YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	THEEM COLLEGE OF ENGINEERING
• Name of the Head of the institution	Dr Aqueel Ahmad Shah
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	07769916109
• Mobile No:	7770043830
• State/UT	Maharashtra
• Pin Code	401501
2.Institutional status	
• Type of Institution	Co-education
• Location	Semi-Urban
• Financial Status	Self-financing
• Name of the Affiliating University	University of Mumbai

• Name of the IQAC Coordinator	**Prof M A Gulbarga**
• Phone No.	**7744812677**
• Alternate phone No.	**9987835598**
• IQAC e-mail address	**naaccord@theemcoe.org**
• Alternate e-mail address	**shah.aqueel@theemcoe.org**
3.Website address (Web link of the AQAR (Previous Academic Year)	**http://theemcoe.org/attachments/AQAR_19-20/AQAR_Report.pdf**
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	**http://theemcoe.org/attachments/AQAR_20-21/Academic_cal.pdf**

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**2.61**	**2019**	**28/03/2019**	**27/03/2024**

6.Date of Establishment of IQAC	**02/08/2017**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Theem College of Engineering	**School Connect Program**	**MSBTE,Maharastra**	**2020-2021**	**50000**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	**View File**
9.No. of IQAC meetings held during the year	**04**
• Were the minutes of IQAC	**Yes**

meeting(s) and compliance to the decisions have been uploaded on the institutional website?	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	**View File**
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

11.Significant contributions made by IQAC during the current year (maximum five bullets)

1. Academic monitoring and audit through IAMC 2.Successful conduction of HWWE(2020) held on 11th to 12 December,2020 3. Quality improvements through FDPs 4. Inter class talent show competitions.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
To organize international conference on Humanizing Work and Work Environment (HWWE 2020) scheduled on 10th to 12th Dec 2020.	Received national and international papers, 60 papers are accepted for publication, 44 Springer publication are in process.
Expansion proposal of newly inducted program AIML in lieu of partial quota of Mechanical and Automobile.	Increment of AIML program sanctioned.
MOU with BARC for technology transfer and product development to strengthen the EDP and Startup cell	Under progress
Improvement in facilities of Entrepreneurship Cell activities to incubation supports.	Achievement under progress.
National level Faculty Development Program on Data Science to be conducted.	No. of beneficiaries : 430
To conduct Student Development Program on Data Science	Students benefited: 190

13.Whether the AQAR was	Yes

placed before statutory body?

- Name of the statutory body

Name	Date of meeting(s)
CDC	20/10/2021

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021	08/02/2021

15.Multidisciplinary / interdisciplinary

16.Academic bank of credits (ABC):

17.Skill development:

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

20.Distance education/online education:

Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	208

File Description	Documents
Data Template	[View File](#)

2.Student	
2.1 Number of students during the year	1351

File Description	Documents
Data Template	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	21

File Description	Documents
Data Template	[View File](#)

2.3 Number of outgoing/ final year students during the year	516

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1 Number of full time teachers during the year	96

File Description	Documents
Data Template	[View File](#)

3.2 Number of Sanctioned posts during the year	96

File Description	Documents
Data Template	[View File](#)

4.Institution

4.1 Total number of Classrooms and Seminar halls	40
4.2 Total expenditure excluding salary during the year (INR in lakhs)	289.32
4.3 Total number of computers on campus for academic purposes	645

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Theem College of Engineering is affiliated to University of Mumbai and follows the university's prescribed syllabus effectively with the terms of measurements such as Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs). The institute's teaching-learning process like lectures, practicals and tutorials are effectively planned according to academic

calendar, time table and semester plan and if any shortcomings found the necessary remedial sessions use to be taken place with the coordination of staff and students. The faculty monitors the learning capability of students with continuous evaluation pattern and includes some add-on courses based on the recent trends in technology when it is required. The institute conducts curriculum enrichment programs, like Industry Institute Interaction Program, Seminars, and Intellectual Property Rights (IPR) Session for students and guides them for learning industry required skills. Development/Planning: 1) As a part of deployment strategy for effective teaching-learning process, HODs submit semester plan to Principal well in advance as follows: 1.The upcoming semester's subject allocation and load distribution in Curriculum Implementation and Assessment Report (CIAR). 2.The dates of academic activities and important events in academic calendar. 2) Institute academic calendar is referred for preparing departmental time-table before the commencement of the semester. 3) Each faculty maintains CIAR, subject file and Mentor-Mentee file with planning and completion of lectures, practical's, remedial classes and load adjustment (if any). 5) Due to Covid19 pandemic, faculty plans the delivery of academic lecture supported to learner centric techniques such as Google meet app, Google Classroom, ICT, NPTEL Lectures, Case- studies, Brainstorming, Assignments, and other teaching aids. 6) Faculty prepares modules, question banks, hand-outs, test papers, quiz and experiment write- up for effective teaching-learning process.

Deployment/Implementation:

1) Lectures and practical are executed as per the semester plan and time-table and evaluated by Internal Quality Assessment Committee (IQAC) with the help of HOD and concerned senior subject teacher. 2) The academic loss in the subject due to leave of the faculty members is compensated through extra lectures and the record of it is maintained. 3) The faculty members try to achieve PEOs, POs and COs of respective programs. 5) Student involvement, interaction, group activities, class work, self-learning realization make lectures effectively. 6)The institute supports the faculty for knowledge upgrading by attending STTP/FDP/Webinar/Workshop etc. 7) The institute improves teaching-learning process through stakeholder's feedback and encourages students to take part in competitive projects. 8) The institute signs MOUs with various industries for the benefit of students.

File Description	Documents
Upload relevant supporting document	**View File**
Link for Additional information	http://theemcoe.org/attachments/NAAC/2020-21/c1/1.1.1_Effective_Curriculum.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution adheres to the Academic Calendar for the Conduct

of CIE:

At the beginning of the academic session, the Covid-19 pandemic was on which made our teachers, parents and students have to remain at homes. This year's flexible and suggestive Academic Calendar, which is prepared by the Principal with HOD's consultation, includes not only generic guidelines and subject specific activities, but also detailed material on the use of different technological and social media platforms such as WhatsApp, Google Meet, etc., to reduce stress and anxiety during the pandemic.

The head of the institution can only incorporate minor changes in academic calendar which he may deem fit considering the unforeseen circumstances so it is our responsibility to make learning at home through interesting activities with multiple alternative ways through which we not only keep them up busy but also maintain continuity of their learning. In this Academic Calendar, the themes and topics have been selected from the syllabus, and guidelines have been developed for conducting interesting activities based on these learning outcomes and students were apprised of the academic calendar and the same is uploaded on college website and shared through WhatsApp group at strategic time.

In view of the academic activities, teachers, through a range of diverse technological tools, can contact parents and students to give them the appropriate guidelines given in the calendar. The course teachers announce the syllabus and assignments as per the academic calendar. Assignments are submitted by students as per the submission dates given by the respective teacher for their subjects. The slots of the UT- I, UT-II, Assignment-I, Assignment-II etc are mentioned in the academic calendar. The schedule of all examinations is given in the academic calendar and it is timely announced and displayed in advance by the respective department in accordance with the Academic Calendar shared before the commencement of academic session.

File Description	Documents
Upload relevant supporting documents	**View File**
Link for Additional information	http://theemcoe.org/attachments/NAAC/2020-21/c1/1.1.2_Adheres-to-academic-calendar.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following	**B. Any 3 of the above**

academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	**View File**
Any additional information	**View File**

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

7

File Description	Documents
Any additional information	**View File**
Minutes of relevant Academic Council/ BOS meetings	**View File**
Institutional data in prescribed format (Data Template)	**View File**

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

16

File Description	Documents
Any additional information	**View File**
Brochure or any other document relating to Add on /Certificate programs	**View File**
List of Add on /Certificate programs (Data Template)	**View File**

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

485

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

165

File Description	Documents

Any additional information	
Details of the students enrolled in Subjects related to certificate/Add-on programs	

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institute integrates enrichment programmes relevant to Professional Ethics with Human Values, Gender and Environmental Sustainability with all round development within the academic field.

Professional Ethics and Human Values: Professional Ethics and Human Values are inculcated through the number of national festival activities such as Independence Day, Republic Day, Engineers Day, and Teacher's Day. There is a supporting subject on it such as EEC 506/ETS 506/ITC 506/EXS 506/MEL506/CEL506/AEL506/ – Business Communication and Ethics. In the teaching-learning process of this subject, the concerned faculty provides facilities such as Presentation on Interpersonal Skills, Project Report, Role Play and Case Studies on corporate world industries to every individual to develop their personal and group activities in practical sessions. Here, students gain the knowledge of Human Values and Professional Ethics and how to apply it in corporate industries. ILO8021 a project management course that helps students to understand the principle across all development phases of Project Life Cycles (PLC) - Requirement Analysis, designing a Prototype, Coding (Implementation of project), Testing and Review.

Gender: The institute recognizes the raising of women and their security, so It conducts several mandatory regularities through "Women Empowerment and Grievance Redressal Cell". In order to infuse confidence and awareness amongst women about fairer sex, the institute has conducted an enrichment activity to promote gender equity to both boys and girls through participating in various scientific, cultural and sport events. The institute also organizes and celebrates "International Women's Day" in which it conducts awareness programs such as "cyber-crime, cyber security, cyber bullying, cyber hygiene" and "Women's Hygiene and Rights" and it also provides Girls and Boys rooms with retiring facilities for their privacy activities.

Environmental Sustainability: It is essential for the well-being of a society. The institute keeps its best

practices under "Green Practice" in its premises. The "Rainwater Harvesting" project was

accomplished by final year students of Civil Engineering and it is functional in charging campus bore wells and even groundwater in

subsequent land. Solar and LED power projects are also taken up in the premises. The other sustainable activities like Solid Waste Management, Liquid Waste Management, E-waste Management, Plastic Free Campus, Dry Argo Waste Conversion for controlling Pollution and better environment, and ''Swachh Bharat Mission" in the premises as well as in nearby areas. It supports the curriculum course code ILO8029 – Environmental Management, course code: ILO 7017– Disaster Management and Mitigation Measures.

The institute practices the Mentor-Mentee System. Each faculty mentor has a batch of mentees. They identify the inept students for providing counsel to develop their learning skills with a suitable remedial approach. The HODs closely monitor the mentor's activities and results of the student's development and maintain the data.

File Description	Documents
Any additional information	**View File**
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	**View File**

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

28

File Description	Documents
Any additional information	**View File**
Programme / Curriculum/ Syllabus of the courses	**View File**
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	**View File**
MoU's with relevant organizations for these courses, if any	**No File Uploaded**
Number of courses that include experiential learning through project work/field work/internship (Data Template)	**View File**

1.3.3 - Number of students undertaking project work/field work/ internships

26

File Description	Documents
Any additional information	**View File**
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	**View File**

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above

File Description	Documents
URL for stakeholder feedback report	**View File**
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	**View File**
Any additional information(Upload)	**View File**

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	**View File**
URL for feedback report	**http://theemcoe.org/stud-res.php**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

480

File Description	Documents
Any additional information	**View File**
Institutional data in prescribed format	**View File**

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

21

File Description	Documents
Any additional information	**View File**
Number of seats filled against seats reserved (Data Template)	**View File**

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

To study students' learning levels as advance learners and slow learners, the institution has occupied a certain assessment methods by organizing some special programme.

1. At first, it presents the methods of assessing the learning levels over here:

- The newly admitted first-year engineering students were selected from their performance in qualifying examinations (JEE and MHCET) and further, they have been assessed by the institution's mid-term and end-term test performances
- To continue their second-year studies, they have been analyzed by their previous year university exam results, the mid-term and the end-term test performances
- Students' enthusiasm in participating co-curricular events had also been studied
- Students' sincerity in attending and constituting practical performances were evaluated on a continuous basis

1. Secondly, the institution organized special programmes to develop the advanced learners and slow learners:

- Before commencement of the first semester, it conducted additional lectures for weak students to bring them at par academically with the others
- For improving their academic performance and to avoid fail, some remedial lectures and practical sessions were conducted
- In Parents-Teacher Meet, students' academic performances were communicated to parents to seek their support in resolving the difficulties of the students
- The institute encourages advanced learners by undergoing internships in industry
- These students are exposed to various intra and intercollegiate technical competitions to sharpen their skills
- Advanced learners are given opportunity to prepare for value added training programs
- Advanced learners are encouraged to visit industries, discuss an industrial problem and work on its solution as part of their final year project
- Advanced learners are motivated to prepare for the entrance examination (GATE, GRE TOEFL, MAT etc.) to pursue their higher studies.
- Like every year, this year also prizes are awarded to class-toppers in the annual gathering ceremony

File Description	Documents
Link for additional Information	http://theemcoe.org/attachments/NAAC/2020-21/c2/2.2.1_SLOW-FAST-LEARNER.pdf

Upload any additional information	**View File**

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1351	96

File Description	Documents
Any additional information	**View File**

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The institute has teaching-learning aids such as ICT, SMART Classrooms and Audio-video lab. The ICT and online platforms for e-learning (Google classroom, OBS, Google meet, Zoom etc.) are been used in delivering the contents to enhance learning experiences, interest and engagement of the students. The institute conducts group discussion, subject quiz, seminars, presentations, alumni student interaction, guest lecture by industry experts, workshops, and industry institute interactive sessions in virtual mode and offline for better understanding the concepts and technologies. The Entrepreneur and Development Cell encourage innovative projects to inculcate startup. The outcome based analysis is used to improve the teaching-learning experience in the particular course.

Interactive and collaborative learning skills are developed among students through activities such as mock viva, group discussions, training for aptitude tests, quiz, etc. Online platforms for e-leaning (Google classroom) are used for uploading lesson plans, laboratory schedule, question bank, notes, assignments, tutorials and presentations which help students to discuss and interact with teachers to clear their problems. Wi-Fi facility is available for each department in the campus to access internet facility. The digital library, language laboratory and online IEEE, IETE, SAE journals, NPTEL video lectures, SWAYAM online courses help students to experience self-learning and advanced learning. The institute motivates students to be a part of social activities through NSS.

File Description	Documents
Upload any additional information	**View File**
Link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c2/2.3.1_students-centric-methods.pdf**

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The institute teachers use Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education during the pandemic. Online e-learning platforms such as Google Classroom, Microsoft Team, Zoom, Google Meet etc are used for conducting lectures, uploading lesson plans, laboratory schedule, question bank, notes, assignments, tutorials and PPT presentations to help students to do discussion and interaction with teachers to clear their problems.

Teachers have used "GOOGLE FORMS" to conduct internal and University online examination. Recording of video lectures through Open Broadcaster Software (OBS) for video recording and live streaming are made available to students for long-term learning and future references. Teachers use digital devices such as Desktop Computers, Laptop, Pen Tablet, Smart Phones, etc. to make virtual mode teaching just like the physical mode classroom environment.

File Description	Documents
Upload any additional information	**View File**
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	**http://theemcoe.org/attachments/NAAC/2020-21/c2/2.3.2_ict.pdf**

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

96

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	**View File**
Circulars pertaining to assigning mentors to mentees	**View File**
mentor/mentee ratio	**View File**

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

96

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	**View File**
Any additional information	**View File**

List of the faculty members authenticated by the Head of HEI	**View File**

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

5

File Description	Documents
Any additional information	**View File**
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	**View File**

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

570

File Description	Documents
Any additional information	**View File**
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	**View File**

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

By the guidance of Internal Quality Assessment Cell (IQAC) and Curriculum Development Committee (CDC), the rubrics are formulated to assess laboratory performance, assignments, tutorial, and project work to bring transparency in internal assessment. The performance of individual students is then recorded and signature is taken in Curriculum Implementation and Assessment Record (CIAR) for verification of their marks at the term end.

Each department appointed test coordinator for smooth conduction of internal test examinations as per the schedule of academic calendar. Marks obtained in tests are communicated within a week through the online e-learning platforms and notice boards. The student can see their answer sheet and discuss their queries with concerned subject teacher. If students find any grievance, he/she can resolve it while discussing to the respective teachers. Continuous internal assessment report is displayed on departmental

notice board at the end of each semester; the Principal and HOD verify the internal marks of all the students.

Project work is continuously monitored and assessed by project guide and project coordinator. The project activities of the students such as identification of problem domain, design methodology, project demonstration, presentation, and project report are graded and the record is maintained. Internal assessment mechanism helps the mentor to counsel the mentee. Mentor-Mentee record is maintained separately. Student progress and evaluation process are communicated to their parents in parent-teacher meet which helps to improve their grade in future. The institute communicated the schedule of internal assessment to students and faculty in the beginning of the semester through institute academic calendar on institute website as well as notice board.

File Description	Documents
Any additional information	**View File**
Link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c2/2.5.1_INTERNAL-ASSESSMENT.pdf**

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institute follows a transparent internal assessment and evaluation system. The assessment report of internal test examination is communicated to the students through online platforms and departmental notice board in every semester. Students are allowed to discuss with their queries to respective course teacher. For internal theory test, after the assessment of papers, answer sheets are shown to the students with the solutions by concerned assessor or course teacher. If students find any grievance, he/she can resolve it by communicating with the concerned course teacher and Head of the department.

File Description	Documents
Any additional information	**View File**
Link for additional information	**http://theemcoe.org/examcell.php**

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The institute has well-stated learning outcomes through Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) for each programme. Each programme has 12 POs, 2-3 PSOs and 4-6 COs and these are communicated to the faculties and students through –

1. **College Website (on departmental page)**

2. **Online learning platforms while delivering the course contents**

3. **Display boards at entrance and corridors of the respective departments**

4. **Lab-manuals**

5. **Student's Journals**

6. **Departmental files**

7. **Department laboratories**

8. **Classrooms**

9. **Curriculum Implementation and Assessment Report (CIAR)**

File Description	Documents
Upload any additional information	**View File**
Paste link for Additional information	**http://theemcoe.org/attachments/AQAR_20-21/Dept_CO-PO.pdf**
Upload COs for all courses (exemplars from Glossary)	**View File**

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The process of attainment of Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) starts from first year and continue up to final year of four year engineering programmes. There is prescribed course outcomes available and the same could possible to moderate by the faculty using action verbs of learning levels suggested by Bloom's Taxonomy – Cognitive Domain. The Course Outcomes are narrower statements that describe what students are expected to know and be able to do at the end of each course.

Mapping of COs to POs and PSOs is done in CO-PO matrix by examining curriculum and programme outcomes with three levels as follows: Slight or Low (level 1), Moderate or Medium (level 2), and substantial or High (level 3). Mapping levels decide contribution of the course to achieve programme outcomes. The expected target/mapping level of course outcome is set by course teachers at the beginning of the semester. The achievement of COs is correlated with the measure of appropriate POs/PSOs.

The assessment of course outcomes comprises the evaluation of student performance by individual faculty in his/her course as per

the guidelines of University of Mumbai. The POs and PSOs are assessed with the help of course outcomes of the relevant courses. The assessment tools and processes are used for the attainment of each course outcomes through direct and indirect methods.

1. Direct Method: The method of assessment of COs for direct method is provided through direct examination of student's knowledge or skills against measurable course outcomes. The performance of students in mid-term and end-term tests, assignments, tutorials, laboratories, quiz, projects, as well as oral/practical and semester theory examinations is used to compute the level of attainment. Each question in mid-term and end-term tests, assignments and quiz is tagged to the corresponding COs. Rubrics are formulated for assessment of laboratory performance, assignment, project activities and grades/marks are assigned.

    Average attainment in direct method = University examination (60%) + Internal assessment (40%)

1. Indirect Method: Students' feedback is collected through on-line/off-line survey form at the end of each course (Course Exit Survey) and Programme (Programme Exit Survey).

Overall Attainment = Direct (80%) + Indirect (20%)

Percentage of marks of overall students is computed to decide the attainment level. For example, Attainment Level 1 is for 40% of marks; Attainment Level 2 for 60% of marks; Attainment Level 3 for 80% of marks. This attainment level for particular course is set based on the University previous results of 3-4 years of that course. If PO/PSO attainment is addressed at level of 3 with particular CO in CO-PO matrix means attainment of PO/PSO is associated with that CO is 100%. Finally "Programme Level Course-PO Matrix" is prepared from the attainments of POs and PSOs through all the courses in four years. From the "Programme Level Course-PO Matrix" the attainment of each PO and PSO in particular academic year is computed.

File Description	Documents
Upload any additional information	**View File**
Paste link for Additional information	http://theemcoe.org/attachments/NAAC/2020-21/c2/2.6.2_OVER-ALL-ATTAINMENT.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

516

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	**View File**
Upload any additional information	**View File**
Paste link for the annual report	**https://examcelltheemcoe.wordpress.com/results-5/**

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

http://theemcoe.org/attachments/AQAR_20-21/SSS.PDF

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

.215

File Description	Documents
Any additional information	**View File**
e-copies of the grant award letters for sponsored research projects /endowments	**View File**
List of endowments / projects with details of grants(Data Template)	**View File**

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	**View File**

Any additional information	**View File**
Supporting document from Funding Agency	**No File Uploaded**
Paste link to funding agency website	**Nil**

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

4

File Description	Documents
Report of the event	**View File**
Any additional information	**View File**
List of workshops/seminars during last 5 years (Data Template)	**View File**

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

56

File Description	Documents
Any additional information	**View File**
List of research papers by title, author, department, name and year of publication (Data Template)	**View File**

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

5

File Description	Documents
Any additional information	**View File**
List books and chapters edited volumes/ books published (Data Template)	**View File**

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Every year institute organize extension programs to took care of

all the social activities contemporarily to sensitize the social issues like Women Empowerment, Tree Plantation, Blood Donation, Swachh Bharat Mission, etc.But due to Covid -19 pandemic situation the college was closed physically during year 2020-2021.

The institute arranges few programs in online mode like carrer counseling programs for 10th and 12th students for the students in Palghar districts to guide and motivate them about the various career options .

The institute carries out "Tree Plantation" on the occasion of Independence Day.

To create awareness about cyber security among womens faculty institute organizes a cyber awareness program on the occasion of world womens day.

File Description	Documents
Paste link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c3/3.3.1_extension-activities.PDF**
Upload any additional information	**View File**

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

1

File Description	Documents
Any additional information	**View File**
Number of awards for extension activities in last 5 year(Data Template)	**View File**
e-copy of the award letters	**View File**

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

2

File Description	Documents
Reports of the event organized	**View File**
Any additional information	**View**

	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	**View File**

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

19

File Description	Documents
Report of the event	**View File**
Any additional information	**View File**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	**View File**

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

15

File Description	Documents
e-copies of linkage related Document	**View File**
Details of linkages with institutions/industries for internship (Data Template)	**View File**
Any additional information	**View File**

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

4

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	**View File**
Any additional information	**View File**
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	**View File**

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning. viz., classrooms, laboratories, computing equipment etc.

4.1.1 The institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The infrastructure of the institute is as per the norms of All India Council of Technical Education (AICTE), Directorate of Technical Education (DTE) and University of Mumbai. Infrastructure facilitates well-organized and effective teaching-learning process. The infrastructure is in proportion to the strength of the students in the respective program

For an effective teaching-learning process, university outcomes are adhered to in academic calendars, curricula, and extracurricular activities. The academic curriculum is implemented by the concerned department along with compulsory regular courses and flexible alternative courses for the students. For the diverse student needs, the institute has taken care of this through add-on courses, remedial and practice sessions in association with external agencies and industry experts.

Classroom facilities: Physical facilities including smart classrooms with ICT enabled classrooms, tutorial rooms and networking and enable teachers to adopt suitable teaching-learning methods. They use online resources, virtual labs, animation videos, etc. to organize lectures. It helps to demonstrations, practice presentations, group discussions and role-plays.

Laboratory Facilities: All laboratories are well-equipped with their respective subject prerequisites for hands-on practice and are constantly upgraded. The central workshop is equipped with modern machinery for practicing turning, grinding, shaping, carpentry, sheet-metal work by hand. CNC Machine shop provides applied practice of programming and manufacturing process practice.

IT centres and other computer labs have the latest software and hardware facilities, including 65-Mbps leased line Internet access via fiber and wireless. Audio-visual labs are used for lectures, presentations, soft skills training, and project demonstrations. The Language Lab is equipped with ODLL language software and accessories for the development of professional skills.

Computer Equipment Facilities:

1. Two well-equipped seminar halls with ICT facilities are used for conducting orientations, seminars, workshops, expert lectures and interactive training programs. Each has a seating capacity of 130 students. Both seminar halls can be connected via video conferencing if required.

2. The organization's Innovation Council regulates the state-of-the-art workshop ecosystem to help students pursue research and innovation projects and enhance their knowledge of state-of-the-art tools and solutions, as well as automobiles.

3. The Central Library is well-developed with of Textbooks, Reference Books, National and International Journals, Books written by great authors and celebrities, Biographies and Autobiographical Books etc. recommended by the University of Mumbai. There is a digital library for reference to some subscribed e- Journals and e-books. Each department has its own library.

4. The organization helps to develop self-learning through small-scale projects and other vocational trainings and industrial tours. It focuses on life skills practice and a wide range of program options for employability and entrepreneurship, along with current trends in education.

5. The Institute also focuses on enriching the curriculum by conducting the Industry Institute Interaction Program (IIIP). The organization emphasizes a multi-skill development feedback system and ensures the participation of all stakeholders and alumni in updating the curriculum.

The institute has boys and girls' common rooms, equipped medical rooms, centralized RO plant drinking water supply, specialized desks, ramps, wheelchairs and toilets for disabled students.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c4/4.1.1_institution-teaching-learning.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

4.1.2 The institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.,

Response:

Sports Activities: The organization has green and sand playgrounds for outdoor sports and sports activities. All sports activities for girls and boys are organized at intra and inter-college level. Some sports such as shot put, javelin throw, disc-throw, long jump, half-step jump, high jump and running events are organized individually for girls and boys in college level.

Games (Indoor and Outdoor): The organization organizes the following indoor games - neon-cricket, chess, carom, table-tennis, badminton as well as outdoor sports - football, volleyball, cricket, box-cricket, kabaddi, kho-kho, and tug-of-war. The indoor hall above the canteen is used for indoor games.

The lawn ground is used for cricket, football and other sports and athletic activities. The sand ground has volleyball, box-cricket, kho-kho and kabaddi courts and these games are played in the respective courts. Some of our students have participated in university and state level competitions.

Gymnasium: The gymnasium of the institute is also used for exercise for a healthy and energetic health. The organization has facilities for indoor games, gym, yoga and meditation and encourages both girls and boys to participate in indoor and outdoor games.

Yoga and Meditation Center: Yoga is an everlasting practical science that deals with the physical, moral, mental and spiritual well-being of each individual which develops an inevitable feeling of self-reliance, self-assurance and respect for life and truth. The yoga and meditation center helps the staff and students to have a clear mind, stress free life and concentration.

Medical Room: The organization has medical emergency support facilities along with necessary medical aid. Cultural exchange programs always bring people together regardless of caste or religion.

Cultural activities: The Institute conducts annual cultural event called "Jashn-e-Theem" throughout the week of January every year. In this cultural program, the organization carries out various activities such as sports, cultural and technical.

The first day program begins with the inaugural activities of Team Raw followed by distribution of certificates and trophies to those who have achieved academic success then the guest announces "sports activity open". Intra and inter-college students participate in all kinds of sports, technical and non-technical competitive competitions.

This program enhances the competitiveness of the students and helps them to show their sports and technical talents. Every year students from various colleges participate in this activity and this year around 250 students have participated in the entire indoor and outdoor games. The organization honored all the winners and runners-up with certificates and trophies.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c4/4.1.2_institution-sports.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

40

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

40

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c4/4.1.3_seminar-halls-ICT.pdf**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	**View File**

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

6.57

File Description	Documents
Upload any additional information	**View File**
Upload audited utilization statements	**View File**
Upload Details of budget allocation, excluding salary during the year (Data Template)	**View File**

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Software for University Libraries 3.0. The institute's central library enhanced Software for University Libraries 3.0. It is state-of-art Integrated Library Management Software designed and developed by INFLIBNET Centre based on requirements of college and university libraries. It is user-friendly software developed to work under a client server environment. The software is compliant to international standards for bibliographic formats, networking and circulation protocols. The software is suitable not only for the academic libraries, but also for all types and sizes of libraries, even school libraries. The database for the new version

of SOUL is designed for the latest versions of MS-SQL and MySQL (or any other popular RDBMS). SOUL 3.0 is compliant to international standards such as MARC 21 bibliographic format, Unicode based Universal Character Sets for multilingual bibliographic records and NCIP 3.0 based protocols for electronic surveillance and control. It makes the library operation easy in stock and issuing books.

Major Features of SOUL are as follows:

1. UNICODE based multilingual support for Indian and foreign languages;

2. Compliant to International Standards such as MARC21, AACR-2, MARCXML;

3. Compliant to NCIP 3.0 protocol for RFID and other related applications especially for electronic surveillance and self-check-out & check-in;

4. Client-server based architecture, user-friendly interface that does not require extensive training;

5. Supports multi-platform for bibliographic database such as My SQL, MS-SQL or any other RDBMS;

6.Supports cataloguing of electronic resources such as e-journals, e-books, virtually any type of material;

7. Supports requirements of digital library and facilitate link to full-text articles and other digital objects;

8. Support online copy cataloguing from MARC21 supported bibliographic database;

9. Provides default templates for data entry of different types of documents. User can also customize their own data entry templates for different type of documents;

10. Provides freedom to users for generating reports of their choice and format along with template and query parameters;

11. Supports ground-level practical requirements of the libraries such as stock verification, book bank, vigorous maintenance functions, transaction level enhanced security, etc.;

12. Provides facility to send reports through e-mail, allows users to save the reports in various formats such as Word, PDF, Excel, MARCXML, etc.;

13. Highly versatile and user-friendly OPAC with simple and advanced search. OPAC users can export their search results in to PDF, MS Excel, and MARCXML format;

14. Supports authority files of personal name, corporate body, subject headings and series name;

15. Supports data exchange through ISO-2709 standard;

16. Provides simple budgeting system and single window operation for all major circulation functions;

17. Strong region-wise support for maintenance through regional coordinators. Strong online and offline support by e-mail, chat and through dedicated telephone line during office hours.

18. Available at an affordable cost with strong institutional support.

19. Highly resourceful and user-friendly the Web OPAC computerized Catalogue Search Services.

The WEB OPAC can search on following elements of bibliographic records:

Library Catalogue – Basic Search, Free-text search, Boolean Search and Advanced Boolean search

Member Status

New Request

For accessing WEB OPAC use on the http://localhost/WebOPAC/

File Description	Documents
Upload any additional information	**View File**
Paste link for Additional Information	**http://theemcoe.org/attachments/NAAC/2020-21/c4/4.2.1_Library-automated.pdf**

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	**A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	**View File**
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	**View File**

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

3.95

File Description	Documents
Any additional information	**View File**
Audited statements of accounts	**View File**
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	**View File**

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

4

File Description	Documents
Any additional information	**View File**
Details of library usage by teachers and students	**View File**

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institute, being capable of a centre of higher technical education, is well known for the benefit and support of upgradation and revision. Whenever the necessity arises on revision for the new technology, the institute takes it up on a periodic basis which portrays an excellent teaching-learning environment. The IT System Administration Team deploys the services.

- **Institution's computer laboratories have updated versions of hardware and software. The latest software needs updated hardware so the IT infrastructure keeps on updating frequently.**
- **The Institute's Server was updated in 2017 with 1 Dynamic Host Configuration Protocol (DHCP) and 1 Proxy Server. The inverter is also upgraded to 5KVA with 6 hours backup.**
- **All the labs, staff and administration computers are connected to Server through LAN in a single network using Star Network Topology with 100/1000 Mbps Speed.**
- **The institute has 4 stand-alone computers in the admin section, 24 stand-alone computers in the exam section are separated from the network to maintain the confidentiality of data.**
- **The internet bandwidth has been updated frequently since 2013 from 2Mbps to 65 Mbps.**

- **The Software is updated as per the market trend change requirements as follows:**

- **In 2008 - the institute used MS-Windows vista in 60 PCs, MS office 2007 in 11 PCs, MS Windows Server 2008 in 62 PCs, and Turbo C++ with Media in 10 PCs.**
- **In 2010 used - Quick Heal Total Security in 20 PCs, IBM Rational Software Arc in 30 PCs, and Website Designing in 2 PCs.**
- **In 2014 used - Quick Heal Pro Antivirus in 33 PCs, McAfee Internet Security in 30 PCs, and Solid Works Education in 60 PCs.**
- **In 2015 used — ODLL in 30 PCs, F-Secure in 60 PCs, and Autodesk in 125 PCs.**
- **The institute has proper e-content development facilities as follows:**

- **26 printers with different configurations such as 3 Dot matrix printers for students' experiments in 2017-18.**
- **The institute has 24 Laser Jet Printers and 4 Dot-matrix printers. All the departments have printers.**
- **The institute has 5 scanners, 28 projectors.**
- **Wi-Fi has been in use since 2014.**
- **The institute has 1 Digital camera and 1 Handy cam in 2013, then added 1 DSLR camera in 2016 and added 1 CCTV camera at IT Centre for online examination observance in 2017.**
- **The handy cam and DSLR cameras are used for live interaction during the faculty**

development programmes such as IIT FDP Workshops and Training and Webinars.

- **The institute orientation programmes are shown live in different locations of the institute.**
- **31 ICT based classrooms for enabling video lectures and animated engineering objects.**
- **Upgradation of server.**
- **Central library upgrade library management Software for University Libraries 3.0**
- **Digital Library equipped with independent software with high-speed internet access for online resources.**
- **Upgraded to online UPS in 2020 for better backup & sustainability.**
- **Seminar halls are equipped with multimedia facilities and LAN and internet connectivity.**
- **online classes with video recording were taken using zoom & google meet platforms.**
- **The Institute has purchased 5 Wi-Fi Router TP-LINK N300 in Mechanical, Automobile-Civil, Computer-IT and EXTC-Electrical department.**

IT Facility Management covers Comprehensive and Non-Comprehensive Annual Maintenance of IT hardware, Software, Networking Components, etc.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c4/4.3.1_Institution-IT-facilities.pdf

4.3.2 - Number of Computers

645

File Description	Documents
Upload any additional information	**View File**
Student – computer ratio	**View File**

4.3.3 - Bandwidth of internet connection in the Institution

A. ≥ 50MBPS

File Description	Documents
Upload any additional Information	**View File**
Details of available bandwidth of internet connection in the Institution	**View File**

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

289.32

File Description	Documents
Upload any additional information	**View File**
Audited statements of accounts.	**View File**
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	**View File**

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

4.4.2 There are established systems and procedures for maintaining

and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Institute Maintenance Policy

The Institute covering an area of 2.6 lakh square feet of 10 acres has state-of-the-art infrastructure such as laboratories, machinery shop, workshops, IT centres, centres of excellence for educational development and employability growth.

The well-equipped library and learning resource center, spacious ICT enabled classrooms, audio-video language studio for English language and soft skills development, fitness center gym, yoga center, indoor sports facilities and playgrounds provide facilities for students to improve their extracurricular activities.

All these ancillary facilities are under the management of the concerned department and the laboratory in-charge maintains the laboratory usage and dead stock register.

Maintenance Policy:

- Computer Resource Maintenance: Computer resource maintenance: The institute follows the "in-house automated online maintenance system" developed by our students. The system informs the technical team and keeps a record of the complaint until it is resolved.
- General Maintenance: Campus infrastructure is maintained by an experienced dedicated team. Centralized Maintenance Register (CMR) is available at the storehouse. During maintenance, if something needs to be purchased, it will be raised by a requisition slip.
- Breakdown Maintenance: The process of breakdown maintenance is shown in the following flow chart

https://drive.google.com/file/d/1U8WRYRmUxriTMVp4ZiuWbAR6y-M_b-Mq/view?usp=sharing

        Preventive Maintenance: CMR supervisors keep a record of periodic maintenance work and fix problems from time to time to ensure smooth operation of mechanical equipment and laboratories.

- Housekeeping Work: The housekeeping team consists of several male and female staff to maintenance the campus and work according to their daily schedule. Daily, weekly, fortnightly and monthly schedules are drawn.
- Garden Maintenance: Sophisticated gardening equipment is used for mowing and pruning herbaceous grasses. Sprinklers are used to water the lawns and the botanical garden is also maintained by a dedicated gardening team.
- Civil Maintenance: Major construction is done by qualified contractors. Periodic painting and whitewashing of buildings and laboratories, maintenance of grounds, maintenance of lawns and plants. Dustbins have been set up at various places on campus to maintain cleanliness.

- **Maintenance of machines and equipment:** Machines and equipment are maintained from time to time or when required. Steel and wooden furniture is maintained before the start of the odd and even session.
- **Electrical Maintenance:** The Electrical Maintenance team drives the maintenance of all the power utilities twice a year prior to the examination.
- **Library Maintenance:** After each session, the library advisory committee to identify and verify the damaged books. It then makes a list of binding books from outsourced and modifies them if necessary and sends them to the principal for approval.
- **Maintenance of Sports Complex:** Contemporary Sports Committee maintains indoor and outdoor sports stationery. It identifies and verifies the suitability of sports stationery for sports activities.

File Description	Documents
Upload any additional information	**View File**
Paste link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c4/4.4.2_academic-support.pdf**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

818

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	**View File**
Upload any additional information	**View File**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	**View File**

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

25

File Description	Documents
Upload any additional information	**View**

	File
Number of students benefited by scholarships and free ships institution / non-government agencies in last 5 years (Date Template)	**View File**

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**B. 3 of the above**

File Description	Documents
Link to institutional website	**http://theemcoe.org/attachments/NAAC/2020-21/c5/5.1.3_Capacity_Enhancement.pdf**
Any additional information	**View File**
Details of capability building and skills enhancement initiatives (Data Template)	**View File**

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

228

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

228

File Description	Documents
Any additional information	**View File**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	**View File**

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	**View File**

Upload any additional information	**View File**
Details of student grievances including sexual harassment and ragging cases	**View File**

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

53

File Description	Documents
Self-attested list of students placed	**View File**
Upload any additional information	**View File**

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

07

File Description	Documents
Upload supporting data for student/alumni	**View File**
Any additional information	**View File**
Details of student progression to higher education	**View File**

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

07

File Description	Documents
Upload supporting data for the same	**View File**
Any additional information	**View File**

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

01

File Description	Documents
e-copies of award letters and certificates	**View File**
Any additional information	**View File**
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	**View File**

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

In Theem College of Engineering, Student Council (SC) is formed every year, as per the rules and regulations of University of Mumbai. This council along with institute's administration helps in the process of development of personality of the students, organizational skills and career opportunities. The council's main objective is to provide a platform to students to express their opinions related to their studies and to suggest the requirements in the campus and it also learns how to represent the institute at university level. The student council has General Secretary, Deputy General Secretary, Sports Secretary, Cultural Secretary, Technical Secretary and Student Members and Coordinators. All of them play vital roles in their respective field to bring our institution up. They also organize college annual function Jashn-e-Theem and its activities such as Technical, Cultural and Sports on Collegiate as well as Intercollegiate level. Even they take responsibilities to arrange Alumni Meet and celebration of Engineer's day, Cultural Days. Each and every programme is done by the concerned secretary with the coordination of the General Secretary and various student committees that makes the entire programme success. General Secretary invariably represents the students at the time of any student's fraternity and does discussion with chairing authorities. He and the specific domain expertise organize different events and make smooth functioning of it. At micro level, GS is responsible in monitoring class functioning or lecture scheduling by class/branch representatives. By following the University of Mumbai, all the departments have its own Class representatives (CR). Apart from these students, some students are enrolled for other committees such as NSS, College Magazine, E-Newsletter, Anti-ragging, Women Empowerment and Grievance Redressal Cell, etc. These committees deal with academic activities, programmes, student welfare, anti-ragging, campus cleanliness, etc. The Cultural Committee takes care of all intra and intercollegiate cultural events in the College including Singing, Solo Dance, Group dance, Ramp Burn, Debate, Rangoli, Best out of Waste, Poster Painting, Flower Decoration, Mehendi, etc. There are certain committees who support to organize First Year Orientation Programme, Independence Day and Republic Day as well as the following tasks: • To schedule cultural events for the academic year. • To prepare budget for all cultural events and take necessary steps for its approval. • To obtain formal

permission from college authorities to arrange programme. • To inform members of staff and students about the event. • To arrange the venue and logistics. • To invite the Chief Guest and other dignitaries. • To arrange mementos for guests and gifts/certificates for the participants. Technical Committee takes responsibility of organizing and monitoring the following events: Robo-war, Robo-race, Robofootball, Robo-blind race, Robo-fashion, Technical papers, Technical debate, Midas touch, Aqua booster, Angry birds, Green building, Power tower, Sudoku, Mind quest, Blind programming, Face the book, PC assembling, Web page design, Counter strikes, N.F.S, BRCYG, Junior scientist. The sports committee conducts all intra and inter collegiate sports such as Cricket, Volleyball, Football, Chess, Carrom, Girls throw ball, Athletics, Box cricket, Neon cricket, Tug of war, Badminton, Kabaddi, etc.

File Description	Documents
Paste link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c5/5.3.2_letter.pdf**
Upload any additional information	**View File**

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

01

File Description	Documents
Report of the event	**View File**
Upload any additional information	**View File**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	**View File**

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Institute completed its decade and within this period it conducted five alumni meet/association meetings prior to registration of Alumni Association. In the association meeting held on 16 December, 2017, the unanimous decision had been taken to form an alumni association. The alumni voted for the same and the body was formed.

Theem Alumni Association was registered on dated 15-12-2018 with the registration number MAH/2139/2018/Thane. The Alumni Association has the following objectives:

- Creating a dynamic link to forge a bond between Institute and Alumni

- Providing better wholesome education to students in curriculum and professional career

- Guiding students with Alumni's experience in their career and to help the institute building "Theem Brand" every year

The institute conducts Alumni Meet and Association Meet to provide alumni a platform for renewing the old bonds with Alma-mater. The institute invites entrepreneurs to show path for industry required skills. The institute has Alumni Portal and Website to build a vibrant network with alumni and they can access day to day activities of the institute as well as alumni activities. This effective network increases the number of alumni interacting with students.

Each and every alumnus plays a significant role for the development of stakeholders as well as the institute. They give their suggestion through feedback to enrich the teaching-learning process every year and the main objective of the feedback is to focus on assessment of curriculum improvement, infrastructure and facilities. The feedback is analyzed and forwarded to the concerned department for further improvement process.

The alumni's contribution in financial and non-financial resources supports to fulfill the objectives. Theem Alumni Association started to collect the financial contribution from alumni and the same will be deposited in its bank account. The process will be completed within a short period of time.

The non-financial contributions of alumni are as follows:

- Providing perspective views on career awareness and career planning through presentation, expert lecture, seminar and workshop

- Guiding final year students for selection of industry oriented projects

- The institute arranges guest lecture of alumni to make availability of industry oriented curriculum and extra-curriculum activities

- Alumni also suggest enriching the department laboratories to support the update technology as well as good placement.

File Description	Documents
Paste link for	http://theemcoe.org/attachments/NAAC/2020-

additional information	**21/c5/5.4.1_Alumi-Association.pdf**
Upload any additional information	**View File**

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**E. <1Lakhs**

File Description	Documents
Upload any additional information	**View File**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Institute Vision

"To become a Centre of Excellence in Technical and Professional Education"

Institute Mission

"To commit for high standards of technical and professional education."

"To impart quality professional education through ICT initiatives and project based learning." "To nurture technocrats and professionals with ethics and human values."

The Top Management designs the quality policy which is reflected in their commitment with the plan to implement quality management system with continuous enhancement of effectiveness. The institute steers to march ahead to achieve the vision "Centre of Excellence". The quality statement and policy are fragmented into following explicit components to achieve the target/goal:

- **Ensuring students' multi-dimensional development in wholesome academic with continuous enhanced facilities in teaching-learning process with continuous monitoring of quality.**
- **Inculcating project-based learning by facilitating state-of-art workshop and excellence centre for practical learning.**
- **Imparting the leadership quality in students to work in a team and take part in various activities by arranging value added course and workshops.**
- **Providing opportunity and training on co-curricular, extra-curricular for leadership, employability, entrepreneurship and start-up skills.**
- **Bridging the gap between academics and industry through guest lectures, training programmes and additional technical training for students by incorporating MOUs.**
- **Inculcating moral integrity in students for making them good and socially responsible human beings through NSS.**

- **All operations of strategic plans are carried out under the administration of the Principal and various bodies of the institute.**
- **Executing multiple committees ensures constant communication with stakeholders through parent meet and alumni meet and it takes their feedback.**
- **Providing policy support for the improvement in performance of academic results, placements, research publications in conferences and journals and funding of the project.**
- **Reviewing the department progress for continuous improvement through Departmental Advisory Board (DAB) by the Heads of the Departments.**

The following management bodies play a major role to have effective development and implementation of quality policy:

- **H. J. Thim Trust Governing Council (GC)**
- **Local Management Committee (LMC) / College Development Committee (CDC)**
- **Internal Quality Assurance Cell (IQAC)**
- **Academic Monitoring Committee (AMC)**
- **Examination Advisory Committee**
- **Departmental Advisory Board (DAB)**
- **Library Advisory Committee (LAC)**
- **Institution Innovation Council (IIC)**
- **Research and Development & Intellectual Property Rights Cell**
- **Entrepreneurship and Start-up Centre**

Each committee meets weekly/fortnightly/monthly in the presence of the Principal of the institute to review/monitor various activities executed/to be executed.

File Description	Documents
Paste link for additional information	**http://theemcoe.org/about-us.html**
Upload any additional information	**View File**

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The institute corroborate decentralization by devolving authority to various levels for participative management to have transparency in decision making which leads to good governance. The authority is localized from the top management to Principal then to HODs and faculty coordinators. The LMC, IQAC and AMC presume representations of management. These committees include faculty and students to accomplish academic, administrative and project development pursuit which results in constructing an ambience favourable to overall growth and to achieve the grail of the institute.

1. **Training and Placement Cell:**

Training and placement cell operate in dual mode i.e. Organising for campus placements and presenting for appropriate training to the students enhancing their employability. An autonomous training and placement officer takes care of training and placement tasks in the campus. The assistance from each Department is provided by the departmental coordinator assigned for the same. The committee for Training and Placement comprises of the Director, all the Heads of the Department, T&P Officer and Departmental T&P coordinators. Together the policies are formed for kind of training to be imparted to the students of different departments and accordingly the training is provided. The coordinators maintain the database of the students as well as the relevant industries for the departments. The necessary contact is established with the industry people for getting the internships for the students. Additional expert lectures by the resource persons from industries and academia are arranged for generic as well as specific technical training in the relevant fields for the students. Every faculty member is free to suggest and bring such resource person to the campus. The campus interviews are organized also the students are sent outside for the pool-campus activities organized in other Institutions. Alumni are also made to participate to establish and nurture industrial contacts through Alumni Association. Regular interaction between alumni members and students are made through association meet.

1. AMC: The main purpose of AMC is to collect database to provide foundation for strategic plan of the institute.

Objectives of AMC:

1. To review and monitor the academic activities of the department.

2. To ensure that the programme should remain competitive and relevant to the present context to enhance the contemporary and emerging challenges.

3. To take systematic approach to fulfil the industry expectation and academic curriculum.

4. To give feedback to IQAC regarding departmental activities.

5. To give feedback to HOD regarding any deficiency if found.

Committee Hierarchy:

AMC is headed by senior staff and assisted by department level academic coordinators. The representative from each department acting as Departmental Academic Coordinator is the member of Internal Academic Monitoring committee. All coordinators are responsible in policy making process. Class teachers and Mentors are pillars of AMC. All Teachers are involved in implementing AMC

policy through IAMC. There are different subcommittees involved to carry out smooth conduction of academic activities like Time Table in-charge, Exam coordinator, Training and Placement Coordinator, Software Development Cell Coordinator etc.

File Description	Documents
Paste link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c6/6.1.2_Decentralization.pdf**
Upload any additional information	**View File**

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institute's perspective plan enriches teaching-learning process continuously to strengthen the core values as well as to improve infrastructure and resources. The institute focuses on skill-based education to develop academic and administration tasks. The institute continuously upgrades ICT and added SMART class facility. ICT ensure effective utilization of teaching-learning infrastructure. Every faculty of the institute uploads study materials like notes, PPTs, Assignments, NPTEL Video links, NPTEL PDF Links, other Video links, Virtual lab links, research papers links, case studies, objective type questions, list of modules and simulations links, links of MOOC, list of Industries related to subjects on Google Classroom which are related to the course and students access it at any place through internet. Feedbacks are taken from internal stakeholders on Google classroom and through Google Sheet, etc.
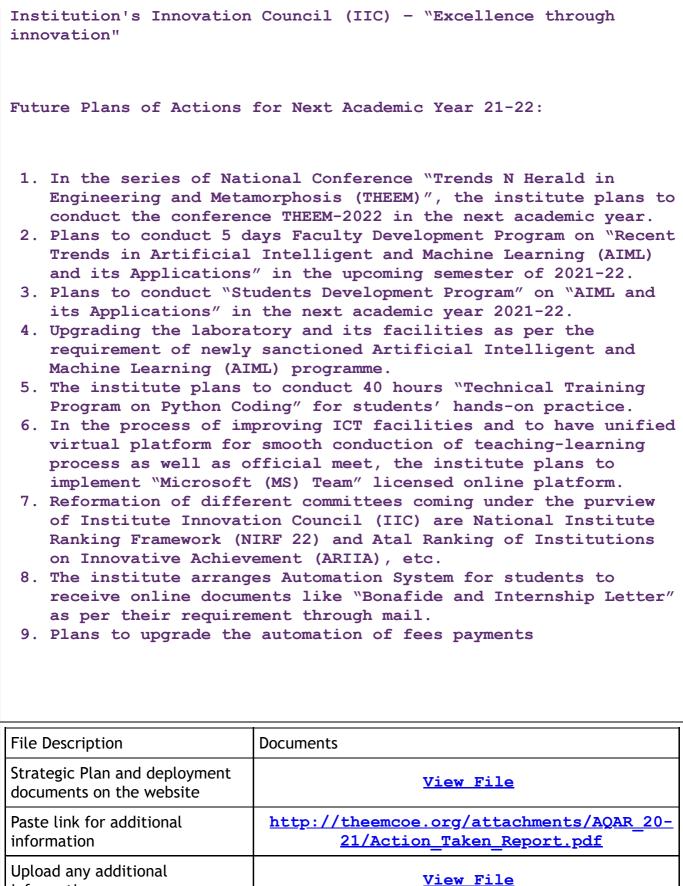
Mentor-Mentee System to counsel students, Curriculum Implementation and Assessment Report (CIAR), and Academic Audit Reports are planned to fulfil the target. To reduce the gap between industry and institute, the institute conducts Industry Institute Interaction Programmes. This programme explores employability, internship, industrial visits and industrial projects through MOUs. It inculcates students the industry and field knowledge to avail industry level live projects to experience industry challenges.

The institute has developed an ecosystem to inculcate research culture, innovation and patenting, employability enhancement and entrepreneurship among students. The components of ecosystem are:

Theem R&D and Intellectual Property Rights Cell (TRD&IPR) – "Patent your innovation". Theem Excellence Centre Automobile (TECA) – "Enhances your knowledge".

Theem Entrepreneurship and Start-up Cell (TESC) – "Ignites the innovation".

Theem Industry Ready Quality Training Centre (TIRQTC) – "Empowers employability". Training and Placement Cell (T&P) – "Assists placement endeavours".

Institution's Innovation Council (IIC) – "Excellence through innovation"

Future Plans of Actions for Next Academic Year 21-22:

1. In the series of National Conference "Trends N Herald in Engineering and Metamorphosis (THEEM)", the institute plans to conduct the conference THEEM-2022 in the next academic year.
2. Plans to conduct 5 days Faculty Development Program on "Recent Trends in Artificial Intelligent and Machine Learning (AIML) and its Applications" in the upcoming semester of 2021-22.
3. Plans to conduct "Students Development Program" on "AIML and its Applications" in the next academic year 2021-22.
4. Upgrading the laboratory and its facilities as per the requirement of newly sanctioned Artificial Intelligent and Machine Learning (AIML) programme.
5. The institute plans to conduct 40 hours "Technical Training Program on Python Coding" for students' hands-on practice.
6. In the process of improving ICT facilities and to have unified virtual platform for smooth conduction of teaching-learning process as well as official meet, the institute plans to implement "Microsoft (MS) Team" licensed online platform.
7. Reformation of different committees coming under the purview of Institute Innovation Council (IIC) are National Institute Ranking Framework (NIRF 22) and Atal Ranking of Institutions on Innovative Achievement (ARIIA), etc.
8. The institute arranges Automation System for students to receive online documents like "Bonafide and Internship Letter" as per their requirement through mail.
9. Plans to upgrade the automation of fees payments

File Description	Documents
Strategic Plan and deployment documents on the website	**View File**
Paste link for additional information	**http://theemcoe.org/attachments/AQAR_20-21/Action_Taken_Report.pdf**
Upload any additional information	**View File**

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The Institute has various committees/bodies/cells and their functions are properly defined considering the overall development of the institute. The following are the evidence and activity implementation: Women Empowerment and Grievance Redressal Cell

deals with grievances of women both staff and students. The following awareness lectures/debates on women empowerment and grievances were successfully conducted and prepared the Minutes: A seminar on "Women Leadership" was conducted, which enlightens the women participants and their key role in every sector. Keeping the track, a debate on "Women Empowerment is still a Distant Dream in India" was arranged to throw light on acceleration of women up-lift. Rising the issues of female infanticide, a skit on topic "Save Girl Child" was successfully held. A special programme to highlight the women's role, a debate was accomplished which served the points regarding current scenario and illustrative and informative demo was held by the guest on the topic "Personal Hygiene." An important and growing concern for the women's safety, a programme was held on the topic "Sexual Harassment of Women Employees and Students" which helped lady faculties as well as girl students to grasp the key points. A counselling session for women's hygiene and rights was held which focused mainly on existing situation. The institute has also inducted the theme of women empowerment with the name "SHE" in college annual gathering Jashn-e-Theem. On the occasion of International Women's Day, a seminar was held on Women Security with the title of "Women's right".

File Description	Documents
Paste link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c6/6.2.2_Functioning-Instutional-Body.pdf**
Link to Organogram of the Institution webpage	**http://theemcoe.org/attachments/NAAC/2020-21/c6/6.2.2_Organogram_on_institute_website.pdf**
Upload any additional information	**View File**

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning)Document	**View File**
Screen shots of user interfaces	**View File**
Any additional information	**View File**
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	**View File**

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institute has effective welfare measures for teaching and non-teaching staff. The institute follows the recommendations/rules and regulations of AICTE, DTE, and Mumbai University.

1. Faculty Empowerment Policy:

- P.F: Exists as per government Norms, equally shared by institute and staff.
- Gratuity: Exists as per government Norms. All the necessary provisions are made for financial containments by institute.

2.Working Hours:

- As per norms of Mumbai University.

3.Leave policy:

- Number of CL: As per Norms
- Medical Leave: As per Norms
- Earned Leave: EL exists for non-teaching staff 30days per annum. EL conversion from Vacation to EL is in 3:1. Ratio.

4.Pay policy:

- VIth Pay scale, to Assistant professors as per the university norms
- Different slabs for 2 yrs., 4 yrs. and 6 yrs. experiences, to avoid disparity amongst staff selected in different time periods.

5.Increment Policy:

- Uniform/Feedback based or both.

6.Motivational Policy:

- Financial assistance like fees, processing charges, TA/DA, in part or in some cases full.
- STTP/Training/ workshop/conferences/ Paper presentation
- At least one professional body membership to all the staff.
- Non-teaching staff is provided with uniform.

7. Higher Education policy:

- For, PhD - Sponsorship letters shall be provided
- Financial assistance may be considered.

8. Research and consultancy policy:

All the projects and consultancy, additional skill based or school finishing activities in each and every department are considered for revenue sharing. The income shall be remunerated amongst the staff involved in the training, consultancy for income generation. The ratio of remuneration distribution shall be 60%: 40%; Staff: Institute.

9. Financial Support Policy:

- **Funding for Research project.**
- **Funding for Patent filing.**

10. Teacher Incentives and awards for extra ordinary work:

- **Additional increments.**
- **Awards.**
- **Certificates and felicitations.**
- **Study books allowance.**

File Description	Documents
Paste link for additional information	**http://theemcoe.org/attachments/NAAC/2020-21/c6/6.3.1_welfare-measures.pdf**
Upload any additional information	**View File**

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

3

File Description	Documents
Upload any additional information	**View File**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	**View File**

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**View File**
Upload any additional information	**View File**
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data	**View File**

Template)

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

51

File Description	Documents
IQAC report summary	**View File**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	**View File**
Details of teachers attending professional development programmes during the year (Data Template)	**View File**

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The institute has Performance Appraisal System for teaching and non-teaching staff. This system reflects to recognize the potential of the institute and the progressive leadership of fiscal governance. The self-appraisal report earmarks the opportunities challenged in teaching-learning endeavours of the last academic year in following segments:

1. Teaching Staff Endeavours:

- Student Result Analysis of the subject taught
- Student Attendance Analysis
- Staff Achievements and Activities
- Training/workshop/STTP/conference attended
- Papers/articles/book published
- Research project and innovation/consultancy
- E-learning content developed
- Industrial Visit conducted/acted as resource person
- Extension services/social activity

1. HODs Recommendation:

- Course Monitoring
- Other duties assigned and performed
- Sincerity in task performance
- Teaching Feedback
- Overall impression and grade

1. Institute Level Portfolio Performed and Negative impact of Absenteeism

This performance appraisal system has three categories with 100 marks:

1. Staff Appraisal

2. HODs Recommendation

3. Principal's Evaluation

The staff appraisal has three divisions with predefined value charts for 40, 10 and 30 marks respectively. Hence, it measures 80% of staff appraisal. The HODs recommendation verifies the data of staff appraisal and endorses the additional marks based on performances and feedback monitored. This adds another 15% of the total marks.

Principal's evaluates staff appraisal and HODs recommendations. He assesses institute level portfolio of the staff and evaluates 5% to complete the total evaluation with 100 marks. Also he oversees the punctuality and regularity of the staff and evaluates that for negative marking with deduction of upto10 marks from the total.

Finally, Principal prepares the staff Performance Indicator Chart and forwards to the management for appraisal and incentives. This appraisal system motivates the faculty to develop and enhance their competency through self-learning and research and publications.

File Description	Documents
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c6/6.3.5.pdf
Upload any additional information	**View File**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute does financial audit at regular intervals by institute's own internal audit system and the external agency. The internal audit is an ongoing process to thoroughly check and verify of all transactions and vouchers of each financial year. The external auditors verify and certifies the entire Income and Expenditure and the Capital Expenditure of the Institute every year. Minor errors or omissions and commissions when pointed out by the audit team are immediately rectified and precautionary steps are taken to avoid such errors in future.

File Description	Documents
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c6/6.4.1.pdf
Upload any additional information	**View File**

6.4.2 - Funds / Grants received from non-government bodies, individuals,

philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	**View File**
Any additional information	**View File**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	**View File**

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institute is a private and un-aided. Students' fees is the major source of revenue. H. J. Thim Trust makes up for any deficiency in funds. The Top Management diligently monitors use of the fund for effective and efficient expenditure on teaching-learning endeavours and infrastructure development through annual budget system. Principal monitors all the major financial transactions with approval of the Director.

The institute has predefined systems for institute level budget summed up with the budgetary requirement of departments and of all the cells/centres. It manages within the available financial resources. Departmental budget explores all the avenue like upgradation of laboratories, establishment of new laboratories, staff upgradation, workshop and seminars to be conducted, alumni meet, and any other departmental association meets required/planned for the next fiscal year. The Principal reviews the budgets and a final draft of the budget is prepared in consultation of all the heads and senior faculty members as per expansion plans and availability of funds. The final budget is submitted to the management for approval.

The institute adopts Indian Accounting Standards to maintain books of accounts. The accounts department monitors authentic records of every income and expenditure transaction. The institute receives approximately 50% of the fees from scholarship department of State Government. The remaining part of the fees is received from students. The fund is utilized for Employees Salary and infrastructure development, etc. The governing body approves the budget with necessary allotments.

File Description	Documents
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c6/6.4.3.pdf
Upload any additional information	**View File**

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The Internal Quality Assurance Cell (IQAC) was formed in the month February, 2017 and maintained by the Principal as chairperson and members from the entire stakeholder. A senior professor is appointed to coordinate all the activities. The IQAC formulated mechanism and procedure for institutionalizing the quality assurance strategies in three categories. It monitors the level of quality achievement in teachinglearning process through CIAR, the level of transformation and holistic development of students by Mentormentee Report and academic infrastructure and staff knowledge enhancement with the adoption of research culture through department audit report. To achieve the quality enhancement, the IQAC initiated the following best practices:

- Curriculum Implementation and Assessment Record (CIAR)
- Mentor-Mentee System

1. Mentor-Mentee System The Mentor-

Mentee Report reflects the records of the student's features such as personal, family and academic details prior to joining the institution. It helps the mentor to assess and counsel to adjudge the slow and advance learner based on first mid-term and end term test performance. This report advises to facilitate the Mentor-mentee meeting twice in a semester. This meeting helps to define the remedial and bridge courses if needed. Each mentor maintains average 20 mentees to care and provide their needs and supports their thought process.

In second year, the mentee's report is transferred to branch mentor and he mentors him/her till the completion of the programme. The mentor discusses their personal and academic problems accordingly he supports them for additional learning assignments in terms of extra classes and remedial classes for slow learners. The advanced learners are motivated for project-based learning and they are encouraged to participate in technical exhibition, paper presentation held at national and international level. This continuous counselling helps for holistic improvement of the student.

1. Curriculum implementation and Assessment Report (CIAR)

The CIAR monitors regularity of classes, dissemination of lesson plan, tutorials, and practical. Each subject has one CIAR and it is duly updated by the subject teacher till the completion of subject and evaluation. All the records and teaching activities and Continuous Internal Evaluation are properly maintained in CIAR booklet and which is reviewed monthly by respective heads.

- The attainment level of COs mapped with the matrix of university examination, internal assessment and course exit survey after the completion of examination.

- The attainment of COs is analysed with direct method of internal assessment, University examination and oral/practical with course exit survey.
- The attainment of POs and PSOs through COs is also analysed with map.
- The average of overall attainment is calculated by taking consideration of POs/PSOs, target, attainment and its percentage then observation is drawn to justify the action to be taken.
- Finally, the result analysis is done to assess the level of the quality achieved/enhanced.

The CIAR mechanism and procedure helps to monitor the level of quality achievement in teaching-learning process and the inference can be drawn.

File Description	Documents
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c6/6.5.1.pdf
Upload any additional information	**View File**

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The IQAC has a cross domain team of professors for conducting departmental academic audit which guides us to bring-in reforms. This audit is conducted twice in a year in the month of February and August to study the curriculum planning and implementation, teaching-learning evaluation, curriculum delivery infrastructure, research culture adoption, student participation, department extension activities, strength, weaknesses, opportunities and challenges/threats (SWOC/T), best practices and future plans.

The IQAC's first reform step is to strengthen the curriculum implementation by introducing a new booklet which is called Curriculum Implementation and Assessment Report (CIAR). This booklet is record of complete teaching-learning dissemination process and course outcomes up to result analysis. This guides for the required reforms in teaching-learning process to switch over from traditional teaching to student centric system within the frame of academic calendar. The institute has ICT classrooms with well knitted facilitates which instigates faculties to use animation, power-point presentation and video lectures. The MOODLE and SMART classroom motivate participative learning by sharing the faculty and the students' views through notes, quiz, answering the questions and feedbacks.

The IQAC's second reform is to bring in research culture among faculty and students along with project-based learning through ecosystem that comprises of Research and Development and IPR Cell, Theem Makers' Vector, Theem Entrepreneurship and Start up Cell and various centres of excellence. The ecosystem supports extension

activities such as Industry Institute Interaction, Internship, Expert lectures, and Social activities through NSS for sensitizing the social issues among the student community.

The IQAC meets twice or thrice or as on and when the necessity arises regarding the reforms and quality monitoring. The objective of IQAC strategic plan facilitates reviewing the academic quality and monitoring to update the lacunas.

The IQAC analyses and reviews the SWOC of the institute. The enriched state-of-art laboratories, school finishing activity initiatives for employability enhancements, and pollution free campus are the strength of the institute. Being situated in urban industrial area and away from Mumbai University, it is very difficult to represent in Board of Studies and University Committees. The close proximity to industries supports to explore placements and research funding. The institute faces challenges of making all students employable and encouraging for entrepreneurship, inculcating research activities and maintaining faculty retention cadre ratio.

The course outcomes and attainment of result are measured and reviews are suggested for further improvement aiming at holistic development of students.

File Description	Documents
Paste link for additional information	http://theemcoe.org/attachments/NAAC/2020-21/c6/6.5.2.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://theemcoe.org/attachments/AQAR_20-21/Action_Taken_Report.pdf
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	View File
Upload details of Quality assurance initiatives of the	View File

| institution (Data Template) | |

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The institute endorses equal opportunities to both boys and girls participating in various scientific, cultural and sport events. The institute celebrates Women's Day to infuse confidence amongst fairer sex. Women Empowerment and Grievance Cell (WEGRC) deals with issues of girls and woman staff. Both boys and girls of the institute have been recognized at college, intercollege, state and national level competitions. "Programme on Cyber Awareness" was conducted by PSI of Palghar District on the women's day 08th March 2021 in view to promote gender equity.

The institute's WEGRC and "Anti-ragging Committee" assure the Safety and Security of staff and student's grievances. The institute campus is fully monitored by CCTV cameras which ensure 24X7 safe and secure campus.

Counseling is an important step to nurture students' academic and technical related activities. We systematically follow the counseling to give professional advice to students about the technical studies and practices, and the problem which they are going to face while practicing technical matters. To manage this, the institute formed a Mentor-Mentee System.

The institute has separate Common rooms for both boys and girls with an adequate facility that makes students comfortable. The facility of sanitary napkin vending machines are provided at ladies room.

File Description	Documents
Annual gender sensitization action plan	http://theemcoe.org/attachments/NAAC/2020-21/c7/7.1.1_Annual-Action-plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://theemcoe.org/attachments/NAAC/2020-21/c7/7.1.1_Specific-facilities-women.pdf

| **7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy   Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment** | B. Any 3 of the above |

File Description	Documents
Geo tagged Photographs	**View File**
Any other relevant information	**No File Uploaded**

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institute has Solid Waste Management system at three locations where 6x4x3 feet 3 containers are fixed for dumping solid waste. All waste such as waste paper, food and material are refined and make ready in advance organic fertilizer. The valued generation of solid waste in the campus is approximate 3 to 5.5 kg per day from all the departments, canteen, and garden. Minimum 38-45 days are required to complete one cycle of composting.

The Liquid Waste of the campus has provision of septic tanks with an anaerobic environment in the tank which decomposes the waste discharged into the tank. The plumbing wastewater is assembled from different places to the septic tank. Cleaning of Septic tank is done regularly by municipal sludge gathering vehicle. Hazardous Chemicals are kept separately in the laboratory away from the students' reach. Students are made conscious of the hazardous chemicals before utilizing the chemicals.

E-waste of the college is given to the authorized dealers like scrap buyers. They check the useful components of computers like motherboards, SMPS, RAM and reuse it. MOUs has been done between college and the vendors for managing the repair of and various electronic components and refilling of printer cartridges.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**View File**
Geo tagged photographs of the facilities	**http://theemcoe.org/attachments/NAAC/2020-21/c7/7.1.3_Geo-tagged-photographs.pdf**
Any other relevant information	**View File**

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	**B. Any 3 of the above**

File Description	Documents

Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of Bicycles/ Battery powered vehicles 3. Pedestrian Friendly pathways 4. Ban on use of Plastic 5. landscaping with trees and plants	A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information :	A. Any 4 or all of the above

Human assistance, reader, scribe, soft
copies of reading material, screen
   reading

File Description	Documents
Geo tagged photographs / videos of the facilities	**View File**
Policy documents and information brochures on the support to be provided	**View File**
Details of the Software procured for providing the assistance	**View File**
Any other relevant information	**No File Uploaded**

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

With reference to above subject, every year the Institution takes efforts to create an inclusive environment for students and staff which leads to tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, but due to the COVID -19 lockdown is imposed under the COVID-19 the Epidemic Diseases Act,1897 Lockdown-order with No: DMU/2020/CR.92/DisM-1, Date 23rd March2020 and 4th April 2021. The students were not physically present in the college campus, so we were constrained by the imposed lockdown and its further extension from time to time as per the State and Central Government

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	**View File**
Any other relevant information	**No File Uploaded**

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The institute celebrates Republic Day and Independence Day every year in the college premises by organizing various social activities such as tree plantation, blood donation, etc. to enhance the spirit of nationalism. The day 15th August 1947 is the first day of India's freedom which is mentioned forever in the history. India's Independence Day is the most auspicious occasion to pay homage to the freedom fighters. We, the staff and the management, gather at parade ground of our college to celebrate this great national event by flag-hoisting with the national anthem. We have taken an oath to make our planet Green and we do plant saplings on this day around Boisar.

Since 1950, every year on 26th of January, we celebrate "Republic Day" -the day Constitution of India came into force. The Constitution of India on 26th of January, we all gather at the parade ground to celebrate this event by flag-hoisting with the

national anthem and also we pay homage to the architect of the Constitution of India. As a part of development of the country's environment as greenery, wherever the barren land is there at Boisar we do plant saplings on the Republic Day.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	**View File**
Any other relevant information	**View File**

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	**B. Any 3 of the above**

File Description	Documents
Code of ethics policy document	**View File**
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	**View File**
Any other relevant information	**No File Uploaded**

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Every year in India, on 15th of September, "Engineers Day" is celebrated by engineering fraternity. The date is embarked as the birthday of legendary engineer Dr. Mokshagundam Visvesvaraya who was the greatest engineers of all times with his vision in the field of engineering through which he contributed to India. He was honoured with the highest state award of India "The Bharat Ratna" in the year 1955. We celebrate engineering day energetically at our campus by recalling his international recognition for his genius in harnessing water resources, successful design and construction of several river dams, bridges and implementing irrigation and drinking water schemes all over India. We discuss other great engineers' devotion and dedication also.

We celebrate "Teacher's Day" on 5th of September every year in India. This date is the birth anniversary of Dr. Sarvepalli Radhakrishnan who was a great scholar and an excellent teacher

served as a successful leader in the form of the President of our country. We pay tribute to him by celebrating this day as "Teacher's Day" and we express our gratitude by greetings to the entire teacher for their love and care and few of them are rewarded with the best teacher awards.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	**View File**
Geo tagged photographs of some of the events	**View File**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice 1:

1. Title of the Practice: "Counselling and Career guidance – for Secondary and Higher Secondary Students".

2. Objectives of the Practice:

Objectives/Outcomes:

- To inculcate knowledge of technical education to the school students
- To show career options in the technical field after graduation.
- To develop positive attitude towards technical education after guidance and suggestion.
- To enhance the confidence among students to grab every possible employability opportunity in the technical field.
- To plan their career by providing in-depth understanding of opportunities at the key transition point and translate these effectively into appropriate decision and action

3. The Context

The Counselling and Career Guidance is an major activity of an academic institution that assist students to adopt their professional goals. This activity is for secondary students and engineering students to give complete awareness about the job options around the world.

4. The Practice

This activity is done to the 10th and 12th standard students to build-up their awareness on science and technical education. Our teaching and non-teaching faculty conduct career guidance on technical education in various schools and junior colleges. They counsel them how to do career planning and guide them how to prepare for entrance exams to get admission in a technical

institute of their choice. They also give knowledge about seat availability of different engineering branches at various institutions.

5. Evidence of Success

Career guidance has support the students to excel in the campus interviews, higher studies and various other competitive exams. Students have been transformed into matured and responsible technocrats. Through the career guidance, students boosted their confidence to choose their suitable career options. The career guidance counselling has built-up strong bond between the faculty and students which in turn has helped in their careers.

6. Problems Encountered and Resources Required

Problems encountered: There were many problems encountered during the Counselling and Career Guidance Exhibition such as convincing the schools and colleges authority to attend the programme during COVID19 pandemic, attendance of parents and their wards were very less due to a remote location.

Resources Required: The team convinced the administration of the school by offering time which does not affect their regular schedule. The team provided proper writing material to students and parents to convey the message and importance of taking part in this Counselling and Career Guidance.

Best Practice 2:

1. Title of the Practice: "Felicitation of the Academic Topper's"

2. Objective of the Practice:

- To praise their diligent work in academics.
- To improve academic performance by encourage the students.
- To motivate the student for achieving top rank at the University of Mumbai by developing competition among them.

3. Context

The purpose of this is to create interest among students in academics and to provide many Industrial Visits which help in their minor and major projects of their academics. The award show is organized by the institute to motivate the student for the academic activities.

4. The Practice

Each and every year, an award show is organized to appreciate with awards the topper students in academics. At the start of the event, felicitation of guests is done and then all the student toppers from various departments were felicitated for their sincere dedication to achieving magnificent results. All the topper students are appreciated by the delegates and hence really to motivate juniors.

5. Evidence of Success

The program is conducted to inspire the student for future goals and contribute to well-being of the society and the nation. This activity has created a competitive environment among students for achieving a high score in their academics. Every year, the outcome and performance of the student are being increased by this activity which led some students to secure ranks at the level of University of Mumbai.

6. Problems Encountered and Resource Required

Problems Encountered:

Resource Required: The administration had adjusted date and timings according to the students comfort and provided bus facility from Boisar Railway Station to the college for both students and parents those were attending for this event. This was one of the major events conducted by Theem College of Engineering that inspired the student for achieving their future goals.

Best Practice 3:

1. Title of the Practice: "State Level Quiz Competition on Management for all engineering department students".

2. Objectives of the Practice:

Objectives/Outcomes:

- To enhance knowledge of Management skill to the Diploma Engineering students
- To show career options after graduation in Management field.
- To educate students about the Scientific Management.
- To enhance the knowledge about Quality Management necessary for handling major projects.
- To inculcate the knowledge about different Functions of Management.

3. The Context

The State Level Quiz Competition on Management is an major activity of an academic institution that create awareness about the Business Management Skills. This activity is for diploma engineering students to give knowledge about the functions of Management and Government Act.

4. The Practice

This activity is done to the Diploma Engineering students to build-up awareness on technical Management education. Our teaching Quiz coordinating faculty has circulated online state level quiz form to various engineering colleges and then motivated them to participate in state level quiz. The coordinators has guided the students how to participate in online quiz competition. They provided syllabus and knowledge about it and question format and

passing criteria. E-certificates where provided to the students on their respective Email ID. The top three students of this state level online quiz were awarded by the management of Theem College of Engineering and some students were also received consolation prizes.

5. Evidence of Success

The State Level Quiz has boosted students' confidence about technical knowledge of Management. The program is conducted to inspire the student for choosing the career in the Management field to become a well-being of the society. It also helped them how to overcome the problem during management of major projects.

6. Problems Encountered and Resources Required

Due to COVID19 pandemic, there were many problems encountered while conducting the State Level Online Quiz. Those were availability of smart phones, Laptop and Computer to participate this online quiz programme and proper internet connectivity was the major issue.

The Coordinators arranged the timings of online quiz competition which did not affect their regular schedule. The team provided proper information by making poster of online quiz competition and sent to principals of various engineering colleges to convey the message to their respective college students.

File Description	Documents
Best practices in the Institutional web site	**View File**
Any other relevant information	**No File Uploaded**

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Theem Maker's Vector which was started at its own earmarked premise on 31 July 2018 enabled students to carry out their innovative projects with equal attention on safety of self and machines. The workshop's liberty environment made all the projects to obtain tangible products as 'Quality Innovative Products' within the cost-conscious. This approach encouraged the budding engineers to acquire technical and professional skills and motivated to work in team the spirit of competitiveness among groups.

Here are a few of the projects accomplished in TMV (Theem Makers' Vector).

Objectives:

1. To develop problem-solving design skills in Club Competition.

2. To update students about recent technological changes in the industry.

3. To generate revenue through consultancy and enhance employment and entrepreneurial ability.

4. To offer consultancy product development services to external agencies revenue generation.

Outcomes and Achievements:

Thrust: The primary effort to achieve the innovative project goals was a success through the teams of engineering student projects.

1.Smart India Hackathon 2020

A team of 06 students (REBELZ GROUP) participated in Virtual Smart India Hackathon 2020 organized by MHRD Government of India Software Edition grand finale from 01 August 2020 to 03 August 2020.

As the very name suggests in hackathon we try to use tech to hack into real world problem to solve them better. It's a 24-72 hours product making competition where every team needs to develop a product from scratch during those pretty hours. A team size can vary from 2-6 depending on the organization who is organizing it.

Hackathons weather internal or external are events that are used to crowd source ideas. Irrespective of how many hours or days it takes, it is a platform that should give participants the freedom to collaborate and work on various hacks on a software or to collect ideas. Hackathons should

1. Foster innovation through collaboration.
2. Inspire participants to present actionable ideas.

Help participants to discover talent and creativity.

2. MEGA ATV CHAMPIONSHIP 2020-21 (Season 5 & 6)

 A team of 30 students (BLITZKRIEG GROUP) participated in MEGA ATV CHAMPIONSHIP 2021 organized by Auto Sports India in association with FMSCI in Goa, Maharashtra from 09 April to 13th April 2021. (Season 5 & 6).

Following the benefits in taking Part in Mega ATV Championship.

1. hands on experience in the design, manufacturing, components purchasing of automobiles industry in college itself
2. Improvement of project management abilities
3. How to manage money

4. **How to mingle with people and people management skill increases**
5. **Stress handling and on time completion of project with emergency situation handling skill improvement will be the List of Members (ATV Championship 2021)**

Sr.

No.

Full Name

Year

1

Vishram Milind Sadekar

BE Mech)

2

Pratik Chandrashekhar Khandkar

BE Mech)

3

Dhruv Shashank Vartak

BE Mech)

4

Parag Bhoneshwar Raut

BE Mech)

5

Akash Rohidas Ranpise

BE Mech)

6

Sanket Sandeep Jadhav

BE Mech)

7

Amit Balaso Wagharalkar

BE Mech)

8

Rohit Narayan Katkar

BE Mech)

9

Kaustubh Rajan Mhatre

BE Mech)

10

Sohel Rauf Shaikh

BE Mech)

11

Sakir Kalimuddin Shaikh

BE Mech)

12

Harshad Anil Parab

TE Mech)

13

Omkar Vijay Gawde

TE Mech)

14

Shaikh Fahad Ali

TE Mech)

15

Kartik Balkrishna Patil

TE Mech)

16

Akshay Santosh Ghadge

TE Mech)

17

Bhavik Tulsidas Tamore

TE Mech)

18

Nakib Nisar Shaikh

TE Mech)

19

Deepak Hemant Parab

TE Mech)

20

Akash Kallappa Patil

TE Mech)

21

Nitin Suhas Patil

TE Mech)

22

Sagar Anant Ombale

TE Mech)

23

Roshan Dattatray Killedar

SE Mech)

24

Vighnesh Uday Kargutkar

SE Mech)

25

Mohit Vaibhav Mahale

SE Mech)

26

Bhavesh Harishchandra Waghmare

SE Mech)

File Description	Documents
Appropriate web in the Institutional website	**View File**
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

1. In the series of National Conference "Trends N Herald in Engineering and Metamorphosis (THEEM)", the institute plans to conduct the conference THEEM-2022 in the next academic year.
2. Plans to conduct 5 days Faculty Development Program on "Recent Trends in Artificial Intelligent and Machine Learning (AIML) and its Applications" in the upcoming semester of 2021-22.
3. Plans to conduct "Students Development Program" on "AIML and its Applications" in the next academic year 2021-22.
4. Upgrading the laboratory and its facilities as per the requirement of newly sanctioned Artificial Intelligent and Machine Learning (AIML) programme.
5. The institute plans to conduct 40 hours "Technical Training Program on Python Coding" for students' hands-on practice.
6. In the process of improving ICT facilities and to have unified virtual platform for smooth conduction of teaching-learning process as well as official meet, the institute plans to implement "Microsoft (MS) Team" licensed online platform.
7. Reformation of different committees coming under the purview of Institute Innovation Council (IIC) are National Institute Ranking Framework (NIRF 22) and Atal Ranking of Institutions on Innovative Achievement (ARIIA), etc.
8. The institute arranges Automation System for students to receive online documents like "Bonafide and Internship Letter" as per their requirement through mail.
9. Plans to upgrade the automation of fees payments