YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	THEEM COLLEGE OF ENGINEERING
• Name of the Head of the institution	Dr Riyazoddin Siddiqui
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	7769916109
• Mobile No:	8379951107
• Registered e-mail	info@theemcoe.org
• Alternate e-mail	principal@theemcoe.org
• Address	Chilhar Road, Vill- Betegaon
• City/Town	Boisar (E), Dist- Palghar
• State/UT	Maharashtra
• Pin Code	401501
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated Colleges
• 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	**Dr.Emily Ghosh**
• Phone No.	**9545822792**
• Alternate phone No.	**9870927885**
• Mobile	**9870927885**
• IQAC e-mail address	**naaccord@theemcoe.org**
• Alternate e-mail address	**iqaccod@theemco.org**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://theemcoe.org/attachments/AQAR_22-23/AQAR-04.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://theemcoe.org/attachments/NAAC/2022-23/c1/1.1.2.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**2.61**	**2018**	**28/03/2019**	**28/03/2024**

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 COE	**FACULTY DEVOLPMENT PROGRAM**	**NAAC**	**2022-2023**	**30000**
THEEM COE	**IMPACT LECTURE SERIES**	**MHRD(MIC)**	**2022-2023**	**12000**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**	
• Upload latest notification of formation of	View File	

IQAC		
9.No. of IQAC meetings held during the year	**4**	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	**Yes**	
• 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?	**Yes**	
• If yes, mention the amount	**42,000 Rs.**	

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

1. Successful conduction of the two-days national level workshop "Quality Assurance in Higher Educational Institutes (HEI's) by using Open Educational Resources (OER)" sponsored by NAAC on 9th-1-th June, 2023.

2.Introduction of the honours course of Data Science to improve students' knowledge.

3. Organization of various FDPs and SDPS.

4.Conduction of International conference THEEM-2023.

5. Organization of free eye checkup camp at NSS Residential Camp in Kukade Village

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
1. In the series of Conference "Trends N Herald in Engineering and Metamorphosis (THEEM)", the institute plans to conduct an international conference THEEM-2023 in the next academic	**Successfully conducted THEEM-2023. 250 papers were received, among them 101 no of papers were selected for oral presentation and were published in the proceeding (ISBN**

year.	No.978-93-5811-637-3)
2. Plans to conduct Faculty Development Program to enhance the pedagogical skill of the staff.	No. of beneficiaries for FDP on 1.Data Science using Python- 30 , 2 Solid Works:-12.
3. To conduct "Students Development Program" on group discussion, training for interviews etc to bridge the gap between industry and education. Also to continue with the superset platform for evaluating the students.	No. of beneficiaries : 150, Conducted by Campus Credentials
4. It is plannedto conduct various activities under the purview of Institute Innovation Council (IIC).	Completed IIC 5.0
5. To apply for National Institute Ranking Framework (NIRF 22), Atal Ranking of Institutions on Innovative Achievement (ARIIA), etc.	Done
6. To start honours course on "Data Science" as per Mumbai University guidelines.	No. of students opted for the course: 29
7. A workshop on "Quality Assurance in Higher Educational Institutes (HEI's) by using Open Educational Resources (OER)"to be arranged for faculty sponsored by NAAC.	Conducted successfully and received the funding of 3000 Rs. No of participants from all over India : Over 100
8. To motivate students to take advantage of various online courses like NPTEL, SWAYAM, FOSSI etc.to increase certification	No of students Benefitted: 160 no of courses was attended, 8 no of certificates were received
13.Whether the AQAR was placed before statutory body?	**Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	06/01/2023

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	27/12/2022

15.Multidisciplinary / interdisciplinary

The main objective of NEP is to build on the education system by making it inclusive, integrated and multi-disciplinary. Theem College of Engineering is affiliated to Mumbai University and follows its guidelines and norms in both letter and spirit. In first year curriculum, Science, Technology, Engineering and Mathematics (STEM) are integrated to enhance the all-round knowledge of the students. Also final year students of all branches can choose Generic Electives from a wide spectrum of options offered at Institutional level. Furthermore in future they will be encouraged to opt for multidisciplinary projects and collaborate with students of other departments. Keeping an eye on global demands new program like Compuer Science and engineering (AIML) has been introduced, and an institute level honours program on Data Science has been introduced. The institute arranges for various seminars by eminent personalities to spread awareness among students and staff about universal human values, stress management etc.

16.Academic bank of credits (ABC):

As affiliated to Mumbai University the institute is dependent on the university to establish Academic Bank of Credits. The institute considers the implementation of ABC as a futuristic movement and is awaiting the University's implementation of ABC. However the institute is encouraging the students to register for FOSSI and National Schemes like SWAYAM, NPTEL, V-Lab etc. and earning additional credits for their technical competency.

17.Skill development:

The National Education Policy (NEP) 2020 has given special emphasis on integration of vocational education with general education and soft skill development to bridge the gap between education and industry. Our institute provides ample opportunity for students and faculty to improve their skills by arranging various FDP's and STTP's. The institute has established "Theem Makers Vector" especially for skill development and projects. The institute start-

up and innovation cell is continuously encouraging students to establish their own startups. The institute arranges regular industry-institute interaction programs so that students and faculty be benefitted from views of eminent industrials and can apply the acquired knowledge to blossom into empowered Individuals. The institution is providing value-based education to inculcate alacrity amongst the learners that nurtures humanistic, ethical, constitutional, and universal human values of truth (satya), righteous conduct (dharma), peace (shanti), love (prem), nonviolence (ahimsa), scientific temper, citizenship values, and also life-skills. The awareness is spread by regular seminars on Universal Human Values, Stress Management. Also students are taught ethical values and effective communication through the course of PCE (Professional Communication and Ethics). A large number of students take active part in NSS(National Service Scheme) which helps to improve their social skills, citizenship value and life skills. Students are also motivated to participatein extracurricular activities like sports, technical writing, cultural activities and organizing events, to explore the qualities like management skills, leadership skills, companionship, team activities, planning and enterprising skills etc. Since the path to progress is continuous, the Institute strives to attain excellence slowly but steadily.

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

India is called the 'land of diversity' because it has the richest heritage of the most religiously and ethnically diverse cultures. As a part of the NEP-2020 implementation, students are motivated to cherish and celebrate the rich cultural heritage of our country, to be able to preserve and propagate its history, traditions and values. The institute arranges different cultural activities and competitions as a part of the annual festival. To encompass students from poor, rural and tribal backgrounds, faculty uses Hindi and Marathi along with English to boost their understanding and confidence. Also they are motivated to use SWAYAM platform for learning courses of engineering in regional languages. Other than creating engineers, the mission of the institute is to produce good Indian Citizens who are ethically strong and culturally rich.

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

OBE or Outcome Based Education empowers students to choose their subject as well as life goals. It adapts to a learner's strengths and weaknesses, also furnishes abundant time to attain skill and command in the subject matter. The institute follows a curriculum with clearly stated institutes Vision & Mission, department's Vision

& Mission, Programme Outcomes (PO's), Programme Specific Outcomes (PSO's) in accordance with Course Outcomes (CO's) prescribed by Mumai University syllabi. CO's are further specified to cognitive abilities namely Remembering, Understanding, Applying, Analyzing, Evaluating and Creating as prescribed by Bloom's taxonomy. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that student contribute proactively to economic, environmental and social well-being of the nation. Institute has inculcated various innovative tools like project based learning, problem solving, ICT tools, collaborative learning, teamwork, group discussion and many more in pedagogical process. After completion of the course, all attainments of CO's, PO's and PSO's are measured and action plan is chalked out to enhance the respective attainment in the future. For every course a booklet named "Curriculum Implementation and Assessment Report(CIAR)" has been designed as a written document containing CO's, PO's, Attendance for theoretical lectures and practicals, lesson plan, exam score-sheet, course exit survey, and final attainment.

20.Distance education/online education:

In the wake of COVID-19 pandemic the education system of the whole world faced a vast change, mainly shifting to online education instead of day to day classroom activities. Not considering the lacuna of face to face learning, a surge in online education has enhanced the interaction of experts and students from various parts of the country breaking the geographical barriers. From long ago Theem College of Engineering has encouraged the usage of ICT enabled tools in the teaching learning process, as suggested in NEP as well. As a result, most of the classrooms are ICT enabled with overhead projectors and LAN connectivity. All the computer laboratories are equipped with 1:1 student to computer ratio also the computers have state-of-the-art configuration. While conducting a class, faculty members switch between PPTs and chalk and-board, as and when necessary, as all the classrooms are enabled with dual facilities. The institute also has a digital library frequently used by students and faculties. The students are encouraged for NPTEL courses and SWAYAM e-learning platform and also for FOSSI. Sensing the need for the distance education and online education, throughout the lockdown the faculty delivered lectures using Google Meet, ZOOM, Microsoft Teams etc. Practicals were conducted using the virtual labs. Also recorded videos of practical and theoretical sessions were provided to students to improve their understanding. The institute also have arranged a workshop on Open Educational Resources to promote the facilities of online education as suggested by NEP.

Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	**7**

File Description	Documents
Data Template	View File

2.Student	
2.1 Number of students during the year	**1003**

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	**68**

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**282**

File Description	Documents
Data Template	View File

3.Academic	
3.1 Number of full time teachers during the year	**87**

File Description	Documents
Data Template	View File

3.2 Number of Sanctioned posts during the year	87

File Description	Documents
Data Template	<u>View File</u>

4.Institution

4.1 Total number of Classrooms and Seminar halls	36
4.2 Total expenditure excluding salary during the year (INR in lakhs)	363.3
4.3 Total number of computers on campus for academic purposes	656

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 so it follows the curriculum prescribed by the university. The effectiveness of the curriculum is measured in terms of Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (Cos).

Teaching-Learning Process is planned with an academic calendar, time table and semester plan for effective delivery of lectures, practicals and tutorials. In case of any shortcoming in it, the necessary remedial work is carried out with the coordination of staff and students.

Development/Planning:

1) For effective teaching-learning process, HODs submit semester plans to the Principal well in advance for upcoming semester's subject allocation and load distribution in Curriculum Implementation and Assessment Report (CIAR).

2) Before the commencement of the semester the Institute academic calendar is referred to prepare the departmental time-table.

3) Each faculty maintains CIAR, subject file and Mentor-Mentee file with planning and completion of it.

Deployment/Implementation:

1) Lectures and practicals are executed as per the semester plan and time-table and evaluated by IQACwith the help of HOD and concerned senior subject teacher.

2) The faculty members try to achieve PEOs, POs and COs of respective programmes.

3) The institute improves the teaching-learning process through stakeholder's feedback.

File Description	Documents
Upload relevant supporting document	[View File]()
Link for Additional information	https://theemcoe.org/attachments/NAAC/2022-23/c1/1.1.1.pdf

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

At the beginning of the academic session, in the odd semester, the Academic Calendar is prepared by the Principal with HOD's consultation, and includes different activities planned for the semester. The head of the department can only incorporate minor changes in it. In this Academic Calendar, guidelines have been developed for conducting activities based on learning outcomes and the same was 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	https://theemcoe.org/attachments/NAAC/2022-23/c1/1.1.2.pdf

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

7

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

472

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

472

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

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 some enrichment programmes relevant to Professional Ethics with Human Values, Gender and Environmental

Sustainability with all round development within the academic.

1. **Professional Ethics:** Students are offered courses on Professional Communication Ethics(I and II)to equip them with necessary soft skills for prospective future professions.

2. **Gender Sensitivity:** There are numerous gender sensitivity activities such as celebration of International Women's Day and Women's marathon that allow students to interact with real-life circumstances, Gender sensitization activities conducted under Women Empowerment and Grievance Redressal Cell (WEGRC) and National Service Scheme (NSS).

3. **Human Values:** NSS team organizes activities such as celebration of International Yoga Day, Constitution Day, Khadi Day, Swachhata Abhiyan, Road Safety Drive, Blood Donation Camp, Organ Donation Training etc., awareness programmes, workshops on social concerns and development activities taken up by students and faculty members.

4. **Environment studies:** There are courses such as Disaster Management and Mitigation Measures, Industrial Waste Treatment, Solid and hazardous Waste management and Environment Managementin the curriculum. Also celebrated National Energy Conservation day, National Pollution Control day, Engineer's Day etc under IIC. A variety of activities, such as tree plantation, beach cleaning were conducted along with thestudents under NSS to raise awareness about environmental and sustainability issues.

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

43

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	View File
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

808

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	https://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

462

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

68

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

Method of assessing the learning levels (advanced learners and slow learners) of the students:

- From the performance in a diagnostic test conducted of the newly admitted first year engineering students during the first-year orientation program and further based on mid-term and end-term test performance
- For second year onwards students, analyzed by their previous year university examination results and further based on mid-term and end term test performance
- From the enthusiasm shown in their participation in co-curricular events
- From the sincerity in attending and consistency in performing practical sessions which is evaluated on a continuous basis

Organizes special programs for slow learners:

- Conducting additional lectures for difficult courses for academically weak students to bring them at par with the others before commencement of first semester
- Conducting remedial lectures or practical sessions for students who are likely to fail, for improving their academic performance
- Communicating their academic performance to parents in parents-meet and seeking their support in resolving the difficulties of the students

Organizes special programs for advanced learners:

- The institute encourages advanced learners for 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 motivated to prepare for the entrance examination (GATE, GRE TOEFL, MAT etc.) to pursue higher studies. Prizes are awarded to class-toppers at the annual gathering ceremony

File Description	Documents
Link for additional Information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.2.1.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
1003	**87**

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

To enhance student involvement, the Institute implements student-centric teaching-learning such as:

1. **Experiential Learning: -**

- **Departments organize the industrial visits, Internship Program or Field Projects in industry to get hands and provide exposure to industrial work culture**
- **Guest lecture by eminent experts from industry and academics are organized to supplement the teaching process**
- **Laboratories are conducted in subjects where students can verify the facts and laws of the subject with the help of experiments.**
- **The institute has teaching-learning aids such as ICT, SMART Classrooms and Audio-video lab for delivering the contents to enhance learning experiences**
- **Certification Courses are conducted**
- **The digital library, online journals, NPTEL video lectures, SWAYAM online courses help students to experience self-learning and advanced learning.**

1. **Participatory Learning: -** Students are motivated to participate in various activities such as

- Seminar, group discussion, mock viva, projects review

- NSS activities- to learn Art of living in a team for Social and community welfare.
- Annual Tech Fest- Students participating in various technical events
- Presentation and publishing of papers in conferences and journals - to learn and imbibe new skills

1. **Problem-solving methods:**

- Giving Assignments, Tutorials, Quiz, Question Bank with solution, Hand written and printed notes, Course Exit Survey etc.

- Counseling through mentor mentee process for learning difficulties

- Motivate students to join NPTEL courses

Organizes expert lectures, workshops, seminars, group discussion to supplement the teaching process

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.3.1.pdf

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

The institute teachers used Information and Communication Technology (ICT) in education to support, enhances, and optimizes the delivery of education.

The ICT tools are used by the Institute –

1. 33 projectors are available in different classrooms/labs
2. Desktop, Printers and Scanners are arranged at Computer Lab and HOD Cabins in all over the campus.

3. **03 seminar halls are equipped with all digital facilities with mike, projector, cameras and computer system**
4. **02 Smart Classroom are available in the campus**
5. **Wi-Fi facility is available in the campus to access internet facility.**

Use of ICT By Faculty-

1. **Teachers uses power-point presentations by using LCD projectors and Smart Classroom in their teaching where NPTEL Video, Virtual labs, Simulation tools are made available that help students.**
2. **Seminar and Conference room are equipped with ICT tools, where guest lectures, expert talks and various competitions are regularly organized for students.**
3. **Faculties prepare online quiz for students with the help of GOOGLE FORMS.**

Teachers use online e-leaning platforms such as Google Classroom, Microsoft Team are used for uploading lesson plans, question bank, notes, assignments, tutorials etc.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.3.2.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

46

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

87

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

487

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), 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) after completions of term for verification of their marks.
- Internal test examination schedules as per the of academic calendar of university. 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
- Marks obtain in test are communicated within a week through the Online e-leaning 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 by the concerned teachers.
- 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.

Student progress and evaluation process are communicated to their parents in parent-teacher meet.

File Description	Documents
Any additional information	View File
Link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.5.1.pdf

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

- The internal assessment and evaluation system adopted by our institute is transparent and is as directed by the University.
- The internal examinations schedules as per the university academic calendar and communicated to the students well in advance.
- Evaluation is done by the course handling faculty members

within three days from the date of examination.
- The corrected answer scripts are randomly verified by HOD to ensure the standard evaluation process.
- Result of internal examination is communicated to the students through online platforms and departmental notice board
- For internal examination, 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.

The queries related to results, corrections in mark sheets, other certificates issued by university are handled at University examination cell after forwarding such quires through the college examination cell. Students are allowed to apply for revaluation, recounting and challenged evaluation by paying necessary processing fee to university if they are not satisfied with the university evaluation through college

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.5.2.pdf

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 adopts Outcome based education and 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:

1. Graduate attributes are described to the first year and direct second year students at the Orientation Program
2. Course Outcomes are described by the teachers during the introduction of the subject to the students.
3. Learning Outcomes are available in the departments for ready reference to the teachers and students in the Hard Copy of syllabus.
4. Workshops have also been conducted on Outcome Based Education for the new faculty to understand the method of attainment of

        leaning outcomes.
5. Teachers and students are aware of the stated Programme and Course Outcomes of the programmes through various means such as display and/or communication specified here under.

   - College Website (on departmental page)
   - Display boards at entrance and corridors of the respective departments
   - Lab-manuals
   - Student's Journals
   - Departmental files
   - Department laboratories
   - Faculty meetings
   - Classrooms

Curriculum Implementation and Assessment Report (CIAR)

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.6.1.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), and Course Outcomes (COs) starts from first year and continue up to final year. Mapping of COs to POs is done in CO-PO matrix. Mapping levels decide contribution of the COs to achieve POs. The achievement of COs is correlated with the measure of appropriate POs

The assessment of COs comprises the evaluation of student performance in his/her course. The POs are assessed with the help of COs of the relevant courses. The assessment tools used for the attainment of each CO are

1. Direct Method: In direct method of assessment, the performance of students in tests, assignments, tutorials, laboratories, quiz, projects, as well as oral/practical and semester theory examinations is used to compute the level of attainment. 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: The feedback is collected from students at 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. This attainment level for particular course is set based on the University previous results of 3-4 years of that course.

Finally, "Programme Level Course-PO Matrix" is prepared from the attainments of POs through all the courses in four years. From the "Programme Level Course-PO Matrix" the attainment of each PO in particular academic year is computed.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.6.2.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

223

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://theemcoe.org/attachments/NAAC/2022-23/c2/2.6.3.2.pdf

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)

https://theemcoe.org/attachments/AQAR_22-23/2.7.1-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)

6.36

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

3

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://naac.gov.in/index.php/en/,https://iic.mic.gov.in/

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

26

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

7

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

95

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

The institute considersits utmost priorityto workforthe betterment of the society and believes in returning what weget from it via means of organizing the numerous programs to be aware of socialissues for which we encourage theStudents to take part in various extension activities organized by institutethrough various cells. Total thirty-two activities were conducted under the extension category with active and huge participation from the students and staff.

- NSS cell organized various activities like Independence Day which was celebrated as Azaadi ka Amrit Mahotsav celebrating 75th years of Independence with activities like Har Ghar Tiranga, Rangoli competition and Singing competition impacting the importance of patriotism in every individual. Swachhata Bharat Abhiyan was held in Maan and College campus giving us the message of importance of cleanliness. Women's Day was celebrated through various activities like Women's awareness, poster making and rangoli competition.

- WEGR cell actively works for women's empowerment and to bring girl child students to the forefront. They organize various activities on International's Women's Day like the Women's Marathon to make women more fearless.

- IIC cell organized a seminar on World Environmental Day and National Pollution Day-Cyclothon.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c3/3.3.1.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

07

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

32

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

1996

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

13

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

13

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.

The infrastructure of the institute is well-organized and effective teaching-learning processes with as per the norms of AICTE, DTE and University of Mumbai.

Classroom facilities: The classrooms are well-furnished with ICT enabled and enable teachers to adopt suitable teaching-learning methods. They use online resources, virtual labs, animation videos, etc. to organize lectures.

Laboratory Facilities: All laboratories are well-equipped with their respective subject prerequisites for hands-on practice and are constantly upgraded. 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.

Workshop Facilities: There are two workshops: IC Engines, Lathe Machines, Carpentry and welding equipment and Theem Makers Vector.

Computer Equipment Facilities: The organization helps to develop self-learning through small-scale projects and other vocational training and industrial tours. The Institute also focuses on enriching the curriculum by conducting the Industry Institute Interaction Program (IIIP).

The institute has bus facility, boys' and girls' common rooms, medical rooms, 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	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.1.1.pdf

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

Sports Activities: The organization has green and sand playgrounds for intra and inter-college level outdoor sports and sports activities.

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.

Gymnasium, Yoga and Meditation Centre: 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.

Medical Room: The organization has medical emergency support facilities along with necessary medical aid.

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.

This year conducted the cultural activities like Mehndi Competition, Poster painting competition, rangoli competition, fashion show, drama club, Fate event, Nail art, waste out of best, cook without fire, Dance contest, singing (solo and duet) along with this some days also celebrated as Traditional day, Bollywood day, Mismatch day, Group day, Matching day.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.1.2.pdf

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

36

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

36

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.1.3.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)

45.97

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)

The central library has SOUL software it is a state-of-the-art Integrated Library Management Software developed by INFLIBNET. It is user-friendly software developed to work in a client-server environment.

The SOUL3.0 Modules are as follows:

1. Acquisition: Main task of the LIS staff is to input the suggestions/recommendations received, into the system along with the name of the person who has requested for.
2. Catalogue: Cataloguing is the most important module of the LMS from the point of view of retrieval of information.
3. Circulation: The Circulation module deals with all operation related to library members i.e., creation, deletion and modification of members.
4. Serial control: The Serial Control module is designed to facilitate the creation and maintenance of an article indexing database.
5. Online public Access Catalogue (OPAC): The OPAC has simple and advanced search facility with the basic information for each item including author, title, corporate body, conference name etc regarding the item.
6. Administration Module: SOUL 3.0 as per the inputs from the various SOUL users and the requirements of the library staff. The module has been divided into three major sub modules for accommodating the new features.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.2.1.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)

2.73

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

203

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

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.

- The internet bandwidth has been updated frequently since 2013 from 2Mbps to100 Mbps.
- The Software is updated as per the market trend change requirements.
- 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.
- The Mechanical, Automobile-Civil, Computer-IT, and AIML-Electrical departments now have 19 TP-LINK N300 Wi-Fi Routers.

- Upgraded to online UPS in 2020 for better backup & sustainability.
- New 75 Computers of Configurations i5 Processor, 500 GB SSD and 8 GB RAM are added.

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	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.3.1.pdf

4.3.2 - Number of Computers

656

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)

`363.3`

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.

The institute's marvelous infrastructure is under the centralized management and maintenance team, department and a lab in-charge maintain utilization and dead stock register.

Maintenance Policy:

- **Computer Maintenance: The institute follows an "In-house**

Automated Online Maintenance System." This system informs the technical team and maintains a record of the complaint till its resolution.

- General Maintenance: The upkeep of campus infrastructure is carried out by experienced, dedicated teams. A centralized maintenance register is available at the storehouse.

- Preventive Maintenance: The centralized maintenance register supervisor keeps records of periodic maintenance work and resolves issues from time to time to ensure smooth functioning of equipment and machines. Stainless steel and wooden furniture are maintained prior to the beginning of odd and even semesters.

- Housekeeping: The housekeeping team will attend to the maintenance of the campus as well as the garden.

- Electrical Maintenance: The electrical maintenance team conducts a maintenance drive of all power utilities twice a year prior to the examination.

- Sports Complex Maintenance: The contemporary sports committee maintains indoor and outdoor sports stationary. It identifies and verifies the suitability of sports stationary for sports activities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.4.2a.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

609

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

55

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

A. All of the above

File Description	Documents
Link to institutional website	https://theemcoe.org/attachments/NAAC/2022-23/c5/5.1.3.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

150

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

150

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

145

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

01

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

01

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.

15

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)

The Student Council (SC) at Theem College of Engineering plays a vital role in representing and enhancing the student experience. The SC is formed every year in accordance with the rules and regulations of the University of Mumbai. The Objectives of SC to develop students' personalities, organizational skills, and career opportunities ,to provide a platform for students to express their opinions regarding their studies and suggest campus improvements and teach them how to represent the institute at the university level. The Structure of SC General Secretary(GS), Deputy General Secretary, Sports Secretary, Cultural Secretary, Technical Secretary, Student Members and Coordinators.

The college is Organize annual function, "Jashn-e-Theem," and various activities, including Technical, Cultural, and Sports events. The SC is handle anchoring and stage management for the each and every event.Some students are also enrolled in other committees, such as NSS, College Magazine, E-Newsletter, Anti-ragging, Women Empowerment, and Grievance Redressal Cell. These committees deal with academic activities, student welfare, anti-ragging, and other campus-related issues.

Institute Innovation Council (IIC) Organizes activities like workshops and days celebrations on topics related to innovation and entrepreneurship and its aims to inspire and motivate students towards innovation, research, and entrepreneurship.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c5/5.3.2.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

61

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

Theem College of Engineering has registered Alumni Association, formed on dated 15-12-2018 with the registration number MAH/2139/2018/Thane,with 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 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. They give their suggestions through feedback to enrich the teaching-learning process 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.

The alumni's contribution in financial and non-financial resources supports to fulfill the objectives. The Association has started collecting the financial contribution from alumni and the same is deposited in its bank account. The non-financial contributions of alumni are expert lecture, seminar, workshop, guest lecturer and inculcate to students for industry oriented projects and career planning etc.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c5/5.4.1.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

THEEM COE has a well-defined goal and mission statement. The institute has also implemented several measures to support the professional development of its students and staff in keeping with its aim to produce responsible technical professionals with the assistance of qualified and committed educators. The institute views its own development as well as that of all of its stakeholders from all angles. In order to develop and assess teaching and learning methods, curriculum design, social outreach activities, and industry-

oriented programs, a feedback system is in place that solicits input from parents, employers, alumni, and students. Broad institutional objectives that THEEM COE has stated include:

1. Empowerment of its stakeholders (Faculty, students, employers, alumni)

2. Increased Industry interactions through training, placement and consultancy

3. Conducting impactful research through its research centers and encouraging technology transfer

4. Creating social, moral, environmental awareness by following best practices such as recycling, using renewable sources or energy, value education, community service etc.

5. THEEM COE prioritizes automation, faculty appraisal, feedback, transparency, policy framing, knowledge sharing, and action implementation to enhance governance, allowing faculty and students to focus on teaching, learning, and research.

File Description	Documents
Paste link for additional information	https://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 CDC, 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.

Case Study of 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.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.1.2.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 prepare and follow the perspective / Strategic plan to cope with the dynamic changes and meet the long-term goals of the organization. Regular feedback and discussions with the different stakeholders help us in developing our strategic plans. These plans are reviewed and revised as required to achieve academic excellence through IQAC.

The summary of strategic plan deployed in AY 2022-23 is as follows:

1. **Educational Process:**

   - **Student-centric outcome-based teaching-Learning**
   - **Participation in NIRF**
   - **Academic Audit**
   - **Mentor-Mentee System**
   - **Implementation of CIAR**

1. **Governance:**

- Implementation of ERP solution
- Various committees involving all stakeholder in decision making
- Regular financial audit to ensure optimum fun utilization

1. Research and Development:

- "Trends N Herald in Engineering and Metamorphosis (THEEM)2023" National Conference conducted
- MOUs with Industries to enhance industrial and research collaboration
- Encouraged interdisciplinary research
- Various FDPs and SDPs conducted

1. Physical Resources:

- Infrastructure augmentation done for newly added B.E Program namely CSE (AIML)
- Timely upgradation and Maintenance of Labs being monitored
- Maintenance of Green Campus for environment friendly work space

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.2.1.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 activities such as workshop on "Women's Safety" and poster making competition on "Gender Equality Today for a Sustainable Tomorrow" were successfully conducted.

From the "Women's Safety" activity, the cell trained girl students and staff to become physically fit by practicing a few martial arts:

striking arts, joint lock arts, throwing arts, etc. and emotionally fit by various types of yoga: physical postures, breathing techniques and meditation or relaxation. This type of practice helped them to promote mental and physical well-being as well as to protect themselves and others too.

The importance for women to be safe has been educated through the following points:

1. Women have the right to be free from removing the barriers of an unsafe environment.
2. Women must be able to protect themselves against violence, harassment and discrimination.
3. This kind of environment helps women fulfil their potential and they can contribute to work, communities and economics of the world.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.2.2a.pdf
Link to Organogram of the Institution webpage	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.2.2b.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

Institute understands that faculty is the backbone of the educational system. Therefore the skill sets and the core competency of faculty are required to be upgraded on a regular basis. The Institute encourages faculty and staff members for acquiring the latest skills by supporting them to attend various programs and has a sponsorship fee reimbursement scheme for STTP/Workshop/Trainings/Professional Membership. The institute also reimburses travel costs for faculty for travelling to conferences outside of state as and when required. The Institute facilitates various soft-skills training programs for teaching and non-teaching staff members. The Institute recognizes the need for continuous qualification upgradation. Institute motivates and supports faculty members for acquiring higher degrees from renowned and accredited Universities.

Welfare Schemes for Teaching Staff are: EPF, Gratuity, and Travel Grants for attending, Permission for Qualification Upgradation etc

Welfare Schemes for Non-Teaching Staff are: PF, Gratuity, and Permission for Qualification upgradation etc.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.3.1.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

124

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

14

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
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 Template)	View File

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

134

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
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 system measures 80% of the faculty's performance, with additional marks added by the Head of Departments (HODs). The Principal evaluates the staff portfolio, oversees punctuality, and prepares a staff Performance Indicator Chart for management. This system motivates faculty to enhance their

competency through self-learning and research.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/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	https://theemcoe.org/attachments/NAAC/2022-23/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)

13.6

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 budget systems for departments and cells, managing financial resources within available resources. Departmental budgets cover lab upgrades, staff upgradation, workshops, seminars, alumni meetings, and other events. The Principal reviews budgets, and a final draft is prepared 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	https://theemcoe.org/attachments/NAAC/2022-23/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 teaching learning process through CIAR, the level of transformation and holistic development of students by Mentor mentee Report and academic infrastructure and staff knowledge enhancement with the adoption of research culture through department audit report. To achieve the quality enhancement, the some of thebest practices initiated by theIQAC are:

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

Case Study of Mentor-Mentee System

The Mentor-Mentee Report records student details, helping mentors assess and counsel students based on test performance. It advises twice-a-semester meetings for remedial and bridge courses. Each mentor maintains 20 mentees, and in the second year, the report is transferred to a branch mentor who supports students through additional learning assignments and project-based learning. This continuous counselling promotes holistic student improvement.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/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 conducts a bi-annual academic audit, led by a cross-domain team of professors, to evaluate curriculum planning, teaching-learning, research culture, student participation, and departmental extension activities.

The IQAC is implementing a Curriculum Implementation and Assessment Report (CIAR) to strengthen curriculum implementation and guide reforms. The institute is also utilizing ICT classrooms, such as animation, PowerPoint presentations, and video lectures, to encourage participative learning and student feedback.

The IQAC's second reform aims to foster research culture among faculty and students through project-based learning through an ecosystem including research and development, Theem Makers' Vector, Entrepreneurship, Start-up Cell, and excellence centers.

The IQAC convenes twice or three times for reforms and quality monitoring, with the strategic plan aiming to review academic quality and address gaps.

The IQAC evaluates the institute's SWOC, highlighting its strengths like state-of-the-art laboratories, employability enhancement initiatives, and pollution-free campus. However, it faces challenges in promoting employability, entrepreneurship, research, and faculty retention, despite its urban industrial location.

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	https://theemcoe.org/attachments/NAAC/2022-23/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)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.5.3b.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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. Women Empowerment and Grievance Cell (WEGRC) deals with issues of girls and woman staff.

The WEGRC in association with IQAC, IIC and NSS of Theem College of Engineering, has organized a workshop on "Women safety" on occasion of International Women's day 8th march 2023 to spread awareness among girl students about their safety. The Speaker of the session Mr. Suresh Salunkhe, Assistant Police Inspector Boisar police station briefed girl students that society is very much concerned about women safety but most women should make herself strong physically and mentally to face challenges. He also briefed thatpolice department is always there to implement law and order. In total 59 girl students and 8 faculty members were present during the workshop.

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.

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	https://theemcoe.org/attachments/NAAC/2022-23/c7/7.1.1a.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	https://theemcoe.org/attachments/NAAC/2022-23/c7/7.1.1b.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	View File

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. The 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	https://theemcoe.org/attachments/NAAC/2022-23/c7/7.1.3.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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

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**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

A. Any 4 or all 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	**No File Uploaded**
Any other relevant information	View File

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

A. Any 4 or all of the above

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	View File

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).

We have Celebrated National Unity day (Rastriya Ekta Diwas) on 31 Oct. 2022 at College premises under 75th "Azadi ka Amrut Mohatsav".

Activity:

1. On this occasion the NSS unit of Theem COE organized "RUN" programme.

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.

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 Constitution of India .As a part of development of the country's environment as greenery, we do plant saplings on the Republic Day.

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	View File

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

1. Activity: CELEBRATION OF Constitution Day on 26/11/2022

Objective of Activity: To celebrate the Constitution Day (Samvidhan Diwas)

Organized by: Ministry of Education, Department of Higher Education, New Delhi

Agenda of Activity:

1. To commemorate the adoption of the Constitution of India as Jan Bhagidari

2. To honour and acknowledge the contribution of Founding Fathers of the Constitution.

Execution:-

1. NSS Volunteers taken pledge on Our Indian Constitution (Samvidhan)

2. They got the Certificates.

2. 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.

3. 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".

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

A. All 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	[View File](#)

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

Celebration of birth anniversary of Mahatma Gandhiji and Commemoration of International Day of Non-Violence on 2" October 2022, organized by: N.S.S Volunteers, Theem college of Engineering by 12:00 p.m.

- **Activity: "Gandhi Jayanti"**

Objective of Activity:

To celebrate "Gandhi Jayanti" and understand the importance of Non-Violence.

Agenda of Activity:

1. To create awareness among the college students about "Non-Violence."

2. To know the importance of Non-Violence in day-to-day life.

Execution:

1. Our NSS Volunteers had arranged pledge in all classes.

- Activity: "Hindi Diwas"

Objective of Activity: To Celebrate "Hindi Diwas" & to know the importance of Hindi Language on dated 14/09/2022 organized by: N.S.S Volunteers, Theem college of Engineering at 11:00 a.m.

- Activity: "Road Safety Drive"

Objective of Activity: To conduct "Read safety Drive" with STS Honda for College Students on dated 15/09/2022 organized by: STS Honda and N.SS Volunteers.

Execution: 1. Our NSS volunteers had arranged a Road safety Drive with STS Honda Mr. Swapnil Jawharkar, Honda Motorcycle & Scooter India Pvt. Ltd. (HMSI) the trainer digitised three sessions, Theory, Demonstration, and Practical every day.

- Activity: Har Ghar Tiranga Rally on dated 10/08/22.

Objective of Activity: To celebrate the 75th azadi ka amrit mahotsav Organized by: - N.S.S. Volunteers, Theem college of Engineering with Boisar Police Department.

Agenda of Activity:1. through rally create awareness about HAR GHAR TIRANGA under "75th Azadi ka Amrit Mahotshav".

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	View File

7.2 - Best Practices

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

The Institute encourages students and faculty to perform in multiple domains. We have identified the following Best practices as per our strength.

1. Transform student's project into paper publication.

Outcomes: Theem College of Engineering (Theem COE) have initiated a step ahead to conduct InternationalConferences in the campus under the name of THEEM-2023 (Trends and Herald in Engineering Excellence and Metamorphosis). The conference received various research papers in multiple specializations from the industries and Academic Backgrounds.

2. Awareness campaign for utilization of Open Source Software in higher education.

Outcomes: To identify the awareness of open source software among students and faculties.

3. Industry Institute Interaction.

Outcomes: Theem College of Engineering (Theem COE) had an initiative to organize various activities under Industry Institute Interaction cell for the students and faculties. The Industrial Experts lectures, Alumni talks, Industrial Visits, Internships etc are organized.

4."Counselling and Career guidance - for Secondary and Higher Secondary Students".

Outcomes: To teach information of specialized instruction and career alternatives to the school understudies.

5. Junior Scientist Program for local Schools of Boisar region.

Outcomes: To promote interest in science and technology.

Best practices are those which add value to human life and support the main cause of an Institution. Moreover, this is one of the greatest events conducted by Theem College of Engineering which will motivate the students for achieving their future goals.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

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 an earmarked premises near botanical garden was inaugurated by Mr. S. P. Nadkarni, General Manager, Home Fabrics (Works Administration) D'Decor Pvt. Ltd. Boisar on 31 July 2018.Theem Makers Vector is equipped with workshop machines, tools, and equipment for enabling students to carry out their innovative projects, projects seeking patent and intercollegiate competitive with equal attention on safety of self and machines. The workshop's liberty and environment encourage students to invent a Quality Innovative Products with cost- consciousness. This approach encourages budding engineers to acquire technical and professional skills.

Objectives:

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

2. To encourage students to think innovative.

3. To enhance entrepreneurial and employability skills.

Outcomes and Achievements:

   1. 15 groups participated and presented their projects in Project

exhibition 2023 and winners were awarded with certificates.

2. Total 16 Teams have participated in the internal Hackathon for SIH 2023 out of which 15 teams are shortlisted and will be nominated for SIH 2023.

3. The International conference THEEM-2023 received more than 200 research papers of various areas of specialization from UG and PG students out of which 101 papers were selected by the publication committee and are accepted to present their papers in international conference THEEM-2023 out of which there was a selection of the best paper presentation of each track which was awarded with certificates.

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 so it follows the curriculum prescribed by the university. The effectiveness of the curriculum is measured in terms of Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (Cos).

Teaching-Learning Process is planned with an academic calendar, time table and semester plan for effective delivery of lectures, practicals and tutorials. In case of any shortcoming in it, the necessary remedial work is carried out with the coordination of staff and students.

Development/Planning:

1) For effective teaching-learning process, HODs submit semester plans to the Principal well in advance for upcoming semester's subject allocation and load distribution in Curriculum Implementation and Assessment Report (CIAR).

2) Before the commencement of the semester the Institute academic calendar is referred to prepare the departmental time-table.

3) Each faculty maintains CIAR, subject file and Mentor-Mentee file with planning and completion of it.

Deployment/Implementation:

1) Lectures and practicals are executed as per the semester plan and time-table and evaluated by IQACwith the help of HOD and concerned senior subject teacher.

2) The faculty members try to achieve PEOs, POs and COs of respective programmes.

3) The institute improves the teaching-learning process through stakeholder's feedback.

File Description	Documents
Upload relevant supporting document	[View File]()
Link for Additional information	https://theemcoe.org/attachments/NAAC/2022-23/c1/1.1.1.pdf

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

At the beginning of the academic session, in the odd semester, the Academic Calendar is prepared by the Principal with HOD's consultation, and includes different activities planned for the semester. The head of the department can only incorporate minor changes in it. In this Academic Calendar, guidelines have been developed for conducting activities based on learning outcomes and the same was 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	https://theemcoe.org/attachments/NAAC/2022-23/c1/1.1.2.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum	B. Any 3 of the above

| development and assessment of the affiliating University and/are represented on the following 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)

7

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

472

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

472

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

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

1. **Professional Ethics: Students are offered courses on Professional Communication Ethics(I and II)to equip them with necessary soft skills for prospective future professions.**

2. **Gender Sensitivity: There are numerous gender sensitivity activities such as celebration of International Women's Day and Women's marathon that allow students to interact with real-life circumstances, Gender sensitization activities conducted under Women Empowerment and Grievance Redressal Cell (WEGRC) and National Service Scheme (NSS).**

3. **Human Values:** NSS team organizes activities such as celebration of International Yoga Day, Constitution Day, Khadi Day, Swachhata Abhiyan, Road Safety Drive, Blood Donation Camp, Organ Donation Training etc., awareness programmes, workshops on social concerns and development activities taken up by students and faculty members.

4. **Environment studies:** There are courses such as Disaster Management and Mitigation Measures, Industrial Waste Treatment, Solid and hazardous Waste management and Environment Managementin the curriculum. Also celebrated National Energy Conservation day, National Pollution Control day, Engineer's Day etc under IIC. A variety of activities, such as tree plantation, beach cleaning were conducted along with thestudents under NSS to raise awareness about environmental and sustainability issues.

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

43

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	View File
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

808

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	https://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

462

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

68

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

Method of assessing the learning levels (advanced learners and slow learners) of the students:

- **From the performance in a diagnostic test conducted of the newly admitted first year engineering students during the first-year orientation program and further based on mid-term and end-term test performance**
- **For second year onwards students, analyzed by their previous year university examination results and further based on mid-term and end term test performance**
- **From the enthusiasm shown in their participation in co-curricular events**
- **From the sincerity in attending and consistency in performing practical sessions which is evaluated on a continuous basis**

Organizes special programs for slow learners:

- **Conducting additional lectures for difficult courses for academically weak students to bring them at par with the others before commencement of first semester**
- **Conducting remedial lectures or practical sessions for students who are likely to fail, for improving their academic performance**
- **Communicating their academic performance to parents in parents-meet and seeking their support in resolving the difficulties of the students**

Organizes special programs for advanced learners:

- **The institute encourages advanced learners for 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 motivated to prepare for the entrance examination (GATE, GRE TOEFL, MAT etc.) to pursue higher studies. Prizes are awarded to class-toppers at the annual gathering ceremony

File Description	Documents
Link for additional Information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.2.1.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
1003	87

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

To enhance student involvement, the Institute implements student-centric teaching-learning such as:

1. Experiential Learning: -

- Departments organize the industrial visits, Internship Program or Field Projects in industry to get hands and provide exposure to industrial work culture
- Guest lecture by eminent experts from industry and academics are organized to supplement the teaching process
- Laboratories are conducted in subjects where students can verify the facts and laws of the subject with the help of experiments.
- The institute has teaching-learning aids such as ICT, SMART Classrooms and Audio-video lab for delivering the contents to enhance learning experiences

- Certification Courses are conducted
- The digital library, online journals, NPTEL video lectures, SWAYAM online courses help students to experience self-learning and advanced learning.

1. Participatory Learning: - Students are motivated to participate in various activities such as

- Seminar, group discussion, mock viva, projects review

- NSS activities- to learn Art of living in a team for Social and community welfare.
- Annual Tech Fest- Students participating in various technical events
- Presentation and publishing of papers in conferences and journals - to learn and imbibe new skills

1. Problem-solving methods:

- Giving Assignments, Tutorials, Quiz, Question Bank with solution, Hand written and printed notes, Course Exit Survey etc.

- Counseling through mentor mentee process for learning difficulties

- Motivate students to join NPTEL courses

Organizes expert lectures, workshops, seminars, group discussion to supplement the teaching process

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.3.1.pdf

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

The institute teachers used Information and Communication Technology (ICT) in education to support, enhances, and optimizes the delivery of education.

The ICT tools are used by the Institute –

1. 33 projectors are available in different classrooms/labs
2. Desktop, Printers and Scanners are arranged at Computer Lab and HOD Cabins in all over the campus.
3. 03 seminar halls are equipped with all digital facilities with mike, projector, cameras and computer system
4. 02 Smart Classroom are available in the campus
5. Wi-Fi facility is available in the campus to access internet facility.

Use of ICT By Faculty-

1. Teachers uses power-point presentations by using LCD projectors and Smart Classroom in their teaching where NPTEL Video, Virtual labs, Simulation tools are made available that help students.
2. Seminar and Conference room are equipped with ICT tools, where guest lectures, expert talks and various competitions are regularly organized for students.
3. Faculties prepare online quiz for students with the help of GOOGLE FORMS.

Teachers use online e-leaning platforms such as Google Classroom, Microsoft Team are used for uploading lesson plans, question bank, notes, assignments, tutorials etc.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.3.2.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

46

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

87

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

487

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), 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) after completions of term for verification of their marks.
- Internal test examination schedules as per the of academic calendar of university. 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
- Marks obtain in test are communicated within a week through the Online e-leaning 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 by the concerned teachers.
- 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.

Student progress and evaluation process are communicated to their parents in parent-teacher meet.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://theemcoe.org/attachments/NAAC/2022 -23/c2/2.5.1.pdf

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

- **The internal assessment and evaluation system adopted by our institute is transparent and is as directed by the University.**
- **The internal examinations schedules as per the university academic calendar and communicated to the students well in advance.**
- **Evaluation is done by the course handling faculty members within three days from the date of examination.**
- **The corrected answer scripts are randomly verified by HOD to ensure the standard evaluation process.**
- **Result of internal examination is communicated to the students through online platforms and departmental notice board**
- **For internal examination, 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.**

The queries related to results, corrections in mark sheets, other certificates issued by university are handled at University examination cell after forwarding such quires through the college examination cell. Students are allowed to apply for revaluation, recounting and challenged evaluation by paying necessary processing fee to university if they are not satisfied with the university evaluation through college

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://theemcoe.org/attachments/NAAC/2022 -23/c2/2.5.2.pdf

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 adopts Outcome based education and 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:

1. Graduate attributes are described to the first year and direct second year students at the Orientation Program
2. Course Outcomes are described by the teachers during the introduction of the subject to the students.
3. Learning Outcomes are available in the departments for ready reference to the teachers and students in the Hard Copy of syllabus.
4. Workshops have also been conducted on Outcome Based Education for the new faculty to understand the method of attainment of leaning outcomes.
5. Teachers and students are aware of the stated Programme and Course Outcomes of the programmes through various means such as display and/or communication specified here under.

- College Website (on departmental page)
- Display boards at entrance and corridors of the respective departments
- Lab-manuals
- Student's Journals
- Departmental files
- Department laboratories
- Faculty meetings
- Classrooms

Curriculum Implementation and Assessment Report (CIAR)

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.6.1.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), and Course Outcomes (COs) starts from first year and continue up to final year. Mapping of COs to POs is done in CO-PO matrix. Mapping levels decide contribution of the COs to achieve POs. The achievement of COs is correlated with the measure of appropriate POs

The assessment of COs comprises the evaluation of student performance in his/her course. The POs are assessed with the help of COs of the relevant courses. The assessment tools used for the attainment of each CO are

1. Direct Method: In direct method of assessment, the performance of students in tests, assignments, tutorials, laboratories, quiz, projects, as well as oral/practical and semester theory examinations is used to compute the level of attainment. 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: The feedback is collected from students at 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. This attainment level for particular course is set based on the University previous results of 3-4 years of that course.

Finally, "Programme Level Course-PO Matrix" is prepared from the attainments of POs through all the courses in four years. From the "Programme Level Course-PO Matrix" the attainment of each PO in particular academic year is computed.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://theemcoe.org/attachments/NAAC/2022-23/c2/2.6.2.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

223

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://theemcoe.org/attachments/NAAC/2022-23/c2/2.6.3.2.pdf

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)

https://theemcoe.org/attachments/AQAR_22-23/2.7.1-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)

6.36

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

3

File Description	Documents
List of research projects and funding details (Data Template)	[View File](#)
Any additional information	[View File](#)
Supporting document from Funding Agency	[View File](#)
Paste link to funding agency website	http://naac.gov.in/index.php/en/,https://iic.mic.gov.in/

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

26

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

7

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

95

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

The institute considersits utmost priorityto workforthe betterment of the society and believes in returning what weget from it via means of organizing the numerous programs to be aware of socialissues for which we encourage theStudents to take part in various extension activities organized by institutethrough various cells. Total thirty-two activities were conducted under the extension category with active and huge participation from the students and staff.

- **NSS cell organized various activities like Independence Day which was celebrated as Azaadi ka Amrit Mahotsav**

celebrating 75th years of Independence with activities like Har Ghar Tiranga, Rangoli competition and Singing competition impacting the importance of patriotism in every individual. Swachhata Bharat Abhiyan was held in Maan and College campus giving us the message of importance of cleanliness. Women's Day was celebrated through various activities like Women's awareness, poster making and rangoli competition.

- WEGR cell actively works for women's empowerment and to bring girl child students to the forefront. They organize various activities on International's Women's Day like the Women's Marathon to make women more fearless.

- IIC cell organized a seminar on World Environmental Day and National Pollution Day-Cyclothon.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c3/3.3.1.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

07

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

32

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

1996

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

13

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

13

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.

The infrastructure of the institute is well-organized and effective teaching-learning processes with as per the norms of AICTE, DTE and University of Mumbai.

Classroom facilities: The classrooms are well-furnished with ICT enabled and enable teachers to adopt suitable teaching-learning methods. They use online resources, virtual labs, animation videos, etc. to organize lectures.

Laboratory Facilities: All laboratories are well-equipped with their respective subject prerequisites for hands-on practice and are constantly upgraded. 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.

Workshop Facilities: There are two workshops: IC Engines, Lathe Machines, Carpentry and welding equipment and Theem Makers Vector.

Computer Equipment Facilities: The organization helps to develop self-learning through small-scale projects and other vocational training and industrial tours. The Institute also focuses on enriching the curriculum by conducting the Industry Institute Interaction Program (IIIP).

The institute has bus facility, boys' and girls' common rooms, medical rooms, drinking water supply, specialized desks, ramps, wheelchairs and toilets for disabled students.

File Description	Documents
Upload any additional information	[View File](View%20File)
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.1.1.pdf

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

Sports Activities: The organization has green and sand playgrounds for intra and inter-college level outdoor sports and sports activities.

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.

Gymnasium, Yoga and Meditation Centre: 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.

Medical Room: The organization has medical emergency support

`facilities along with necessary medical aid.`

`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.`

`This year conducted the cultural activities like Mehndi Competition, Poster painting competition, rangoli competition, fashion show, drama club, Fate event, Nail art, waste out of best, cook without fire, Dance contest, singing (solo and duet) along with this some days also celebrated as Traditional day, Bollywood day, Mismatch day, Group day, Matching day.`

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.1.2.pdf

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

`36`

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

`36`

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.1.3.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)

45.97

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)

The central library has SOUL software it is a state-of-the-art Integrated Library Management Software developed by INFLIBNET. It is user-friendly software developed to work in a client-server environment.

The SOUL3.0 Modules are as follows:

1. Acquisition: Main task of the LIS staff is to input the suggestions/recommendations received, into the system along with the name of the person who has requested for.
2. Catalogue: Cataloguing is the most important module of the LMS from the point of view of retrieval of information.
3. Circulation: The Circulation module deals with all operation related to library members i.e., creation, deletion and modification of members.
4. Serial control: The Serial Control module is designed to facilitate the creation and maintenance of an article indexing database.
5. Online public Access Catalogue (OPAC): The OPAC has simple and advanced search facility with the basic information for each item including author, title, corporate body, conference name etc regarding the item.
6. Administration Module: SOUL 3.0 as per the inputs from the various SOUL users and the requirements of the library staff. The module has been divided into three major sub modules for accommodating the new features.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.2.1.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)

2.73

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

203

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

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.

- The internet bandwidth has been updated frequently since 2013 from 2Mbps to100 Mbps.
- The Software is updated as per the market trend change requirements.
- 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.
- The Mechanical, Automobile-Civil, Computer-IT, and AIML-Electrical departments now have 19 TP-LINK N300 Wi-Fi Routers.

- Upgraded to online UPS in 2020 for better backup & sustainability.
- New 75 Computers of Configurations i5 Processor, 500 GB SSD and 8 GB RAM are added.

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	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.3.1.pdf

4.3.2 - Number of Computers

656

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)

363.3

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.

The institute's marvelous infrastructure is under the centralized management and maintenance team, department and a lab in-charge maintain utilization and dead stock register.

Maintenance Policy:

- **Computer Maintenance: The institute follows an "In-house Automated Online Maintenance System." This system informs the technical team and maintains a record of the complaint till its resolution.**
- **General Maintenance: The upkeep of campus infrastructure is carried out by experienced, dedicated teams. A centralized maintenance register is available at the storehouse.**

- **Preventive Maintenance: The centralized maintenance register supervisor keeps records of periodic maintenance work and resolves issues from time to time to ensure smooth functioning of equipment and machines. Stainless steel and wooden furniture are maintained prior to the beginning of odd and even semesters.**
- **Housekeeping: The housekeeping team will attend to the maintenance of the campus as well as the garden.**

- **Electrical Maintenance: The electrical maintenance team conducts a maintenance drive of all power utilities twice a year prior to the examination.**
- **Sports Complex Maintenance: The contemporary sports committee maintains indoor and outdoor sports stationary. It identifies and verifies the suitability of sports stationary for sports activities.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c4/4.4.2a.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

609

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

55

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

A. All of the above

File Description	Documents
Link to institutional website	https://theemcoe.org/attachments/NAAC/2022-23/c5/5.1.3.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

150

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

150

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

A. All of the above

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

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

145

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

01

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

01

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.

15

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)

The Student Council (SC) at Theem College of Engineering plays a vital role in representing and enhancing the student experience. The SC is formed every year in accordance with the rules and regulations of the University of Mumbai. The Objectives of SC to develop students' personalities, organizational skills, and career opportunities ,to provide a platform for students to express their opinions regarding their studies and suggest campus improvements and teach them how to represent the institute at the university level. The Structure of SC General Secretary(GS), Deputy General Secretary, Sports Secretary, Cultural Secretary, Technical Secretary, Student Members and Coordinators.

The college is Organize annual function, "Jashn-e-Theem," and various activities, including Technical, Cultural, and Sports events. The SC is handle anchoring and stage management for the each and every event.Some students are also enrolled in other committees, such as NSS, College Magazine, E-Newsletter, Anti-ragging, Women Empowerment, and Grievance Redressal Cell. These committees deal with academic activities, student welfare, anti-ragging, and other campus-related issues.

Institute Innovation Council (IIC) Organizes activities like workshops and days celebrations on topics related to innovation and entrepreneurship and its aims to inspire and motivate students towards innovation, research, and entrepreneurship.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c5/5.3.2.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

61

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

Theem College of Engineering has registered Alumni Association, formed on dated 15-12-2018 with the registration number MAH/2139/2018/Thane,with 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 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. They give their suggestions through feedback to enrich the teaching-learning process 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.

The alumni's contribution in financial and non-financial resources supports to fulfill the objectives. The Association has started collecting the financial contribution from alumni and the same is deposited in its bank account. The non-financial contributions of alumni are expert lecture, seminar, workshop,

guest lecturer and inculcate to students for industry oriented projects and career planning etc.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c5/5.4.1.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

THEEM COE has a well-defined goal and mission statement. The institute has also implemented several measures to support the professional development of its students and staff in keeping with its aim to produce responsible technical professionals with the assistance of qualified and committed educators. The institute views its own development as well as that of all of its stakeholders from all angles. In order to develop and assess teaching and learning methods, curriculum design, social outreach activities, and industry-oriented programs, a feedback system is in place that solicits input from parents, employers, alumni, and students. Broad institutional objectives that THEEM COE has stated include:

1. Empowerment of its stakeholders (Faculty, students, employers, alumni)

2. Increased Industry interactions through training, placement and consultancy

3. Conducting impactful research through its research centers and encouraging technology transfer

4. Creating social, moral, environmental awareness by following best practices such as recycling, using renewable sources or energy, value education, community service etc.

5. THEEM COE prioritizes automation, faculty appraisal, feedback, transparency, policy framing, knowledge sharing, and action implementation to enhance governance, allowing faculty and students to focus on teaching, learning, and research.

File Description	Documents
Paste link for additional information	https://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 CDC, 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.

Case Study of 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.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.1.2.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 prepare and follow the perspective / Strategic plan to cope with the dynamic changes and meet the long-term goals of the organization. Regular feedback and discussions with the different stakeholders help us in developing our strategic plans. These plans are reviewed and revised as required to achieve academic excellence through IQAC.

The summary of strategic plan deployed in AY 2022-23 is as follows:

1. Educational Process:

- **Student-centric outcome-based teaching-Learning**
- **Participation in NIRF**
- **Academic Audit**
- **Mentor-Mentee System**
- **Implementation of CIAR**

1. Governance:

- **Implementation of ERP solution**
- **Various committees involving all stakeholder in decision making**
- **Regular financial audit to ensure optimum fun utilization**

1. Research and Development:

- **"Trends N Herald in Engineering and Metamorphosis (THEEM)2023" National Conference conducted**
- **MOUs with Industries to enhance industrial and research**

collaboration
- **Encouraged interdisciplinary research**
- **Various FDPs and SDPs conducted**

1. **Physical Resources:**

- **Infrastructure augmentation done for newly added B.E Program namely CSE (AIML)**
- **Timely upgradation and Maintenance of Labs being monitored**
- **Maintenance of Green Campus for environment friendly work space**

File Description	Documents
Strategic Plan and deployment documents on the website	[View File]()
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.2.1.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 activities such as workshop on "Women's Safety" and poster making competition on "Gender Equality Today for a Sustainable Tomorrow" were successfully conducted.

From the "Women's Safety" activity, the cell trained girl students and staff to become physically fit by practicing a few martial arts: striking arts, joint lock arts, throwing arts, etc. and emotionally fit by various types of yoga: physical postures, breathing techniques and meditation or relaxation. This type of practice helped them to promote mental and physical well-being as well as to protect themselves and others too.

The importance for women to be safe has been educated through the following points:

1. **Women have the right to be free from removing the barriers**

of an unsafe environment.
2. **Women must be able to protect themselves against violence, harassment and discrimination.**
3. **This kind of environment helps women fulfil their potential and they can contribute to work, communities and economics of the world.**

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.2.2a.pdf
Link to Organogram of the Institution webpage	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.2.2b.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

Institute understands that faculty is the backbone of the educational system. Therefore the skill sets and the core competency of faculty are required to be upgraded on a regular basis. The Institute encourages faculty and staff members for acquiring the latest skills by supporting them to attend various programs and has a sponsorship fee reimbursement scheme for STTP/Workshop/Trainings/Professional Membership. The institute

also reimburses travel costs for faculty for travelling to conferences outside of state as and when required. The Institute facilitates various soft-skills training programs for teaching and non-teaching staff members. The Institute recognizes the need for continuous qualification upgradation. Institute motivates and supports faculty members for acquiring higher degrees from renowned and accredited Universities.

Welfare Schemes for Teaching Staff are: EPF, Gratuity, and Travel Grants for attending, Permission for Qualification Upgradation etc

Welfare Schemes for Non-Teaching Staff are: PF, Gratuity, and Permission for Qualification upgradation etc.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/c6/6.3.1.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

124

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

14

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
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 Template)	View File

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

134

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
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 system measures 80% of the faculty's performance, with additional marks added by the Head of Departments (HODs). The Principal evaluates the staff portfolio, oversees punctuality, and prepares a staff Performance Indicator Chart for management. This system motivates faculty to enhance their competency through self-learning and research.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/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	https://theemcoe.org/attachments/NAAC/2022-23/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)

13.6

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 budget systems for departments and cells, managing financial resources within available resources. Departmental budgets cover lab upgrades, staff upgradation, workshops, seminars, alumni meetings, and other events. The Principal reviews budgets, and a final draft is prepared 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	https://theemcoe.org/attachments/NAAC/2022-23/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 teaching learning process through CIAR, the level of transformation and holistic development of students by Mentor mentee Report and academic infrastructure and staff knowledge enhancement with the adoption of research culture through department audit report. To achieve the quality enhancement, the some of thebest practices initiated by theIQAC are:

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

Case Study of Mentor-Mentee System

The Mentor-Mentee Report records student details, helping mentors assess and counsel students based on test performance. It advises twice-a-semester meetings for remedial and bridge courses. Each mentor maintains 20 mentees, and in the second year, the report is transferred to a branch mentor who supports students through additional learning assignments and project-based learning. This continuous counselling promotes holistic student improvement.

File Description	Documents
Paste link for additional information	https://theemcoe.org/attachments/NAAC/2022-23/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 conducts a bi-annual academic audit, led by a cross-domain team of professors, to evaluate curriculum planning, teaching-learning, research culture, student participation, and departmental extension activities.

The IQAC is implementing a Curriculum Implementation and Assessment Report (CIAR) to strengthen curriculum implementation and guide reforms. The institute is also utilizing ICT classrooms, such as animation, PowerPoint presentations, and video lectures, to encourage participative learning and student feedback.

The IQAC's second reform aims to foster research culture among faculty and students through project-based learning through an ecosystem including research and development, Theem Makers' Vector, Entrepreneurship, Start-up Cell, and excellence centers.

The IQAC convenes twice or three times for reforms and quality monitoring, with the strategic plan aiming to review academic quality and address gaps.

The IQAC evaluates the institute's SWOC, highlighting its strengths like state-of-the-art laboratories, employability enhancement initiatives, and pollution-free campus. However, it faces challenges in promoting employability, entrepreneurship, research, and faculty retention, despite its urban industrial location.

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	https://theemcoe.org/attachments/NAAC/2022-23/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,	A. All of the above

NBA)

File Description	Documents
Paste web link of Annual reports of Institution	https://theemcoe.org/attachments/NAAC/2022 -23/c6/6.5.3b.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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. Women Empowerment and Grievance Cell (WEGRC) deals with issues of girls and woman staff.

The WEGRC in association with IQAC, IIC and NSS of Theem College of Engineering, has organized a workshop on "Women safety" on occasion of International Women's day 8th march 2023 to spread awareness among girl students about their safety. The Speaker of the session Mr. Suresh Salunkhe, Assistant Police Inspector Boisar police station briefed girl students that society is very much concerned about women safety but most women should make herself strong physically and mentally to face challenges. He also briefed thatpolice department is always there to implement law and order. In total 59 girl students and 8 faculty members were present during the workshop.

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.

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	https://theemcoe.org/attachments/NAAC/2022-23/c7/7.1.1a.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	https://theemcoe.org/attachments/NAAC/2022-23/c7/7.1.1b.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	View File

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. The 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	https://theemcoe.org/attachments/NAAC/2022-23/c7/7.1.3.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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

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**

File Description	Documents
Geo tagged photos / videos of the facilities	[View File](#)
Any other relevant documents	[View File](#)

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	A. Any 4 or all 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	No File Uploaded
Any other relevant information	[View File](#)

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 : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above

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	View File

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).

We have Celebrated National Unity day (Rastriya Ekta Diwas) on 31 Oct. 2022 at College premises under 75th "Azadi ka Amrut Mohatsav".

Activity:

1. On this occasion the NSS unit of Theem COE organized "RUN" programme.

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.

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 Constitution of India .As a part of development of the country's environment as greenery, we do plant saplings on the Republic Day.

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	[View File]()

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

1. Activity: CELEBRATION OF Constitution Day on 26/11/2022

Objective of Activity: To celebrate the Constitution Day (Samvidhan Diwas)

Organized by: Ministry of Education, Department of Higher Education, New Delhi

Agenda of Activity:

1. To commemorate the adoption of the Constitution of India as Jan Bhagidari

2. To honour and acknowledge the contribution of Founding Fathers of the Constitution.

Execution:-

1. NSS Volunteers taken pledge on Our Indian Constitution (Samvidhan)

2. They got the Certificates.

2. 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.

3. 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".

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	**A. All 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	[View File](#)

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

Celebration of birth anniversary of Mahatma Gandhiji and Commemoration of International Day of Non-Violence on 2" October 2022, organized by: N.S.S Volunteers, Theem college of Engineering by 12:00 p.m.

- **Activity: "Gandhi Jayanti"**

Objective of Activity:

To celebrate "Gandhi Jayanti" and understand the importance of Non-Violence.

Agenda of Activity:

1. To create awareness among the college students about "Non-Violence."

2. To know the importance of Non-Violence in day-to-day life.

Execution:

1. Our NSS Volunteers had arranged pledge in all classes.

- Activity: "Hindi Diwas"

Objective of Activity: To Celebrate "Hindi Diwas" & to know the importance of Hindi Language on dated 14/09/2022 organized by: N.S.S Volunteers, Theem college of Engineering at 11:00 a.m.

- Activity: "Road Safety Drive"

Objective of Activity: To conduct "Read safety Drive" with STS Honda for College Students on dated 15/09/2022 organized by: STS Honda and N.SS Volunteers.

Execution: 1. Our NSS volunteers had arranged a Road safety Drive with STS Honda Mr. Swapnil Jawharkar, Honda Motorcycle & Scooter India Pvt. Ltd. (HMSI) the trainer digitised three sessions, Theory, Demonstration, and Practical every day.

- Activity: Har Ghar Tiranga Rally on dated 10/08/22.

Objective of Activity: To celebrate the 75th azadi ka amrit mahotsav Organized by: - N.S.S. Volunteers, Theem college of Engineering with Boisar Police Department.

Agenda of Activity:1. through rally create awareness about HAR GHAR TIRANGA under "75th Azadi ka Amrit Mahotshav".

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	View File

7.2 - Best Practices

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

The Institute encourages students and faculty to perform in multiple domains. We have identified the following Best practices as per our strength.

1. Transform student's project into paper publication.

Outcomes: Theem College of Engineering (Theem COE) have initiated a step ahead to conduct InternationalConferences in the campus under the name of THEEM-2023 (Trends and Herald in Engineering Excellence and Metamorphosis). The conference received various research papers in multiple specializations from the industries and Academic Backgrounds.

2. Awareness campaign for utilization of Open Source Software in higher education.

Outcomes: To identify the awareness of open source software among students and faculties.

3. Industry Institute Interaction.

Outcomes: Theem College of Engineering (Theem COE) had an initiative to organize various activities under Industry Institute Interaction cell for the students and faculties. The Industrial Experts lectures, Alumni talks, Industrial Visits, Internships etc are organized.

4."Counselling and Career guidance - for Secondary and Higher Secondary Students".

Outcomes: To teach information of specialized instruction and

career alternatives to the school understudies.

5. Junior Scientist Program for local Schools of Boisar region.

Outcomes: To promote interest in science and technology.

Best practices are those which add value to human life and support the main cause of an Institution. Moreover, this is one of the greatest events conducted by Theem College of Engineering which will motivate the students for achieving their future goals.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

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 an earmarked premises near botanical garden was inaugurated by Mr. S. P. Nadkarni, General Manager, Home Fabrics (Works Administration) D'Decor Pvt. Ltd. Boisar on 31 July 2018.Theem Makers Vector is equipped with workshop machines, tools, and equipment for enabling students to carry out their innovative projects, projects seeking patent and intercollegiate competitive with equal attention on safety of self and machines. The workshop's liberty and environment encourage students to invent a Quality Innovative Products with cost- consciousness. This approach encourages budding engineers to acquire technical and professional skills.

Objectives:

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

2. To encourage students to think innovative.

3. To enhance entrepreneurial and employability skills.

Outcomes and Achievements:

1. 15 groups participated and presented their projects in Project exhibition 2023 and winners were awarded with certificates.
2. Total 16 Teams have participated in the internal Hackathon for SIH 2023 out of which 15 teams are shortlisted and will be nominated for SIH 2023.
3. The International conference THEEM-2023 received more than 200 research papers of various areas of specialization from UG and PG students out of which 101 papers were selected by the publication committee and are accepted to present their papers in international conference THEEM-2023 out of which there was a selection of the best paper presentation of each track which was awarded with certificates.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To conduct Academic and Administrative audits.
2. In the series of Conferences"Trends N Herald in Engineering and Metamorphosis-2024 (THEEM-2024)", the institute plans to conduct the conference THEEM-2024 in the next academic year.
3. Plans to conduct Faculty Development Programs to enhance the pedagogical skill of the staff.
4. Plans to conduct Students Development Programs on various topics to spread knowledge among them and also to prepare them for placement.
5. To continue to conduct various activities under the purview of Institute Innovation Council (IIC).
6. To conduct impact lecture series, a series of 4 lectures on various topics, for faculty benefits and knowledge sharing, sponsored by IIC, AICTE, MHRD.
7. To continue to conduct Student Induction Programmes, Orientation Programmes, Bridge Courses, Remedial Lectures for Slow learners etc. to strengthen Student Centric Learning
8. To organize workshops and seminars regarding Stress

Management, Health Awareness, Universal Huaman Values, Mental health etc among students for their holistic growth

9. To reach more industries for MOU for better Institute Industry Interaction.
10. To become center of excellence by useful application of THEEM Makers Vector.
11. To strengthen Academic Bank of Credit of the students, as suggested by NEP, by motivating them to enroll for NPTEL/Swayam courses
12. To apply for NIRFRanking.

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