

Sr. No.	Name of Staff	Qualifications	Designation
1.	Mr. Ganesh S.Navale	B.A., M. Lib. & I. Sc. SET	Librarian
2.	Mr.Soham V.Kokani	B.SC., M. Lib. & I. Sc.,SET	Assistant Librarian
3.	Mrs.Sujata N. Awate	B.A.,M. Lib. & I. Sc.	Jr. Library Assistant
4.	Mr. Machhindra M.Ghophare	12 th Standard	Peon

Computerization for search

Indexing: Yes Issue/Return records

Bar coding used: Yes

Library services on Internet/Intranet INDEST or other similar Membership achieves:

1. DELNET (Developing Library Network), New Delhi.

2. NDL (National Digital Library of India) Kharagpur.

Titles and Volumes per Title:

Given below are the details of the number of journal titles and the volumes per title: Number of Titles: **2164**Number of Volumes: **9189****Title and Volumes per title**

Year	Number of New Titles added	Number of new editions added	Number of new volumes added
2017-18	28	195	235
2018-19	32	210	286

2019-20	31	198	257
2020-21	-	-	-

Scholarly Journal Subscription:
Scholarly Journal Subscription

Year	No. of Technical magazines/ Periodicals	No. of Technical Journals subscribed		Scholarly Journal Titles (In original/ reprints
		In hard copy	In soft copy	
2017-2018	12	18	--	18
2018-2019	12	18	--	18
2019-2020	12	18	--	18
2020-2021	15	18	--	18

Digital Library:

Availability of digital library content	Yes. E-Journals, Downloaded, Back volume of e-journals, Downloaded E-Books and other Study materials in e-forms.
Number of courses, number of e-books	No. of Courses: 05 E-Books: 10839
Availability of exclusive server	Yes
Availability over Intranet/Internet	Yes
Availability of exclusive space/room	Yes
Number of users per day	70
Availability of NPTEL Facility	Yes

9.4.2 Internet (10)

Institute Marks

10.00

Name of the Internet provider	TATA TELE BUSINESS SERVICES
Available band width	100 MBPS
WiFi availability	YES
Internet access in labs, classrooms, library and offices of all Departments	YES
Security arrangements	YES

9.5 Institutional Contribution to the Community Development (5)

Total Marks 5.00

Institute Marks

5.00

Institutional Contribution to the Community Development:

Faculty members and students are encouraged to participate in collaboration with other organizations in carrying out social outreach programs. Following are the major responsibilities that the institute performs for the development of the community in particular and the whole society in general.

1.Tree Plantation:

By considering the need of today's environment, institute conducts activity of tree plantation in campus as well surrounding places to make our students aware about the environment.



2.Blood Donation:

SREIR organizes blood donation camps in college level, also participate in Organized by Rotary Club from different Area.



3.Project Development Challenge:

Institute organizes different Skill project Development Challenge, Which More beneficial not only in Industrial Sector as well fulfill need in Public Area also. The Main objective of this competition is to involve students, researchers and faculty members from Engineering Institutes' as well student/ Expertise from different allied Technical institute or industrial area.



4.Career Fair:

Career Fair is a unique programme sponsored by Maharashtra State Board of Technical Education, Mumbai, with the joint venture of Directorate of Technical Education, Mumbai, which is organized by SAMARTH POLYTECHNIC, BELHE. It is a novel program to spread awareness among the society and students particularly about the technical education. Technical education plays pivotal role in the building of any nation.



5.Presentations at Schools about the Importance of Technical Education:

10th and 12th standards are very important stages in the educational hierarchy as these stages prepare the students for higher education and also for the world of work. It is absolutely essential to strengthen these stages by providing greater access and also by improving quality in a significant way. Young people need assistance in order to explore career possibilities and make important career decisions. The world of work is more complex today than ever. They need far more guidance and information than past generations, primarily because the high-tech, global market economy is growing and changing so rapidly.



6. Swachha Bharat Abhiyan:

We support the national 'Swachha Bharat Abhiyan' campaign with active participation in the society. We also bring awareness about cleanliness among the People of around the campus .





7.Assistance to Students:

In order to assist the students, different sessions on career guidance, personality development etc. are conducted. These sessions make them aware about their role and responsibilities as future engineers. Students are guided during proctor sessions every day. The respective proctor teachers deal with individual students and counsel them about their problems. The students with difficulties in study as well as behavior are counseled by external counselors too.



8.Amathi Bhakar Vatap At Ane

Amathi bhakar vatap at ane during the saint rangaswami maharaj festival. Students of Samarth Polytechnic distributed amathi bhakar to devotee visited during saint rangaswami maharaj festival at ane



9.Anaemia Thalassaemia Detection Camp

Samarth Polytechnic Belhe & Morya Anaemia Thalassaemia Detection Centre Narayangaon With Parents Association Thalassemia Unit Trust Mumbai organized anaemia thalassaemia detection camp at Samath Polytechnic Belhe on 29th august 2019 .



9.6 Alumni Performance and Connect (10)

Total Marks 10.00

Institute Marks

10.00

Alumni Performance and Connect

Alumni Association

Samarth Alumni Association, a registered association under the Maharashtra Societies Registration Rules, 1860 rule 21, with registration number Maharashtra / 2009/ 2016/ Pune, commenced on 21st day of November 2016.

The main objective of the association is to promote the cause of education, to maintain and develop network among the past and present students, to encourage the activities of Samarth Alumni Association and to add values to the SREIR group of institutions. The Annual General body Meeting of the association conducted during the month of February. We have received a good response from each alumnus who had attended the alumni interaction session. The school of technical education, used to conduct alumni meets with name 'Samarth Alumni'.

The distinguished alumnus are invited, and they share their experience to our budding entrepreneurs of SREIR. With the help of departmental association of Samarth polytechnic belhe, the Samarth alumni association has fastened the Blood donation Camp every year and tree plantation. The association also encourages the first three ranks in each department by awarding them with Gold, Silver and Bronze medal respectively.

Involvement of Alumni

Alumni cell serve as a platform for interaction between its students, past and present. The interaction guide the students on essential skills required in achieving the excellence. Further, Alumni Student Association is registered with trust registration no. Maharashtra/ 2009/ 2016/ Pune, dated 21/11/2016 and arranged meets as below.



5) MEMBERS OF THE FIRST MANAGING COMMITTEE The following persons shall be the members of the first Managing Committee of the Association and their names, age, occupation, designation and nationality are as under:-					
No.	Name & Address	Age	Occupation	Designation	Nationality
01	SHUBHAM DNYANESWAR SHELKE Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	President	Indian
02	IVYOTI HIRAMAN SADAVALE Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Secretary	Indian
03	IVYOTI HIRAMAN SADAVALE Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Treasurer	Indian
04	SHUBHAM DNYANESWAR SHELKE Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian
05	SHUBHAM DNYANESWAR SHELKE Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian
06	NAMRATA VASWANT KALEKAR Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian
07	NAMRATA VASWANT KALEKAR Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian
08	MADHESH MADHAVI NIYAV Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian
09	MADHESH MADHAVI NIYAV Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian
10	SHUBHAM DNYANESWAR SHELKE Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian
11	SHUBHAM DNYANESWAR SHELKE Samarth Polytechnic, Belhe, Dist. Pune 412 410 A/P. Belhe, Tal. Junnar, Dist. Pune 412 410	22 yrs	Student	Member	Indian

We hereby declare that with Association as incorporated in the Societies Registration Act, 1860, we have gathered on 07/10/2016 and formed the 'SOMARTHY POLYTECHNIC ALUMNI ASSOCIATION-BELHE' that with a view to go to the said Society and have signed below against our names at Pune as per the provisions of the Societies Registration Act, 1860.

(President) (Shubham Shelke)
(Secretary) (Ivyoti Sadavale)
(Treasurer) (Namrata Kalekar)

(6)

Sr. No.	NAME	SIGNATURE
1	SHUBHAM DNYANESHWAR SHELKE	
2	SONALI BALASAHEB SATPUTE	
3	IVOTTI HIRAMAN SADAFULE	
4	SANDIP BHUSAHEB DALAVI	
5	PRIVANCA DILAS PRAPALE	
6	NAMBIATA YASHWANT KALEKAR	
7	KOMAL KURESHI HADAWALE	
8	SAYYAM RAMESH HODJIBAL	
9	MAHESH MAMADEV NIWARE	
10	HARSHWARDHAN ARJUN AUNTI	
11	MANOJ HALL NIMSE	

I identify all the above signatures and that they have signed the Memorandum of Association in my presence.

PLACE: PUNE
DATE: 07/10/2016

CERTIFICATE

375, Ghat Land, Sector 1
U.S.I. - U.D.B. D.C.L.
M.A. 23/2014/2012
Ghat Land, Sector 1
Pune - 411028

Certified that there is no other Society named **SAMARTH POLYTECHNIC ALUMNI ASSOCIATION-BEHE** and also not registered under the Societies Registration Act, 1860 to the best of our knowledge and belief.

PLACE: PUNE
DATE: 07/10/2016

 (Shubham Shelke)
 (Sonali Satpute)
 (Ivotti Sadafule)
 (Sandip Dalavi)
 (Privanca Prapale)
 (Nambidata Kalekar)
 (Komal Hadawale)
 (Sayyam Hodjibal)
 (Mahesh Niware)
 (Harshwardhan Aunty)
 (Manoj Nimse)

Alumni Meet

Sr. No.	Year (Descending Order)	Name of Alumni Association/ Chapters / Batch	Passed Out Batch	Date of Meeting	Proof of Evidence		Remarks
					Invitation	Photo /Other	
1	2021	Samarth alumni	All Passed out Students of Samarth Polytechnic	15/02/2021	Available	Available	Students from different batches attended the program
2	2020	Samarth alumni	All Passed out Students of Samarth Polytechnic	22/02/2020	Available	Available	Students from different batches attended the program
3	2019	Samarth alumni	All Passed out Students of Samarth Polytechnic	02/02/2019	Available	Available	Students from different batches attended the program

Visit to Institution and Interaction with Students

Sr.No	Year (Descending Order)	Name of Alumni	Passed Out Batch	Alumni Engagement Details	Remarks
1	2021	Gunjal Tejas Vasant	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
2	2021	Kadam Navnath Sudam	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
3	2021	Dhamak Sagar Namdev	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni

4	2021	Pawar Pankaj Kundalik	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
5	2021	Futane Payal Tanaji	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
6	2021	Gunjal Mangesh Ankush	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
7	2021	Phapale Nikita Dattatraya	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
8	2021	Nichit Sarika Suresh	2019-20	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
9	2020	Ighe Aniket Raju	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
10	2020	Bhor Ganesh Navnath	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
11	2020	Lamkhade Genbhau Balu	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
12	2020	Awari Sonali Vilas	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
13	2020	Shinde Mangal Kailash	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
14	2020	Adawale Sanjana B.	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
15	2020	Gawande Siddhi Dilip	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
16	2020	Gaikwad Kajal Sanjay	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
17	2020	Haudhari Nikita Suresh	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
18	2020	Raykar Komal Sanjay	2018-19	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
19	2019	Gaikwad Pavan Jalindar	2017-18	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
20	2019	Gajare Kiran Subhash	2017-18	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
21	2019	Jadhav Siddharth Sunil	2017-18	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni

22	2019	Mehta Aishwarya	2017-18	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
23	2019	Salake Namdev Pandurang	2017-18	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
24	2019	Jori Shital Tanaji	2017-18	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni
25	2019	Khadake Sonal Sikandar	2017-18	Alumni Speaks - Shared his experience with diploma students	Students were benefitted with the information provided by the alumni

Project Guidance

- 1.Prasad Dumbare,2016-17, helped the students in the getting project in indoor air quality flammable gas
2. Mr. Shelke Amit Eknath, 2017-18, helped the students in the getting project in sand separator machine
3. Mr. Narawade Sanket Suresh, 2017-18, helped the students in the getting project in air electric bicycle
4. Miss. Mehta Aishwarya, 2017-18, helped the students in the getting project in Samarth Institute of Pharmacy Website
5. Miss. Aher Anushka Dipak, 2018-19, helped the students in the getting project in Indian Tourism App using Android
6. Miss. Bhandari Ashwini Babaji, 2018-19, helped the students in the getting project in Matrimony web Application
7. Mr. Gadge Rahul Bhai , 2018-19, helped the students in the getting project in four way hacksaw machine
8. Mr. Thorat Samir Bandhuraj , 2018-19, helped the students in the getting project in chainless cycle
9. Miss. Shinde Yogita Ashok , 2018-19
11. Miss. Araj Rutuja Arun , 2018-19, helped the students in the getting project in Food Order System using Android App
12. Mr.Ubale Tejas, 2019-20, wireless temperature detection for covid safety
13. Mr. Kadam Navnath Sudam , 2019-20, helped the students in the getting project in Vedic Curd Curing machine
14. Mr. Pawar Pankaj Kundalik , 2019-20, helped the students in the getting project in kids learning application
- 15..Mr.Kute Shivaji Kashinath .2019-20, helped the students in the getting project in Removal of dairy waste characteristics by using natural coagulant
- 16.Miss. Pharate Kanchan Gajanan, 2019-20, helped the students in the getting project in Experimental study of partial replacement of fine aggregate and cement with copper slug and fly ash

Assistance in Entrepreneurship

Sr. No	Year (Descending order)	Name of alumni	Passed out batch	Provided help in	Remarks
1	2021	Bangar Sonika Mukesh	2018-19	Entrepreneurship	Students were benefitted with the information provided by the alumni
2	2021	Bharadi Shraddha Sharad	2016-17	Entrepreneurship	Students were benefitted with the information provided by the alumni
3	2020	Hande Payal Sanjay	2016-17	Entrepreneurship	Students were benefitted with the information provided by the alumni
4	2020	Date Ketan Shivaji	2016-17	Entrepreneurship	Students were benefitted with the information provided by the alumni
5	2020	Taravi Bhushan Pradeep	2017-18	Entrepreneurship	Students were benefitted with the information provided by the alumni
7	2019	Shelake Shubham Dnyaneshwar	2017-18	Entrepreneurship	Students were benefitted with the information provided by the alumni
8	2019	Shinde Mahesh Ankush	2017-18	Entrepreneurship	Students were benefitted with the information provided by the alumni

9	2019	Chate Hanumant Dattatray	2017-18	Entrepreneurship	Students were benefitted with the information provided by the alumni
10	2019	Shinde Dipak Babaji	2017-18	Entrepreneurship	Students were benefitted with the information provided by the alumni
11	2019	Chaudhary Pradip Pandurang	2017-18	Entrepreneurship	Students were benefitted with the information provided by the alumni
12	2018	Pawade Nutan Rajendra	2015-16	Entrepreneurship	Students were benefitted with the information provided by the alumni
13	2018	Rahane Tushar Suhas	2015-16	Entrepreneurship	Students were benefitted with the information provided by the alumni
14	2018	Manchare Yogesh Prabhakar	2015-16	Entrepreneurship	Students were benefitted with the information provided by the alumni

Assistance in Placement

The following students helped the students in getting placement assistance

1. Auti Pranay Rabhaji , Entrepreneur,Siddhivinayak Construction
2. Sawant Rushikesh Lahnu , Jr.Infra Executive ,Textronics Design System Pvt Ltd at Mumbai
3. Nalawade Sanchit Satish , Desktop Engineer, Progressive Infovision at Mumbai ,Parel
4. Taware Sandip Baliram, a PHP Develop ,Fyn Tune Solutions Pvt Ltd at Navi Mumbai
5. Hande Vikram Ashok, MST, Dusters Total Solutions Services Pvt Ltd at Kharadi ,Pune
- 6.Anant Pratiksha Maruti, S/W Developer,Connect Solition at Airoli

Resources Raised

Alumni contributed the following to the department

1. Canon LBP 2900B set 3, English printed books – Rs 30000.
2. Tech max edition book package set 20, English printed books – Rs. 15,590
3. P.A. system-Rs.10720
4. Home Theater-5524.

Methodology to connect with Alumni and its implementation Database

Sr. No.	Name of student	Company /College	Designation
1	Hande Vikram Ashok	Dusters Total Solutions Services Pvt Ltd at Kharadi ,Pune as a MST	MST
2	Anant Pratiksha Maruti	Connect Solition at Airoli as a Software Developoer	S/W Developer
3	Kharmale Nishant Shriram	BSA Corporation Limittd , Morwadi, Faurecia Pvt Ltd,Chakan,work in Assembly Production Line	Trainee
4	Kakade Gitanjali Laxman	VARROC Engineering Ltd in Production Dept at Chakan,Mhalunge	NEEM Trainee
5	Araj Rutuja Arun	MIS Executive-Indian Talent Olympiad Vikroli,West Mumbai	MIS Executive
6	Mhaske Mangesh Savkar	Serinity Traders Pvt Ltd at Mumbai	Customer Support Engineer
7	Awari Sonal Vilas	Kohinoor at Swargate as a N/W Engineer	N/W Engineer
8	Gawande Siddhi Dilip	Suma Soft Pvt Ltd at Akole as a Trainee	Trainee
9	Nalawade Sanchit Satish	Progressive Infovision at Mumbai ,Parel as a Desktop Engineer	Desktop Engineer

10	Shinde Mangal Kailash	Conneqt Business Solution Company at Airoli ,Mumbai as a Customer Service Associate	Customer Service Associate
11	Shinde Yogita Ashok	CMS IT Services(Trainee Enginner) at mumbai	Trainee Engineer
12	Tawhare Sandip Baliram	Fyn Tune Solutions Pvt Ltd at Navi Mumbai as a PHP Developer	PHP Developer
13	Sawant Rushikesh Lahanu	"Textronics Design System Pvt Ltd at Mumbai as a Jr.Infra Executive"	Jr.Infra Executive
14	Hadawale Sanjana B	"Textronics Design System Pvt Ltd at Mumbai as a Jr.Infra Executive"	Jr.Infra Executive
15	Galande Akash Chandrakant	JSPM college of Engg.	Higher education
16	Kurkute Sushant Dilip	Jai Hind College Of Engineering	Higher education
17	Gaikwad Pavan Jalindar	Forbes marshal	Trainee
18	Lande Akash Suresh	GE India	Trainee
19	Popalghat Vijay Ashok	GE India	Trainee
20	Raut Vinayak Pravin	John Dere	Trainee
21	Dahale Vikrant Sharadchandra	Erlin Clinger	Trainee
22	Dhotre Ajinkya Sunil	Family Buiseness	Trainee
23	Gajare Kiran Subhash	Epitome Components Pvt. Ltd.	Trainee
24	Jadhav Siddharth Sunil	JSPM College of Engg.	Higher Education
25	Jadhekar Gaurav Goraksha	Engineering College	Higher Education
26	Jagadale Rohit Ganesh	Engineering College	Higher Education
27	Bangar Pradip Pandurang	Jai Hind College of Engineering	Higher Education
28	Hande Someshwar Gorakshanath	Jai Hind College Of Engineering	Higher Education
29	Nimase Akshay Namdev	Lahs Green Pvt. Ltd.	Trainee
30	Nalawade Saurabh Vasant	TRIGO	Trainee
31	Mane Somnath Mahadu	Tata Motors ltd.	Trainee
32	Divekar Abhishek Balasaheb	John Dere	Higher Education
33	Gaikwad Aniket Anil	Dy Patil ,Ambi	Higher Education
34	Pabale Suraj Sunil	SGOICOE	Higher Education
35	Kut Bhavesh Sandip	SGOICOE	Higher Education
36	Pokharkar Hari Dattatray	L & T Defence	Trainee
37	Ighe Aniket Raju	Midea India Pvt. Ltd.,Supe	Trainee
38	Gunjal Vaibhav Pandurang	L & T Defence	Trainee
39	Hadawale Dipak Rajendra	SGOICOE	Higher Education
40	Gangad Akshay Namdev	SGOICOE	Higher Education
41	Bhor Dhanesh Kailas	SGOICOE	Higher Education
42	Kandhare Omkar Maruti	Bajaj Auto Pvt. Ltd	Trainee
43	Pansare Akash Ramdas	Indira College of Enginering Management.	Higher Education
44	Padwal Prashant Namdev	SGOICOE	Higher Education
45	Vadavale Sandesh Nagesh	Trainee Search	Trainee
46	Thorat Samir Bandhuraj	Technocraft	Trainee
47	Bhor Ganesh Navnath	John Dere	Trainee
48	Bhor Rupesh Balasaheb	John Dere	Trainee
49	Bhor Siddhesh Annasaheb	G S Moze College of Enginerring	Higher Education
50	Gadge Rahul Bhau	L& T Defence	Trainee
51	Kaduskar Sumit Chimaji	John Dere	Trainee

52	Kale Ganesh Ankush	Kehin Fie	Trainee
53	Kharmale Sanket Vijay	John Dere	Trainee
54	Khemnar Tushar Kaushiram	Trainee Serach	Trainee
55	Lamkhade Genbhau Balu	SGOICOE	Higher Education
56	Mhatre Raj Bhagwan	John Dere	Trainee
57	Pathare Samadhan Bhanudas	Contract Trainee Army	Trainee
58	Pawar Tushar Balasaheb	Tata Motors	Trainee
59	Aher Prasanna Sakharam	Sigma Electricals ,Chakan	Trainee
60	Date Paramanand Kailas	JSPM Wagholi	Higher Education
61	Futane Suraj Maruti	SGOICOE	Higher Education
62	Futane Vijay Balasaheb	Ame Course,Pune	Higher Education
63	Gunjal Tejas Vasant	Coimbtur Marine Engg.	Higher Education
64	Kadam Shubham Balasaheb	AME Course,Aurngabad	Higher Education
65	Naikwadi Rohan Sunil	Sinhad College of Engg.	Higher Education
66	Sumbare Digmbar Dattatraya	Arcelor Mittal Nippon Steel	Trainee
67	Vishve Akash Ramdas	MITCOE	Higher Education
68	Bhalerao Saurabh Vilas	Police Academy	Trainee
69	Auti Mayur Bhimaji	SGOICOE	Higher Education
70	Tangadkar Siddhant Balasaheb	Gestamp, Mahalunge	Trainee
71	Rohakale Sanket Rajaram	Doing Atucad Course	Trainee
72	Jore Tushar Suresh	Motherson Chakan	Trainee
73	Kadam Navnath Sudam	Skf Bearings	Trainee
74	Gondhali Mahesh Kishor	John Dere	Trainee
75	Dongare Sagar Bhausaheb	Bosch Chasis	Trainee
76	Langhe Mininath Balu	Kinetic Electricals , Vadgaon Maval	Trainee
77	Fulsundar Dhananjay Ramchandra	Vega Controls, Kandali	Trainee
78	Vishwakarma Rahul Nirmal	Family Buisness	Business
79	Fulsundar Shubham Khandu	Jai Hind CoE	Higher education
80	Dhamak Sagar Namdev	Cummins India	Trainee
81	Sonawane Amol Balu	MITCOE	Higher education
82	Waman Mayuresh Chandrakant	John Dere Waiting	Trainee
83	Bothe Machindranath Babasaheb	MITCOE	Higher education
84	Thorat Vishal Vilas	Bosch Chasis	Trainee
85	Todkar Atul Sanjay	Bosch Chasis	Trainee
86	Abhale Vishal D	Luft Power Engineering,	Trainee
87	Shitole Atul Ganesh	Working in Family Buisness	Business
88	Borhade Ganesh Sunil	SGOICOE	Higher education
89	Bhagade Vaishnav Shamarao	Abhishek Enterprises	Trainee
90	Auti Gaurav Anil	Rajiv Gandhi College of Engg. Karjule	Higher education
91	Deshmukh Kundan Kailas	business, running family fertiliser shop	Business
92	Salake Namdev Pandurang	Amphenol	Engineer
93	Khadake Sonal Sikandar	Spark Minda	Engineer
94	Jori Shital Tanaji	Sedmac Mechatronics Pvt Ltd	Engineer
95	Aher Anushka Dipak	Thermotech Engg. & Services Pvt Ltd	Engineer
96	Salve Reshma Pandurang	Shubham Enterprises	Engineer
97	Bangar Sarika Maruti	CWF	Engineer

98	Bhandari Ashwini Babaji	Yashaswi	Engineer
99	Chaudhari Nikita Suresh	TATA motors Ltd	Engineer
100	Hande Chaitali Bhaskar	Sedamac Mechatronics Pvt Ltd	Engineer
101	Jagtap Dhananjay Subhash	John Deer Ind Pvt Ltd	Engineer
102	Pokharkar Snehal Sunil	Lucas TVS	Engineer
103	Raykar Komal Sanjay	Prompt Industrial Services Pvt Ltd	Engineer
104	Gaikwad Kajal Sanjay	Thermotech Engg. & Services Pvt Ltd	Engineer
105	Shelke Rahul Rajesh	Samarth College of Engineering Belhe	Higher Education
106	Mhaske Ajay Sanjay	Vesuvius Infra pvt ltd Saki naka	Engineer
107	Gade Vishal Laxman	Shriram Construction	Entreprenuer
108	Holi Dhananjay Dattatray	HOLE CONSTRUCTION	Entreprenuer
109	Dumbre Rohan Avinash	Indira college of engg and management Pune	Higher Education
110	Ghangale Akash Ganesh	SGOICOE	Higher Education
111	Modhave Nikhil Anil	Sharanpuri Construction Khadakwadi	Entreprenuer
112	Sakhala Sahil Girish	Samarth Group of Institution Bangarwadi	Higher Education
113	Gunjal Mayur Dashrath	Samarth Group of Institution Bangarwadi	Higher Education
114	Mergal Akash Shivaji	Samarth Group of Institution Bangarwadi	Higher Education
115	Auti Akshay Namdev	Jitendra Singh infra structure pvt ltd	Engineer
116	Dhobale Akash Ashok	Jayhind College of Engineering Kuran	Higher Education
117	Gunjal Pallavi Keshav	THE KILLA Structural repairs and coatings	Engineer
118	Gunjal Tushar Dattatraya	Samarth Group of Institution Bangarwadi	Higher Education
119	Hadawale Arati Ashok	Indira college of engg and management Pune	Higher Education
120	Hule Sayali Anil	Jayhind College of Engineering Kuran	Higher Education
121	Kute Saurabh Gopinath	Sadguru Enterprises manufacturer and trader	Entreprenuer
122	Shinde Babu Shankar	THE KILLA Structural repairs and coatings	Engineer
123	Yewale Ajit Balu	Samarth Group of Institution Bangarwadi	Higher Education
124	Auti Pranay Rabhaji	Siddhivinayak Construction	Entreprenuer
125	Sonawane Kaustubh Baban	Malganga Construction Nighoj	Engineer

Frequency of Meets

Every year Alumni meet is conducted. Monthly once Alumni speaks is conducted

Newsletter

Institute Newsletter is shared with the alumni are connected with the institution through various social media sites like Facebook, Whatsapp etc. In Facebook Samarth alumni page, Alumni pages separately for Samarth polytechnic General and other groups are there. More than 2000 alumni were connected through these social media sites.

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	DIPLOMA ENGINEERS ABLE TO APPLY BASIC AND DISCIPLINE KNOWLEDGE TO THE CONVENTIONAL MACHINERY AND EQUIPMENT.
PSO2	DIPLOMA ENGINEERS ABLE TO IDENTIFY , ANALYZE AND SOLVE VARIOUS PROBLEMS USING ADVANCED TOOLS AND RELEVANT SOFT WARE'S , WHERE REQUIRED
PSO3	DIPLOMA ENGINEERS ABLE TO EXHIBIT SOFT SKILLS LIKE LEADERSHIP ,POSITIVE ATTITUDE ,PROFESSIONALISM IN ACTUAL WORKING ENVIRONMENT.

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 shall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute

Name : Kapile Anil Sahebrao

Designation : Principal

Signature :


PRINCIPAL
(Mr.Kapile Anil S.)
Samarth Polytechnic,Belhe

Seal of The Institution :



Place : Belhe

Date : 30-10-2021 13:55:41

Mechanical Engg.

Part A :

1 Name and Address of the Institution:

SAMARTH POLYTECHNIC
A/P: Bangarwadi (Belhe), near kalyan-nagar highway

2 Name and Address of the Directorate of Technical Education:

Directorate Of Technical Education

Mahapalika Marg, St Xavier School, Churchgate, Mumbai, Maharashtra 400001

3 Year of Establishment:

2008

4 Type of the Institution:

- | | |
|---|---|
| <input type="radio"/> University | <input type="radio"/> Autonomous |
| <input type="radio"/> Deemed University | <input type="radio"/> Any Other(Please Specify) |
| <input checked="" type="radio"/> Affiliated | |
-

5 Ownership Status:

- | | |
|--|--|
| <input type="checkbox"/> Central Government | <input checked="" type="checkbox"/> Trust |
| <input type="checkbox"/> State Government | <input type="checkbox"/> Society |
| <input type="checkbox"/> Government Aided | <input type="checkbox"/> Section 25 Company |
| <input checked="" type="checkbox"/> Self financing | <input type="checkbox"/> Any Other(Please Specify) |
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6 Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of Institutions	Year of Establishment	Programs of Study	Location
Samarth ITI	2009	Industrial Training Institute	Belhe
Samarth Group Of Institutions Engineering & Faculty Of Management	2010	Engineering and Technology,Master In Business Adr	Belhe
Samarth BCS College	2012	Bachelor Of Computer Science	Belhe
Samarth Junior College	2013	Higher Secondary Education	Belhe
Samarth Gurukul	2013	Primary and Secondary Education	Belhe
Samarth Institute Of Pharmacy	2017	Pharmacy	Belhe
Samarth College Of Pharmacy	2019	Pharmacy	Belhe

7 Details of all the programs being offered by the institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
Diploma in Mechanical Engineering	Diploma	2008	2008	60	Yes	60	Applying first time	--	--	Yes	0

Sanctioned Intake for Last Five Years for the Diploma in Mechanical Engineering

Academic Year	Sanctioned Intake
2020-21	60
2019-20	60
2018-19	60
2017-18	120
2016-17	120
2015-16	120

7a Accreditation History

Sr.No	Name of the Department	Name of the Program	Year of 1st Accreditation(if Applicable)	Year of 2nd Accreditation(if Applicable)	Year of 3rd Accreditation(if Applicable)
1					

7b Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Diploma	Engineering & Technology	Computer Engg.
2	Diploma	Engineering & Technology	Electronics & Telecommunication Engg.
3	Diploma	Engineering & Technology	Mechanical Engg.

8 Total number of Employees:

A. Regular* Employees (Faculty and Staff):

Engineering and Technology- Diploma	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
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Engineering and Technology- Diploma Shift-1

Items	2020-21		2019-20		2018-19	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering & Technology (Male)	23	23	24	24	25	25
Faculty in Engineering & Technology (Female)	9	9	8	8	10	10
Faculty in Science & Humanities (Male)	4	4	4	4	1	1
Faculty in Science & Humanities (FeMale)	0	0	0	0	3	3
Non-teaching staff (Male)	28	28	28	28	28	28
Non-teaching staff (FeMale)	4	4	4	4	4	4

B. Contractual Staff (Not Covered in 9.A):

Engineering and Technology- Diploma	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
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9 Total number of Students:

Engineering and Technology- Diploma	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
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Engineering and Technology- Diploma Shift-1

Course Name	2020-21	2019-20	2018-19
Total no. of Boys	400	292	299
Total no. of Girls	194	163	182
Total	594	455	481

10 Contact Information of the Head of the Institution and NBA Coordinator:

Head of the Institution	
Name	Kapile Anil Sahebrao
Designation	Principal
Mobile No.	9970899847
Email ID	0992principal@msbte.com

NBA Coordinator, If Designated

Name	Fulpagare Shyamkumar Vishnurao
Designation	Lecturer
Mobile No.	8999566425
Email ID	E-Mail

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