



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

MIT Academy of Engineering

- Name of the Head of the institution **Dr. Mahesh D Goudar**
- Designation **Director**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **02030253500**
- Alternate phone No. **02030253600**
- Mobile No. (Principal) **+919689907476**
- Registered e-mail ID (Principal) **director@mitaoe.ac.in**
- Address **Dehu Phata, Alandi (D), Tal: Khed, Dist: Pune**
- City/Town **Pune**
- State/UT **Maharashtra**
- Pin Code **412105**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **13/10/2015**
- Type of Institution **Co-education**

- Location **Urban**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. Suyogkumar V. Taralkar**
- Phone No. **02030253500**
- Mobile No: **+919011332500**
- IQAC e-mail ID **iqacordinator@mitaoe.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

<https://mitaoe.ac.in/assets/images/pdf/AQAR-2020-21.pdf>

4. Was the Academic Calendar prepared for that year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://mitaoe.ac.in/assets/images/pdf/Academic-Calendar-2021-22.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.13	2014	24/09/2014	31/12/2021

6. Date of Establishment of IQAC

20/03/2014

7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Nil	Nil	Nil	Nil	Nil

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year

4

- Were the minutes of IQAC meeting(s) and **Yes**

compliance to the decisions taken
uploaded on the institutional website?

- If No, please upload the minutes of the meeting(s) and Action Taken Report
- No File Uploaded

10. Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

• Teaching-Learning system: Online to offline mode • Assessment reforms • Enhancement of compatibility of students with external world through B TechGuru and AMCAT • Enhancement in quality research publications by faculty and students • Enhancement in Startup activities through Entrepreneurship Development Cell • Students participation and technical and non-technical activities • Organization of seminar/workshops for faculty and students on topics related to research, IPR, consultancy, etc. • Revision in Final year UG curriculum • Signing MOU to enhance industry-institute interaction

12. Plan of action chalked out by IQAC at 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
Question paper audit	Enhanced quality of question papers
Quality System Audit	Improvement in organizational processes
Implementation of ERP	Path towards digitization
Use of LMS	Students engagement
Skill Development Labs	Enhancement in Industry-Institute interaction
Organization of workshop on Reserach/IPR	Enhancement in number of patent applications
Establishment of Entrepreneurship Development Cell	Enhancement in number of startup

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	20/12/2022

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A**Data of the Institution**

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• Designation	Director
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• Alternate phone No.	02030253600
• Mobile No. (Principal)	+919689907476
• Registered e-mail ID (Principal)	director@mitaoe.ac.in
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• Type of Institution	Co-education
• Location	Urban
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• Name of the IQAC Co-ordinator/Director	Dr. Suyogkumar V. Taralkar

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• Mobile No:	+919011332500				
• IQAC e-mail ID	iqacordinator@mitaoe.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://mitaoe.ac.in/assets/images/pdf/AQAR-2020-21.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://mitaoe.ac.in/assets/images/pdf/Academic-Calendar-2021-22.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.13	2014	24/09/2014	31/12/2021
6.Date of Establishment of IQAC			20/03/2014		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Nil	Nil	Nil	Nil	Nil	
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• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year	4				
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes				

<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
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statutory body?	
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing Body	20/12/2022
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2022	27/12/2022
15. Multidisciplinary / interdisciplinary	
<p>Education at MITAOE, Alandi is emphasising developing the Foundational, Cognitive, Critical Thinking, Problem Solving capabilities of the students. Social, Ethical, and Emotional capacities and dispositions of every individual are fostered for achieving full creative potential and Holistic Development. With a Vision of Multidisciplinary, Holistic Education and to ensure Unity and Integrity of all Knowledge, MITAOE started a program Bachelor of Design along with other Under Graduate and Post Graduate Engineering programs.</p> <p>Total 160 credits for four-year undergraduate programs at MITAOE. Humanities and Social Science Courses are integrated along with STEM courses.</p> <p>The Category-wise Course distribution is as follows:</p> <p>Skill Development and Project:18.8 %, Humanities and Social Science:7.5 %, Natural Science: 12.5 %, Engineering Science:16.3%, Discipline core: 33.8%, Open Electives :7.5%, Discipline Elective: 3.8%.</p> <p>The entire curriculum framework is designed to empower our students with four important and necessary skills of the 21st century, Critical thinking, Creativity, Collaboration and Communication. We offer flexible but rigorous academic programs</p>	

and opportunities for participating in a wide range of professional and extracurricular activities. Academic Flexibility is almost 28% of credits through discipline electives, open electives, projects and internships. community engagement/ service and environmental education are integral parts of courses like design thinking, prototyping environmental science, and liberal learning.

Interdisciplinary and multidisciplinary project work is encouraged through minor, major and capstone project courses and various experiential and project-based learning core courses in the curriculum. The Design Thinking course in the first year is creating a strong foundation for identification and finding solutions to society's most pressing issues and challenges. Interdisciplinary and multidisciplinary projects and teams resulting in excellent research outcomes such as Research Papers, Patents etc.

Emerging area specialization courses tracks for all interdisciplinary and multidisciplinary students is among the most important best practices at MIT Academy of Engineering. This initiative is giving opportunities to all students to work and contribute in their interested area of specialization and problem-solving.

16.Academic bank of credits (ABC):

MIT Academy of Engineering is following the guidelines of Savitribai Phule Pune University and University Grants Commission communicated through circulars dated 15 October 2022 and 16 August 2022 respectively.

17.Skill development:

To inculcate value-added education for the highest professional competence and character to constructively deal with the challenges and opportunities of the 21st century.

In line with National Skills Qualification Framework, MITAOE offers skill development according to a series of levels of knowledge, skills and aptitude. Almost 19% of credits are assigned to technical skill development, projects and internships. Almost 12 credits are assigned for technical and professional skill development courses. Students' knowledge, skill and aptitude are progressively improved with almost 32 in-demand technical skills choices along with Professional Communication and Employability and Career Development courses.

MITAOE provides professional and Vocational education to students with guiding principles of a broad and strong foundation, skilful training and a practical orientation towards solving real-world problems. Two audit internships, one credit-based internship of 4-6 Weeks and Credit based Semester Long Internships are integral parts of the curriculum offered by MITAOE. This prepares learners for jobs/employability that are based on manual or practical activities and directly develops expertise in a particular group of techniques or technology.

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

Joyful learning and active learning through the Problem Solving Sessions are among the best initiative at MITAOE. To improve the effectiveness of these sessions faculties provide classroom delivery in bilingual mode.

The liberal learning course in the second year is having various choices as Chess, Dance, Singing, Creative Writing, Guitar, Art and Craft, Robotics, Introduction to photography, Drama, Yoga and Meditation, Automotive Skills, Empathy & Compassion, RC Plane, Drone Making. Student clubs like Language Club, Art and Crafts, Drama, etc. are contributing to the appropriate integration of the Indian Knowledge System and Culture.

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

Student-centric teaching and learning methodology at MITAOE offers content delivery and assessment, planned to achieve stated outcomes of the courses and program outcomes. It focuses on measuring student performance as per Bloom's Taxonomy Levels.

20.Distance education/online education:

Online education at MIT Academy of Engineering is enriched by Active, Cooperative, and Collaborative Learning using coherent ICT tools like GoTo Webinar, Microsoft Teams, and Google Meet. Faculty members are equipped with versatile tools like Pen Tablets,

SmartBoards, Projectors, Cameras, Microphones, Headsets, and other necessary computing tools. The teaching plan for the entire semester is strategically designed with a focus on content delivery in every synchronous online session, accompanied by Polls/Quizzes/surveys/chats/Questions to assure Student attentiveness and Engagement. Learning Management System Moodle is used to share Unit-wise Learning Material/ Pre-recorded

Sessions/ Practice Problems/ Assignments/ Quizzes/Course specific Communication etc.

Extended Profile

1.Programme

1.1
Number of programmes offered during the year: 11

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1
Total number of students during the year: 3010

File Description	Documents
Institutional data in Prescribed format	View File

2.2
Number of outgoing / final year students during the year: 613

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3
Number of students who appeared for the examinations conducted by the institution during the year: 2980

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1
Number of courses in all programmes during the year: 524

File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	137
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	200
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	282
4.2 Total number of Classrooms and Seminar halls	45
4.3 Total number of computers on campus for academic purposes	1094
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	760.57

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

As an autonomous institute, various progressive steps were taken in framing curriculum structure as per the need and demand of stakeholders; in line with the Mission and Vision to clearly

achieve articulated outcomes. The curriculum framework offers credit flexibility and choice of courses to students and keeps in view of the National Education Policy, more focus was given on skill courses as design thinking, prototyping, process optimization, Data structure and algorithms, Java programming language, Python, AWS cloud services, ASPEN ONE, Red hat Linux project. Open elective courses are also offered to widen student's choice, the courses being Process Engineering, Data sciences, Computer-aided Engineering. Students are groomed for overall development through courses as language and communication, psychology, professional skills, sociology, environmental science, professional communication and liberal learning. Curriculum offering project work at three different levels, minor topics and small ideas at the second year; a mini project at third year and major project at final year. Summer internship programmes (SIP) and semester-long internship programmes (SLIP) facilitating on-job training, helps to explore industry functioning, teamwork and application-based learning. Students are encouraged to opt the NPTEL and Swayam courses to enhance their skill related to industry.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	www.mitaoe.ac.in

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

11

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

388

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

136

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

44

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

In order to integrate the cross-cutting issues relevant to Gender,

Environment and Sustainability, Human Values and Professional Ethics, College has imbibed different types of courses in the curriculum, some enhance professional competencies while others aim to inculcate general competencies like social and ethical values, human values, environment sensitivity etc., thereby leading to the holistic development of students. Sociology speaks about the meaning of Gender Sensitization, Discrimination, violence and abuse to acquire a sociological understanding and to address the issues with appropriate behaviour in society. Your DOST- Emotional Wellness Coach for MITAOE organizes various webinars and personal coaching to all students and faculties to address these issues. The course on Environmental Engineering addresses Global Environmental Issues and Sustainable development. Under UBA, 5 villages are adopted and projects for environment and sustainability are in progress. NSS unit of 100 students is actively participating in various activities throughout the year to address this issue like tree plantation, Ganesh Idol Collection, Swacch Dindi Nirmal Dindi, etc. Skill Development and projects each year focus on professional ethics to technical content and research. We constantly try to improve the students' behavioural and ethical levels through these cross-cutting issues.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

2

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1135

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

752

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni **A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://mitaoe.ac.in/assets/images/pdf/Alumni_Feedback_Form_for_Review_of_Syllabus.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following **A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	https://mitaoe.ac.in/assets/images/pdf/Teache_Feedback_Form_for_Review_of_Curriculum.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

674

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

101

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

- **First Year Level**
 - Admission to Engineering & Design is made through the CET Cell, DTE, Government of Maharashtra based on the students' performance in HSC and CET examination and outsiders will be selected based on their performance in the JEE conducted by NTA.
 - The Institute ensures language proficiency at the beginning.

- The T&P department received feedback from recruiters, about the students' communication and the job opportunities in Japan and Germany.
- The students with good English communication will be permitted to choose Japanese/German language and others will learn English.
- A program has been introduced to develop student's language learning abilities.
- After admissions, students are supposed to choose a language of their preference from English/German/Japanese to study.
- Students who opt for German/Japanese go through an English diagnostic test, an interview to confirm their fluency.
- Students who clear the interview get an opportunity to study a foreign language and the others will focus on English.

- **Course level**

◦ The course level internal assessment is done using collaborative activities like Jigsaw, Flipped Classroom, etc.

◦ The heterogeneous student groups are formed to include learners of all levels and support them in their learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2022	3010	137

File Description	Documents
Upload 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:

Institute has adopted various student centric methods for enhancing their learning experiences:

? **Experiential learning-** Project-based learning approach in courses like Prototyping, Engineering Informatics, departmental core courses, Mini, Minor, and Major projects improve experiential Learning.

? **Participative Learning-** Various in-class and out-class active learning activities like Flipped classroom, Jig-Saw, Role-play, Think-pair-share, Group discussion, one-minute paper, etc. are conducted to enhance the participation of students in the teaching-learning process.

? **Problem-solving methodology-** In the various courses from the first year to the final year, students are given case studies and creative assignments based on real-life problems to enhance their creativity, critical thinking, and problem-solving skills. Students are encouraged to participate in National and International competitions.

? **Real-world exposure-** Industrial visits and invited lectures by industry experts are conducted. Additionally, the institute has an audit-based, credit-based and Six-month-long internship program which offer the students real-world exposure to industry and research.

? **Skill development:** Every institute program offers skill courses to their students per current trends and industry requirements.

- **Joyful Learning through students' clubs and participation in technical competitions-** Institute is running technical and non-technical clubs for students. Along with these activities, students get exposure to various national and international competitions.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and

learning

LMS and online teaching Platforms:

- LMS - Cloud Based Moodle Server with 1000 Concurrent Students.

www.moodle.mitaoe.ac.in

- GoToWebinar and GoToMeeting Web-based platform
- G Suite Domain for Education - Google Classroom and Google Meet Tool
- Unlimited Licenses of MS Office 365 for Teachers and Students. MS Teams is used for the conduct of Online Theory, Practical sessions, and assessments.
- AMCAT Aspiring Mind Online Platform for conducting examination and placement activity tests.

E-content development by teachers

- Lecture recording using screen recorder tools like Screencast-o-Matic, PowerPoint screen recorder, etc.
- Recording the videos of demonstrations by performing the experiments in the laboratory.
- Virtual labs are created and VPN Connectivity facility is also made available to access the shared resources of the labs.

ICT Tools and Resources Available:

- Branded IBM Lenovo and Dell Computers with Intel Pentium IV and above configurations with LAN connectivity.
- Secured WIFI Internet Access facility available.
- Classrooms are Equipped with LAN / WIFI Facility and LCD Projector and Screen.
- 500 MBPS Internet Leased Line with Sonic Firewall Secured Access.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://mitaoe.ac.in/ICT-Enabled-Tools.php
Upload any additional information	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

137

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Preparation of Academic Calendar:

- The number of instructional days in every academic term are decided.
- The Schedule of all types of examinations, annual technical and cultural events, Project Reviews, declaration of Detention List, Non-instructional days, result declaration, and re-examination are included.
- It is verified and validated from all Heads/Deans, Controller of Examination, and Director.
- Department level Academic Calendar is prepared in line with the institution level academic calendar.

Preparation of Teaching Plan:

- Teachers prepare the teaching plan for theory as well as lab sessions based on the Academic Calendar.
- Every session and flow of sessions is planned as per the expected topic level and course outcome.
- There shall be at least 15 contact hours for one credit theory course and 30 contact hours for one practical credit

course in a particular academic term.

Adherence to the Academic Calendar and Teaching Plan:

- The teaching plan is verified by course coordinator fortnightly and reviewed by School Deans monthly.

If found variance, the plan for covering up the curriculum is done by

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

137

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

40

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

8.36

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

14

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

198

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

- Examination procedures

Completely equipped, functional Examination section exists since 2016. All examination processes from registration to result declaration are well defined. Two examinations conducted in a semester. Question papers set in-line with the expected course

outcomes and based on varying levels of the revised Blooms taxonomy. These are audited by internal and external subject experts.

Proper guidelines are defined for paper setting, assessment, examination conduction and result declaration.

Additionally re-examination and remedial examinations are conducted to provide more attempts to slow learners and unsuccessful students.

- Processes / Procedures integrating IT

The entire examination process from registration to result declaration is automated. Inhouse developed ERP is used for handling all exam activities-Exam Registration, Hall Ticket and Exam Summary Preparation, appointment orders to External Examiners, Marks Entry, preparation of Grade cards and final results ledger.

- Continuous Internal Assessment System

30% of marks for each course comprises continuous internal assessment. These are earned by the students on the basis of their performance in the various assessment activities like Assignments, Quiz and various Collaborative learning activities.

There is complete transparency in the assessment, students are allowed to view their internal assessment marks and all assessed answer scripts before declaration of results

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution

are stated and displayed on the website and communicated to teachers and students

- 12 Program Outcomes (POs) are specified by the NBA.
 - Each program can have 2 to 4 Program Specific Outcomes (PSOs) depending on the domain.
 - PSOs are statements that describe what the graduates of a specific engineering program should be able to do.
 - COs are statements indicating what a student can do after completing a course.
 - Blooms level is assigned to each CO.
 - Each course can have a set of 3 to 6 COs.
 - The COs are formulated through the interactions of the course champions with all stakeholders and are compiled once approved by the Chairman, Board of Studies (BoS).
 - Each COs must have an action verb.
 - The COs need to be Specific, Measurable, Achievable, Relevant, and Time-bound.
 - The COs, POs, and PSOs are informed to the different stakeholders as below
 - To students during Course Discussion by Faculty.
 - To parents during Parent Meeting.
 - To Alumni and Industry through emails.
 - The web link for the list is <https://mitaoe.ac.in/mitaoe-quality-assurance.php>.
 - The list is also available at Dean's Office, Department Office, Laboratories, Department Library, Classrooms, Curriculum and Syllabi, Laboratory Manuals, Course files, News Letter, and Department Magazines etc.
-
- Upload COs for all Courses (you may refer to the exemplars in the Glossary)

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

- The attainment of COs is done using direct/indirect assessment. The results of each course of every batch have been considered in

assessing the level of attainment of COs and POs.

- The tools used for direct Assessment are Continuous Assessment, Mid/End semester Practical, Project Examination.

- The indirect methods are the Alumni feedback, Course exit and Employer surveys.

- The CO Score are calculated in Excel template as below

- o The faculty will assess the contribution of the different tools to the individual COs.

- o The weightages will be assigned to each COs.

- o The COs scores will be obtained from the performance of the students and the contribution of various tools.

- o The CO scores will be compared with the target to assess whether the student had attained or not.

- o Depending on the number of students attaining the COs, the % attainment will be calculated.

- o The POs are measured through direct and indirect methods.

- o Once the CO attainments are calculated, the direct attainment for the POs is done through the CO-PO articulation matrix and the actual % attainment for every CO.

- The exact same process will be used for the attainment of PSOs.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

613

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

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://mitaoe.ac.in/assets/images/pdf/2_7_1.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institute remains committed to long-term research as the foundation for future development with following endeavours.

- **Research Policies:** Institute has well defined policies to motivate faculties to undertake research activities. Different policies up and running are R&D Manual, IPR Policy, Consultancy Policy, Code of Ethics for Research Publications, Research and Development Incentive Scheme. The policies are updated in accordance with the National regulatory bodies such AICTE, NISP, KAPILA and UGC
- **Research Sensitization:** To enhance the research awareness by organizing national and international conferences, symposia, workshops on research methodology, IPR and patents, talks and discussions with eminent researchers.
- **Research Thrust Areas:** To promote intensive and dynamic research to get tangible research outcomes, departments have identified Research Thrust areas.
- **Seed Money:**

Institute biannually calls for proposals to support faculty and students research work.

- **Research Facilities:**

State of the art equipment's like high-frequency structure simulator. 'HFSS USRP SDR bundle' in Advance Communication Laboratory as well as 'Cadence and Mentor Graphics front end and back design tools' in VLSI Design laboratory. Equipment such as CNC grinding machine, Universal Testing Machine, Wind Tunnel are few to be mentioned. software skill labs such as MATLAB, Java, C++, CCNA and Embedded Linux, LABVIEW, ANSYS, Revit, CATIA, ASPEN.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://mitaoe.ac.in/Research-And-Development-Policies.php
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0.9547

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

0.1

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

01

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

04

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

01

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://iiche.org.in/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

E-Cell and IIC:

- Under our entrepreneurship (e-Cell) umbrella, ED cell organized workshops, competitions, webinars, and seminars on Innovation, IPR and start-up to inspire students for entrepreneurship and start-ups.
- E-Cell also conducts its own events and B.Tech program such as a Basics of Entrepreneurship and Business Strategies.
- Start-up Club Award
- 4-Star performance at Institute Innovation Council (IIC) an Initiative of MHRD-GOI,

ARIIA:

- In the first ARIIA - 2019 Ranking, MIT AoE stood in top 100 at National Level.
- In the latest ARIIA - 2020 ranking, MIT AoE stood in Top-26-50 at "Band B" list of institutes among India.

MITAOE Entrepreneurial Development Foundation:

- E-Cell and MITAOE Entrepreneurial Development Foundation started in 2018-19 with an objective of inculcating entrepreneurship and innovation culture amongst students.

The MITAOE Entrepreneurial Development Foundation acts as an Incubation Centre within the campus for the student start-ups, currently 19 start-ups are working at Campus on their ideas and identified problems

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://edf.mitalandicampus.edu.in/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

25

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

03

File Description	Documents
URL to the research page on HEI website	https://mitaoe.ac.in/Research.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

25

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

41

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/3_4_6_Book_chapter_Conference_Publicaytion.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

22

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

2.241

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

3.36

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- **Social Initiatives:**
 - MIT Academy of Engineering has taken initiatives like National Service Scheme (NSS), Unnat Bharat Abhiyan, Swach Bhart Abhiyan, Robin Hood Army and Green Club .
- **Awareness:**
 - MITAOE sensitizes students about the social debt thereby motivating and encouraging them for a coordinated effort to ease the life of the community. It serves the purpose of "Education and Service" to the community and by the community.
- **Impact:**

- The initiatives like rainwater management, cleanliness drive and toilet building creates awareness among the villagers to save the water, keep hygiene to protect the family members from various diseases. Tree plantation drive, Ganesh Visarjan campaign builds environmental sensitivity among the people.

Blood donation camps, different kinds of awareness drive like Government Schemes, digital literacy on the one hand brings the villagers on an equal platform with the urban people and pave the way for active participation of the students in social life.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

01

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

6

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

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

100

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

728

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

18

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

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 equipments, etc.

The Institute has new age infrastructure and physical facilities to fulfil the statutory bodies and all the current teaching-learning requirements.

- The Institute has a total of 43 classrooms. All classrooms are properly ventilated with natural light and adequate electric lighting.
- ICT Supplementary fixtures and facilities for conducting lectures such as white boards, notice boards, LCD projectors, Wi-Fi, microphones, laptops, LAN, Wi-Fi, Web-camera are available in each of the classrooms. Some class room and seminar hall equipped with Smart boards.
- The institute has 72 laboratories with modern facilities. Required software has been installed in the laboratories' computing systems to meet the course requirements.
- The institute also has Tutorial Rooms, Drawing Halls, Seminar Halls etc. for student support to meet the requirements of curriculum.
- The institute has a massive network of 1094 computers, 100 printers, scanners, high end servers, adequate license software, operating system SW, Microsoft campus license, required hardware, firewall systems etc. to meet the academic and research requirements.
- The campus is equipped with 500 Mbps internet leased line.
- The Institute has a rich collection of print and online resources to meet the academic curriculum requirements of the faculty and student.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

Ample cultural activities and sports facilities are available for the all-round development of the students. There are 24 clubs present in MITAOE mainly categories into 5 Technical, Cultural, Recreational, Social and Sports. A well-organized student council is formed yearly, which is a backbone for all events and activities in the college.

- For cultural events, a student activity hall (approx. 3078 sq.ft.) and open Amphitheatre (35 x 35 meters) are made available.
- Cultural clubs are funded by the college to organize activities i.e. Ganesh Utsav, Dandiya, musical concert, art

day celebration, annual social gathering, shiv Jayanti, Ambedkar Jayanti, a national art day- Articia, etc. Students also participate in national level multi talent event Firodiya Karandak.

- The institute has been conducting Yoga and meditation activity throughout the year. College lawn and open hall of design building are used for yoga activities.
- The institute has 69496 sq. ft. outdoor sports ground and 2679.65 sq. ft. indoor hall for sports. Kabaddi, kho-kho, football, basketball, volleyball, cricket, race, table tennis, chess and carom are played by MITAOE students.
- Students participate at national, state as well as zonal level tournaments. Experts and coaches for various sports are made available for students.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

45

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

64.34

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

- The central library system is automated using LMS software namely "SLIM 21". SLIM21 is an integrated, multiuser, multitasking library management software developed using VB as the front end and Posture SQL on Linux as the back end that supports in-house operations of the library. Software consists Acquisition, Cataloguing, Circulation Serial control, Utility, Statistics, Web-OPAC modules.
- Books in the Central Library are barcoded for maintaining records of circulation.
- Central Library has developed digital library, which consists, project reports, e-books, syllabus, old question bank, list of various resources. We have integrated these resources with the web-OPAC through which users can access digital library resources remotely.
- The Central Library users can access library database and digital library resources through internet as well as intranet.
- The central Library is having 10 PCs in Digital Library and Multimedia Section, from where MITAOE authorized users can access e-resources and library database. However, MITAOE users can access Web-OPAC from anywhere, anytime and from any devices.
- Central library has document scanner, printer, Xerox and CC camera surveillance system for security etc. are available.

Name of the Software

SLIM 21

Version

3.9

Nature of automation

Automated

Year of Automation

2001

Last upgradation

June 2022

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: A. Any 4 or more of the above
**e-journals e-ShodhSindhu Shodhganga
 Membership e-books Databases Remote
 access to e-resources**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

23.27

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

184.41

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

- Institute has its IT Policy which covers the Maintenance of IT Infrastructure, Secured Authentication bases Internet Access to LAN and WIFI Users. MITAOE Alandi , is equipped with the 500 Mbps (1:1 BW) Internet Lease Line. Internet is distributed through LAN & WIFI Connectivity.
- Secured Internet Access get provided through Dell Sonicwall Firewall. Antivirus Software installed on every system for preventing virus attacks.
- Institut continuously keep on the purchasing the latest Computer Systems for the Students for their Laboratory use. Institute provides a separate budget for the Maintenance of its IT Infrastructure
- Institute has Setup of its LAN/WAN Infrastructure equipped with CISCO Platform or D Link Network Switches , Access Points , WIFI Controller units and WIFI devices.
- Institute has well equipped Laboratory for Language Lab with Multimedia based Computer Desktops, Headphones with MIC , Internet Access , LCD Projector,
- Institute providing the latest LMS platforms and continuously upgrading the Internet Bandwidth and its Speed for motivating the Faculty and Students for R&D activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3010	888

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus **A. 50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: A. All four of the above
Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

696.22

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

- The MITAOE is allocated a separate budget and adopts standard systems and procedures of maintenance of the physical, academic and support facilities for laboratory, library, sports complex, computers, and classrooms.
- The designated staff meticulously maintain hygiene, cleanliness and infrastructure of the classrooms, laboratories, ICT infrastructure.
- College has external housekeeping services for good keeping of college campus. Pest control is also conducted throughout the campus at regular intervals.
- For any type of maintenance, the concerned School/Section In-charge nominated a person to identify the problems. After obtaining approval from the director, the requirement is sent to the concerned in-charge for maintenance.
- The respective class and lab in-charges regularly check all the infrastructure and equipment. Performs minor maintenance internally and raise the requisitions for major maintenance.
- Regularly doing AMC of the concerned software.
- The Campus Engineer deals with the complaints received from various schools/sections for civil maintenance problems.
- All the electrical maintenance is done by the electrical department based on the problems received from the concerned department.
- The Central Library conducts pest control of the library premises at regular intervals. We also do AMC on annual basis after obtaining approval from the Director.
- The sports facility is looked after by the sports department and the grounds and sports infrastructure are maintained at regular intervals.
- The team of the System Department takes care of all the technical issues of ICT infrastructures after getting requirement from the concerned department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1892

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

0

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology **B. Any 3 of the above**

File Description	Documents
Link to Institutional website	https://mitaoe.ac.in/assets/images/pdf/5_1_3.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

13

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

454

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

5.2.2 - Number of outgoing students progressing to higher education

9

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

18

File Description	Documents
Upload supporting data for students/alumni	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 and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

4

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The student council at MITAOE is formed to inculcate leadership and team-building qualities among students. The class representatives of all classes are members of the student council.

Class representatives, Student council members are selected by the rules and norms stated by the Government of Maharashtra Gazette part 8, dated 11/01/2017.

Thus Student Council is a group of elected students working together with the guidance of the dean, and student affairs within the framework of a constitution or bylaws to provide a means for student expression and assistance in college affairs and activities. The major objectives of the MITAOE student council are as follows:

1. To initiate, implement, and complete projects and activities which will be of help to the school, the students, the faculty, the administration, the Board of Trustees and the community.
2. To develop and provide opportunities for leadership and service in the local school and in the community.

The President and Secretary and Ladyrepresentative of the Student Council is part of the College Development Committee (CDC). They put students' perspectives in the meeting and contribute to the development of the college. President, Ladies Representatives is part of student welfare and extra-curricular and co-curricular committee. IQAC of college also has student council representation.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

8

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Objective of the MITAOE Alumni Association is to provide alumni with resources, relationships and opportunities that help them make contributions of immediate and enduring value. The Alumni website serves as a powerful communication tool for enhancing the ties between the Alumni, its members and the students. They always contribute to the development of students by extending support in terms of providing expert talks, delivering seminars, and providing placements and internships. Many of them have been supported economically, in this pandemic support of Rs. 58000/- was given to one of the students. Many alumni are working in the field of social work; three different social internships have been provided by alumni to 30 students in the year 2021. They are working as active Board of Studies members at our institutes. Alumni also play important roles in many co-curricular and extra-curricular events. They provide mentorship and sponsorships to these events. The alumni association also started a Social awareness group Aadhar where students will take the lessons of Social responsibilities from their Seniors. The Placement cell of MITAOE also extends support to alumni for their career opportunities.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

The Vision and Mission of MITAOE are framed and appraised as per the global trends and requirements in technical education. To achieve the stated vision and mission the leadership is effectively designed as per the guidelines given by Apex bodies/statutory-regulatory authorities and by-laws of the institute.

VISION

To develop MITAOE into a new-age learning centre with an excellent ambience for academics and research conjugated with a vibrant environment for honing the curricular and extracurricular skills of all its stakeholders to enable them to solve real-world problems and bring a positive change in society.

MISSION

To leave no stone unturned in our endeavour to ensure that every alumnus looks back at us and says, MITAOE has not merely taught me, it has educated me.

MIT AOE's strategic plan is built upon defined core values. All activities at MITAOE are people-centric, imparting essential skills of the 21st Century. This is drafted with the involvement of all stakeholders.

The implementation of the strategic plan and progress is reviewed quarterly. Thus the governance of the institute achieves the defined Vision and Mission through effective leadership.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mitaoe.ac.in/assets/images/pdf/6_1_1.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Governing Body and Director jointly work towards designing and implementing quality policies. Committee system exists in order to effectively implement decentralization and to have an inclusive approach with all types of members. Each and every committee is having its own role and responsibilities to carry on. There are various well-defined Statutory and Non Statutory committees assisting in ensuring effective governance.

Following operational level committees are working together in an institute:

High-level committee: Responsible for decision-making and overall development of the institute with future planning and vision setting.

? The Governing Body

? Statutory committees

Middle-level committee: Responsible for proper planning to achieve the goal and objectives set by higher-level management. By setting the milestones step by step

objectives (like decentralization) are achieved.

? Director

? Deputy director

? School Deans

? Section heads

? Student activity dean

Lower level committee: Various committees have been formed to work at the lower level

? These are members who work at-sight to achieve the set goal and objectives for the institution. Decentralization is adopted at every section in the institute, finance, administrative, student section, admission section, store and purchase section, human resources, training & placement and academics sections.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://mitaoe.ac.in/assets/images/pdf/MIT_AOE-Strategic-Plan-5-years.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Being an autonomous institute we have a strategic plan based on Vision and Mission. This perspective plan is implementable, realisable and need-based. Following are highlights of one practice successfully implemented:-

Corporate Relations and Placement Cell(CRPC):

The CRPC has a legacy of providing quality placements to students.

? The CRPC provides an excellent corporate interface by arranging interactive sessions with the veterans of the industry.

? The CRPC endeavours to provide excellent job opportunities to the students.

? The department works on aptitude test preparation, personality development, and industry-institute interactions.

Activity details: To

? Provide employability-based training through different curricular and co-curricular activities. Communication skills,

professional skills and employability skills related

to mandatory courses in the curriculum.

? Provide the necessary training and assessment platforms for the personality development of the students from the employability perspective.

? Organize various expert sessions, technical series, webinars, seminars, and panel discussions on current trends in technology or industry requirements in collaboration with

various industry professionals.

? Encourage the students for industry-sponsored-projects as well as consultancy-works

to solve real-time problems.

? Organize campus recruitment drives.

? Create opportunities for the students to work in the field of their choice with industry leaders.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/6_2_1.xlsx
Upload any additional information	View File

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

MITAOE is a multi-disciplinary autonomous engineering institute that functions under the aegis of MAEER. The salient features of the organogram exhibit following:

- Director is the executive head of the institute. He chairs the position which is the authority on all academic matters. He is also a member secretary of Governing Body, and chairman of the Academic Council.
- Three Deputy Directors (Academics, Corporate &

Administration) and four Deans (Faculty and Staff Affairs, Research and Development, Dean Students Affairs) assist the Director in his executive roles.

- Registrar and senior officials in specific areas (Academic Affairs, Estate Management, Materials Management, Human Resource Management, Finance and Accounts, Administration, Students and Autonomy, Personnel Training and Development, Research Publications and Public Relations, etc.) perform other administrative functions.
- Deputy Director (Academics and Research) additionally takes care of digital infrastructure related to academics.
- Deputy Director (Corporate Relations) takes care of industry institute interaction, training and placement activities, entrepreneurial activities, overall placement and higher studies and international collaborations.
- The grievance Redressal committee is constituted to prevent unfair practices and to provide a mechanism for the Redressal of their Grievances.

In order to enhance the interdisciplinary culture in the institution, the related departments (programs) are merged to form a school.

File Description	Documents
Paste link to Organogram on the institution webpage	https://mitaoe.ac.in/assets/images/pdf/6_2_2.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The teaching and non-teaching staff play a crucial role in the growth of the institute. The institute recognizes their needs and requirements on the professional as well as personal front. In order to enhance their productivity and boost their morale, the institute implements various effective welfare schemes. These welfare measures enrich the physical and mental health of the employees and provide a promising work atmosphere. This stimulates the productivity and commitment of the employee towards the institute.

The following are the welfare measures available for the teaching and non-teaching staff:

- Employees Provident Fund
- Gratuity for Non-Teaching Staff
- Partial Reimbursement for medical insurance of employee
- Accidental and health insurance for driver and electrician
- Casual, Earned, Maternity, Vacation, Medical and Professional Development Leave
- Reimbursement for the membership fee of professional bodies like IEEE/IET
- Promotion and increments based on Annual Appraisal Performance.
- Study/Lien leave for Ph.D./Post Doc
- Increment on the award of PhD.
- Felicitation of Faculty and Staff for outstanding Academic, Research and Administrative performance during Annual Social gathering.
- Financial support for attending FDP/conferences/workshops/seminar
- Seed Money for research projects

- Financial support for Patents & publications in SCI/SCIE-indexed journals.
- Research and Development Incentive scheme

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

18

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

08

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

78

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution conducts regular internal and external audits. Qualified and certified internal and external auditors are appointed to conduct the audit on regular basis by the Trust, office. All the expenditures incurred by the College are maintained by the college accounts department and duly submitted to the trust from time to time. Utilization of funds in the institute is majorly through the procurement of resources, facilities and services provide by the institute.

The Internal auditor conducts the audit of accounts in which they verify all payments, receipts, journal vouchers, cash books, ledger accounts, bank accounts etc. The accounts are also subjected to an external audit. So far there have been no major objections. Minor errors are immediately corrected and precautionary steps are taken by the Institute to avoid the recurrence of such errors in future. The accounts department prepared the balance sheet and depreciation statement which was verified & signed by the Auditor.

PMSS(Prime-Minister Special Scholarship Scheme) Scholarships and Grants received from the government are audited separately by the Auditor & uploaded on authorized portals. As an act of transparency, the audited financial statements are published on the college website and also sent to the statutory and regulatory bodies

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

NIL

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The school deans and section Heads prepare and submit a budget for the financial year to the Director's Office by considering their academic requirements. In discussion with the Director, the summary of the budget is prepared by the account section and this summary is presented in the finance committee meeting. The final approval of the budget is provided by the finance committee. The approved budget is allocated to the respective schools and departments. The school dean and section head have the authority of spending the amount within the budget. The midterm review is taken by the Finance committee and appropriate action is taken accordingly.

According to the guidelines specified by the Management and Director, reports of sanctioned budget and actual expenses are periodically maintained. The fund is optimally utilized for Student development activities, Research & Development, Training & Placement, Software & Internet charges, Library Books/Journals, Repair & Maintenance, Printing & stationary, Equipment & Consumables and Furniture & Fixtures etc.

The mobilization and utilization of the fund are reflected in the balance sheet. The institute's management never compromised on providing high-quality engineering education at an affordable cost to the students as per the directions of the regulating bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

- **Teaching-Learning system: Online to offline mode**
- **Assessment reforms**
- **Enhancement of compatibility of students with external world through B TechGuru and AMCAT**
- **Enhancement in quality research publications by faculty and students**
- **Enhancement in Startup activities through Entrepreneurship Development Cell**
- **Students participation and technical and non-technical activities**
- **Organization of seminar/workshops for faculty and students on topics related to research, IPR, consultancy, etc.**
- **Revision in Final year UG curriculum**
- **Signing MOU to enhance industry-institute interaction**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/IOA_C_Report.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC pledges essential steps to the quality of the teachinglearning process through consistent and constant follow-up arrangements.

The institute followed the Choice Based Credit System(CBCS) and

implemented the AICTE curriculum model of 160 credits for autonomy curriculum.

The faculty members of institute designed and developed individual courses curriculum by taking consideration of inputs from all stakeholders.

Education Transformation at MIT AoE: Major Actions:

- Faculty Development Programs
- Blended Learning and Engagement
- Academic Flexibility
- Skill Development
- Creative and Critical Thinking
- Value-Based Education
- Summer Internship (SIP) and Semester-long Internship (SLIP)
- Student's Academic Experience
- Assessment Reforms
- Industry Collaboration
- Effective use of ICT tools like Moodle, Kahoot, Canvas, etc.

The assessment and attainment of Courses Outcomes (CO) and Program Outcomes (PO) has been done by considering Direct and Indirect assessment tools.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/IQAC_Report.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://mitaoe.ac.in/assets/images/pdf/6_5_3.PDF
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

Activities are conducted in view of gender equity and sensitization

Internal Complaint Committee (ICC):

The institute has constituted the Internal Complaints Committee (ICC). The objective of the ICC is to evolve a permanent mechanism for the prevention of and redress of sexual harassment cases and other acts of gender-based violence at the institute.

Expert talk on gender sensitization :

The Institute also conduct gender sensitization program and also organize counselling sessions of Dr. Bapat for each department during academic hours.

Yourdost App:

The institute also arranged the 'Yourdost' app where students can lodge the complaint any time and there are counsellors who attend those complaints by keeping 100% privacy.

Student council:

The election is held and equal numbers of seats are reserved for boys and girls students.

The institute every year nominates and elects ladies representatives for each department. And also take care while forming students committee.

Women's day celebration:

MITAOE celebrates every year women's day. The objective is to commemorate the cultural, political, and socioeconomic achievements of women.

Safety and Security:

CCTV facility is provided at each corridor in the campus. We have one lady guard at campus as well as at each check post there is one guard.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy plant Wheeling to the Grid energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The institutes facilitate techniques for management of degradable

and non-degradable waste.

Different bins have been placed at different departments to ensure that solid waste are segregated at the source.

MITAOE promotes the principle of 3R'S (Reduce, Reuse and Recycle) with the help of Vermi Composting plant,

- Reduce- Prevention of waste generation. Most importantly reducing the waste which might contain toxic constituents.
- Reuse- During the resource recovery maximum fraction of the waste that can be recovered in any way has to be segregated and brought into use.
- Recycle- The waste that can be processed in some manner to produce any desirable product which can be brought into use has to be segregated to.

Presently, sewage management is carried out in association with the Alandi Municipal Council. For the personal protection it has been advised to use masks, wearing head gears, eye covers, apron, gloves and boots as they help in fighting the transmission of infection. The institute has organized Swatch Bharat Abhiyaan and NSS activities.

The water which is released from the outlet of RO plant is ionized and we are utilizing it for agriculture and gardening. Some amount is also used for cleaning the floor and classrooms.

Responses:

Describe within 200 words concerning to following points

? Solid waste management

? Liquid waste management

? Biomedical waste management

? E-waste management

? Waste recycling system

? Hazardous chemicals and radioactive waste management

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

7.1.5 - Green campus initiatives include

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

B. Any 3 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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

B. Any 3 of the above

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

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

MITAOE provides an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities through various NSS activities

With great fervor national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Dr. Bhimrao Ambedkar, and Sarvapalli Radhakrishanna are celebrated.

MITAOE have dance club which conducts various programs and the workshops for the students.

MITAOE organizes an annual gathering in the month of March. Provide platform for students as well as teachers to show case there skills and talents.

The institute organizes a program at the International level to bring peace and religious harmony on 2nd October at MITADT Loni under the World peace Dome.

On the college campus, we organize special weeks, social activities and visit Government Schools from Alandi and interact with children.

MITAOE organizes Cleanliness Awareness programs every year. During Alandi -Pandharpur Palkhi Wari, students volunteered near Indrayani river and Dyaneshwar Maharaj Temple.

We also organized Traffic control awareness programs to create awareness in our college student's nearby villages about following traffic rules. We also organized a stationary donation camp and cloth donation camp for the needy people.

We have different clubs technical, non-technical such as Singing, Dance, Yoga, meditation, etc.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

MITAOE sensitizes the students and the employees of institution to the constitutional obligations which enables them to conduct as a responsible citizen.

The institute conducted awareness programs on reduce of plastics, cleanliness, Swachh Bharat, etc. involving students.

Food and Book distribution:

Various program such as distribution of Food, books, clothes are done to various Ashrams around the city.

The institute conducted awareness programs through NSS on the rural development, cleanliness, Swachhta Abhiyaan, Unnat Bharat Abhiyaan etc. involving students. The college establishes policies that reflect core values.

Guest lectures and workshops are arranged by eminent personalities to deliver lectures on ethics, values, duties, and responsibilities and on saving the environment. Ethical Values, rights, duties, and responsibilities of citizens are some of the topics that are enlisted in Elocution, debates, and class

presentation.

Code of conduct is prepared for students and staff. The affiliating University curriculum is framed with mandatory courses like Professional ethics, Constitution of India as a small step to inculcate constitutional obligations among the students.

A separate NSS unit is started exclusively to encourage the students and unit is successfully conducting activities to serve society for Child education, Literacy program. Blood donation, Medical camp, Meditation Yoga program were conducted.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the 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 programmes, 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

MITAOE is committed to promote ethics and values amongst students and faculty to encourage the same. Institution celebrates/ organizes national and international commemorative days, events and festivals.

1. Teachers day (birthday of Dr. Sarvapalli Radhakrishanna)
2. Engineers day (Birthday of Sir M. Visvesvaraya).
3. International Women's day
4. International Yoga day
5. Independence day
6. Republic day
7. World environment day
8. Ganesh Festival

Birth and Death of anniversary of great personalities:

1. Shivaji Mahraj Jayanti
2. Mahatma Gandhi
3. Dr. B. R. Ambedkar

Institute celebrates Republic day on 26th January every year, commemorating the adoption of Indian constitution and spreading the message that India is largest democratic country in the world.

Independence Day is celebrated every year on 15th of August, parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule.

Gandhi Jayanti is celebrated every year on 2nd October to

understand the ideology of our great leader Mahatma Gandhi.

International Yoga day is celebrated on 21st June every year. To make everyone aware on how the Yoga embodies unity of mind and body.

Shri Chatrapati Shivaji Maharaj Jayanti is celebrated on 19th February every year. It was attended by students including teaching staff.

Web link to College magazine:

<https://mitaoe.ac.in/AjaanVriksha.php>

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

<https://mitaoe.ac.in/assets/images/pdf/7-2-Best-Practices-AQAR-2021-22.pdf>

File Description	Documents
Best practices in the Institutional website	https://mitaoe.ac.in/assets/images/pdf/7-2-Best-Practices-AQAR-2021-22.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The journey of MITAoE Entrepreneurial Development (ED) Foundation started in 2018-19 intending to inculcate entrepreneurship and innovation culture amongst students. The ED cell is one of the leading contributors in the field of Entrepreneurship and Startup Incubation to cultivate and stimulate entrepreneurial aspirations to create innovative, sustainable, profitable, and job-creating Startups. To date, entrepreneurship education has been provided around 1800+ students and 8 faculties have been trained as entrepreneurship educators. MITAoE conceptualized and successfully implemented various initiatives to help students, young entrepreneurs, and professionals in their entrepreneurial journey.

- A total of 11 start-up started in 2021-22
- Four Star for successfully achieving the milestone by IIC the Institution's Innovation Council
- E-Summit '21-A national-level virtual and annual flagship event organised by the Entrepreneurship cell
- Mr. Tejas Sonkule and team of Kisanlends Fintech Pvt Ltd received the recognition from Startup India, DIPP
- Mr. Karan Patil and team of HunarPro Skilling Pvt. Ltd. received the recognition from Startup India, DIPP
- Mr. Hardik Arora and team of Mickey Creation and IT Consultancy Pvt. Ltd received the recognition from Startup India, DIPP
- Mr. Shaji Daniel has shortlisted among 10 at India level for "Pay Forward-Support the Next Gen Entrepreneurs" by Wadhvani Foundation

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

As an autonomous institute, various progressive steps were taken in framing curriculum structure as per the need and demand of stakeholders; in line with the Mission and Vision to clearly achieve articulated outcomes. The curriculum framework offers credit flexibility and choice of courses to students and keeps in view of the National Education Policy, more focus was given on skill courses as design thinking, prototyping, process optimization, Data structure and algorithms, Java programming language, Python, AWS cloud services, ASPEN ONE, Red hat Linux project. Open elective courses are also offered to widen student's choice, the courses being Process Engineering, Data sciences, Computer-aided Engineering. Students are groomed for overall development through courses as language and communication, psychology, professional skills, sociology, environmental science, professional communication and liberal learning. Curriculum offering project work at three different levels, minor topics and small ideas at the second year; a mini project at third year and major project at final year. Summer internship programmes (SIP) and semester-long internship programmes (SLIP) facilitating on-job training, helps to explore industry functioning, teamwork and application-based learning. Students are encouraged to opt the NPTEL and Swayam courses to enhance their skill related to industry.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	www.mitaoe.ac.in

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

11

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

388

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

136

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

44

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

In order to integrate the cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics, College has imbibed different types of courses in the curriculum, some enhance professional competencies while others aim to inculcate general competencies like social and ethical values, human values, environment sensitivity etc., thereby leading to the holistic development of students. Sociology speaks about the meaning of Gender Sensitization, Discrimination, violence and abuse to acquire a sociological understanding and to address the issues with appropriate behaviour in society. Your DOST- Emotional Wellness Coach for MITAOE organizes various webinars and personal coaching to all students and faculties to address these issues. The course on Environmental Engineering addresses Global Environmental Issues and Sustainable development. Under UBA, 5 villages are adopted and projects for environment and sustainability are in progress. NSS unit of 100 students is actively participating in various activities throughout the year to address this issue like tree plantation, Ganesh Idol Collection, Swacch Dindi Nirmal Dindi, etc. Skill Development and projects each year focus on professional ethics to technical content and research. We constantly try to improve the students' behavioural and ethical levels through these cross-cutting issues.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

2

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1135

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

752

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
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File Description	Documents
Provide the URL for stakeholders' feedback report	https://mitaoe.ac.in/assets/images/pdf/Alumni_Feedback_Form_for_Review_of_Syllabus.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website
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File Description	Documents
Provide URL for stakeholders' feedback report	https://mitaoe.ac.in/assets/images/pdf/Teache_Feedback_Form_for_Review_of_Curriculum.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

674

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.)

as per the reservation policy during the year (exclusive of supernumerary seats)

101

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

- **First Year Level**

- Admission to Engineering & Design is made through the CET Cell, DTE, Government of Maharashtra based on the students' performance in HSC and CET examination and outsiders will be selected based on their performance in the JEE conducted by NTA.
- The Institute ensures language proficiency at the beginning.
- The T&P department received feedback from recruiters, about the students' communication and the job opportunities in Japan and Germany.
- The students with good English communication will be permitted to choose Japanese/German language and others will learn English.
- A program has been introduced to develop student's language learning abilities.
- After admissions, students are supposed to choose a language of their preference from English/German/Japanese to study.
- Students who opt for German/Japanese go through an English diagnostic test, an interview to confirm their fluency.
- Students who clear the interview get an opportunity to study a foreign language and the others will focus on English.

- **Course level**

- The course level internal assessment is done using collaborative activities like Jigsaw, Flipped Classroom, etc.
- The heterogeneous student groups are formed to include

learners of all levels and support them in their learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2022	3010	137

File Description	Documents
Upload 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:

Institute has adopted various student centric methods for enhancing their learning experiences:

? **Experiential learning-** Project-based learning approach in courses like Prototyping, Engineering Informatics, departmental core courses, Mini, Minor, and Major projects improve experiential Learning.

? **Participative Learning-** Various in-class and out-class active learning activities like Flipped classroom, Jig-Saw, Role-play, Think-pair-share, Group discussion, one-minute paper, etc. are conducted to enhance the participation of students in the teaching-learning process.

? **Problem-solving methodology-** In the various courses from the first year to the final year, students are given case studies and creative assignments based on real-life problems to enhance their creativity, critical thinking, and problem-solving skills. Students are encouraged to participate in National and International competitions.

? **Real-world exposure-** Industrial visits and invited lectures

by industry experts are conducted. Additionally, the institute has an audit-based, credit-based and Six-month-long internship program which offer the students real-world exposure to industry and research.

? Skill development: Every institute program offers skill courses to their students per current trends and industry requirements.

- Joyful Learning through students' clubs and participation in technical competitions- Institute is running technical and non-technical clubs for students. Along with these activities, students get exposure to various national and international competitions.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

LMS and online teaching Platforms:

- LMS - Cloud Based Moodle Server with 1000 Concurrent Students.

www.moodle.mitaoe.ac.in

- GoToWebinar and GoToMeeting Web-based platform
- G Suite Domain for Education - Google Classroom and Google Meet Tool
- Unlimited Licenses of MS Office 365 for Teachers and Students. MS Teams is used for the conduct of Online Theory, Practical sessions, and assessments.
- AMCAT Aspiring Mind Online Platform for conducting examination and placement activity tests.

E-content development by teachers

- Lecture recording using screen recorder tools like Screencast-o-Matic, PowerPoint screen recorder, etc.
- Recording the videos of demonstrations by performing the

experiments in the laboratory.

- Virtual labs are created and VPN Connectivity facility is also made available to access the shared resources of the labs.

ICT Tools and Resources Available:

- Branded IBM Lenovo and Dell Computers with Intel Pentium IV and above configurations with LAN connectivity.
- Secured WIFI Internet Access facility available.
- Classrooms are Equipped with LAN / WIFI Facility and LCD Projector and Screen.
- 500 MBPS Internet Leased Line with Sonic Firewall Secured Access.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://mitaoe.ac.in/ICT-Enabled-Tools.php
Upload any additional information	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

137

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Preparation of Academic Calendar:

- The number of instructional days in every academic term are decided.
- The Schedule of all types of examinations, annual technical and cultural events, Project Reviews, declaration of Detention List, Non-instructional days,

result declaration, and re-examination are included.

- It is verified and validated from all Heads/Deans, Controller of Examination, and Director.
- Department level Academic Calendar is prepared in line with the institution level academic calendar.

Preparation of Teaching Plan:

- Teachers prepare the teaching plan for theory as well as lab sessions based on the Academic Calendar.
- Every session and flow of sessions is planned as per the expected topic level and course outcome.
- There shall be at least 15 contact hours for one credit theory course and 30 contact hours for one practical credit course in a particular academic term.

Adherence to the Academic Calendar and Teaching Plan:

- The teaching plan is verified by course coordinator fortnightly and reviewed by School Deans monthly.

If found variance, the plan for covering up the curriculum is done by

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

137

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty /

DSc / DLitt during the year

40

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

8.36

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

14

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

198

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

- Examination procedures

Completely equipped, functional Examination section exists since 2016. All examination processes from registration to result declaration are well defined. Two examinations conducted in a semester. Question papers set in-line with the expected course outcomes and based on varying levels of the revised Blooms taxonomy. These are audited by internal and external subject experts.

Proper guidelines are defined for paper setting, assessment, examination conduction and result declaration.

Additionally re-examination and remedial examinations are conducted to provide more attempts to slow learners and unsuccessful students.

- Processes / Procedures integrating IT

The entire examination process from registration to result declaration is automated. Inhouse developed ERP is used for handling all exam activities-Exam Registration, Hall Ticket and Exam Summary Preparation, appointment orders to External Examiners, Marks Entry, preparation of Grade cards and final results ledger.

- Continuous Internal Assessment System

30% of marks for each course comprises continuous internal

assessment. These are earned by the students on the basis of their performance in the various assessment activities like Assignments, Quiz and various Collaborative learning activities.

There is complete transparency in the assessment, students are allowed to view their internal assessment marks and all assessed answer scripts before declaration of results

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

- 12 Program Outcomes (POs) are specified by the NBA.
- Each program can have 2 to 4 Program Specific Outcomes (PSOs) depending on the domain.
- PSOs are statements that describe what the graduates of a specific engineering program should be able to do.
- COs are statements indicating what a student can do after completing a course.
- Blooms level is assigned to each CO.
- Each course can have a set of 3 to 6 COs.
- The COs are formulated through the interactions of the course champions with all stakeholders and are compiled once approved by the Chairman, Board of Studies (BoS).
- Each COs must have an action verb.
- The COs need to be Specific, Measurable, Achievable, Relevant, and Time-bound.
- The COs, POs, and PSOs are informed to the different stakeholders as below
 - To students during Course Discussion by Faculty.
 - To parents during Parent Meeting.
 - To Alumni and Industry through emails.
- The web link for the list is <https://mitaoe.ac.in/mitaoe-quality-assurance.php>.
- The list is also available at Dean's Office, Department Office, Laboratories, Department Library, Classrooms, Curriculum and Syllabi, Laboratory Manuals, Course files,

News Letter, and Department Magazines etc.

- Upload COs for all Courses (you may refer to the exemplars in the Glossary)

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

- The attainment of COs is done using direct/indirect assessment. The results of each course of every batch have been considered in assessing the level of attainment of COs and POs.
- The tools used for direct Assessment are Continuous Assessment, Mid/End semester Practical, Project Examination.
- The indirect methods are the Alumni feedback, Course exit and Employer surveys.
- The CO Score are calculated in Excel template as below
 - o The faculty will assess the contribution of the different tools to the individual COs.
 - o The weightages will be assigned to each COs.
 - o The COs scores will be obtained from the performance of the students and the contribution of various tools.
 - o The CO scores will be compared with the target to assess whether the student had attained or not.
 - o Depending on the number of students attaining the COs, the % attainment will be calculated.
 - o The POs are measured through direct and indirect methods.

o Once the CO attainments are calculated, the direct attainment for the POs is done through the CO-PO articulation matrix and the actual % attainment for every CO.

• The exact same process will be used for the attainment of PSOs.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

613

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

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://mitaoe.ac.in/assets/images/pdf/2_7_1.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institute remains committed to long-term research as the foundation for future development with following endeavours.

- **Research Policies:** Institute has well defined policies to motivate faculties to undertake research activities. Different policies up and running are R&D Manual, IPR Policy, Consultancy Policy, Code of Ethics for Research Publications, Research and Development Incentive Scheme. The policies are updated in accordance with the National regulatory bodies such AICTE, NISP, KAPILA and UGC
- **Research Sensitization:** To enhance the research awareness by organizing national and international conferences, symposia, workshops on research methodology, IPR and patents, talks and discussions with eminent researchers.
- **Research Thrust Areas:** To promote intensive and dynamic research to get tangible research outcomes, departments have identified Research Thrust areas.
- **Seed Money:**

Institute biannually calls for proposals to support faculty and students research work.

- **Research Facilities:**

State of the art equipment's like high-frequency structure simulator. 'HFSS USRP SDR bundle' in Advance Communication Laboratory as well as 'Cadence and Mentor Graphics front end and back design tools' in VLSI Design laboratory. Equipment such as CNC grinding machine, Universal Testing Machine, Wind Tunnel are few to be mentioned. software skill labs such as MATLAB, Java, C++, CCNA and Embedded Linux, LABVIEW, ANSYS, Revit, CATIA, ASPEN.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://mitaoe.ac.in/Research-And-Development-Policies.php
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research**3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)**

0.9547

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**

0.1

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

01

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

04

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

01

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://iiche.org.in/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

E-Cell and IIC:

- Under our entrepreneurship (e-Cell) umbrella, ED cell organized workshops, competitions, webinars, and seminars on Innovation, IPR and start-up to inspire students for entrepreneurship and start-ups.
- E-Cell also conducts its own events and B.Tech program such as a Basics of Entrepreneurship and Business Strategies.
- Start-up Club Award
- 4-Star performance at Institute Innovation Council (IIC) an Initiative of MHRD-GOI,

ARIIA:

- In the first ARIIA - 2019 Ranking, MIT AoE stood in top 100 at National Level.
- In the latest ARIIA - 2020 ranking, MIT AoE stood in Top-26-50 at "Band B" list of institutes among India.

MITAOE Entrepreneurial Development Foundation:

- E-Cell and MITAOE Entrepreneurial Development Foundation started in 2018-19 with an objective of inculcating entrepreneurship and innovation culture amongst students.

The MITAOE Entrepreneurial Development Foundation acts as an Incubation Centre within the campus for the student start-ups, currently 19 start-ups are working at Campus on their ideas and identified problems

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://edf.mitalandicampus.edu.in/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

25

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

03

File Description	Documents
URL to the research page on HEI website	https://mitaoe.ac.in/Research.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

25

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

41

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/3_4_6_Book_chapter_Conference_Publicaytion.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

22

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

2.241

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

3.36

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- **Social Initiatives:**
 - MIT Academy of Engineering has taken initiatives like National Service Scheme (NSS), Unnat Bharat Abhiyan, Swach Bhart Abhiyan, Robin Hood Army and Green Club .
- **Awareness:**
 - MITAOE sensitizes students about the social debt thereby motivating and encouraging them for a coordinated effort to ease the life of the community. It serves the purpose of "Education and Service" to the community and by the community.
- **Impact:**
 - The initiatives like rainwater management, cleanliness drive and toilet building creates awareness among the villagers to save the water, keep hygiene to protect the family members from various diseases. Tree plantation drive, Ganesh Visarjan campaign builds environmental sensitivity among the people.

Blood donation camps, different kinds of awareness drive like Government Schemes, digital literacy on the one hand brings the villagers on an equal platform with the urban people and pave the way for active participation of the students in social life.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

01

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

6

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

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

100

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

728

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

18

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

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 equipments, etc.

The Institute has new age infrastructure and physical facilities to fulfil the statutory bodies and all the current teaching-learning requirements.

- The Institute has a total of 43 classrooms. All classrooms are properly ventilated with natural light and adequate electric lighting.
- ICT Supplementary fixtures and facilities for conducting lectures such as white boards, notice boards, LCD projectors, Wi-Fi, microphones, laptops, LAN, Wi-Fi, Web-camera are available in each of the classrooms. Some class room and seminar hall equipped with Smart boards.

- The institute has 72 laboratories with modern facilities. Required software has been installed in the laboratories' computing systems to meet the course requirements.
- The institute also has Tutorial Rooms, Drawing Halls, Seminar Halls etc. for student support to meet the requirements of curriculum.
- The institute has a massive network of 1094 computers, 100 printers, scanners, high end servers, adequate license software, operating system SW, Microsoft campus license, required hardware, firewall systems etc. to meet the academic and research requirements.
- The campus is equipped with 500 Mbps internet leased line.
- The Institute has a rich collection of print and online resources to meet the academic curriculum requirements of the faculty and student.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

Ample cultural activities and sports facilities are available for the all-round development of the students. There are 24 clubs present in MITAOE mainly categories into 5 Technical, Cultural, Recreational, Social and Sports. A well-organized student council is formed yearly, which is a backbone for all events and activities in the college.

- For cultural events, a student activity hall (approx. 3078 sq.ft.) and open Amphitheatre (35 x 35 meters) are made available.
- Cultural clubs are funded by the college to organize activities i.e. Ganesh Utsav, Dandiya, musical concert, art day celebration, annual social gathering, shiv Jayanti, Ambedkar Jayanti, a national art day- Articia, etc. Students also participate in national level multi talent event Firodiya Karandak.
- The institute has been conducting Yoga and meditation activity throughout the year. College lawn and open hall of design building are used for yoga activities.

- The institute has 69496 sq. ft. outdoor sports ground and 2679.65 sq. ft. indoor hall for sports. Kabaddi, kho-kho, football, basketball, volleyball, cricket, race, table tennis, chess and carom are played by MITAOE students.
- Students participate at national, state as well as zonal level tournaments. Experts and coaches for various sports are made available for students.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

45

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

64.34

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

- The central library system is automated using LMS software namely "SLIM 21". SLIM21 is an integrated, multiuser, multitasking library management software developed using VB as the front end and Posture SQL on Linux as the back end that supports in-house operations of the library. Software consists Acquisition, Cataloguing, Circulation Serial control, Utility, Statistics, Web-OPAC modules.
- Books in the Central Library are barcoded for maintaining records of circulation.
- Central Library has developed digital library, which consists, project reports, e-books, syllabus, old question bank, list of various resources. We have integrated these resources with the web-OPAC through which users can access digital library resources remotely.
- The Central Library users can access library database and digital library resources through internet as well as intranet.
- The central Library is having 10 PCs in Digital Library and Multimedia Section, from where MITAOE authorized users can access e-resources and library database. However, MITAOE users can access Web-OPAC from anywhere, anytime and from any devices.
- Central library has document scanner, printer, Xerox and CC camera surveillance system for security etc. are available.

Name of the Software

SLIM 21

Version

3.9

Nature of automation

Automated

Year of Automation

2001

Last upgradation**June 2022**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

23.27

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

184.41

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

- Institute has its IT Policy which covers the Maintenance of IT Infrastructure, Secured Authentication bases Internet Access to LAN and WIFI Users. MITAOE Alandi , is equipped with the 500 Mbps (1:1 BW) Internet Lease Line. Internet is distributed through LAN & WIFI Connectivity.
- Secured Internet Access get provided through Dell Sonicwall Firewall. Antivirus Software installed on every system for preventing virus attacks.
- Institut continuously keep on the purchasing the latest Computer Systems for the Students for their Laboratory use. Institute provides a separate budget for the Maintenance of its IT Infrastructure
- Institute has Setup of its LAN/WAN Infrastructure equipped with CISCO Platform or D Link Network Switches , Access Points , WIFI Controller units and WIFI devices.
- Institute has well equipped Laboratory for Language Lab with Multimedia based Computer Desktops, Headphones with MIC , Internet Access , LCD Projector,
- Institute providing the latest LMS platforms and continuously upgrading the Internet Bandwidth and its Speed for motivating the Faculty and Students for R&D activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3010	888

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

696.22

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

etc.

- The MITAOE is allocated a separate budget and adopts standard systems and procedures of maintenance of the physical, academic and support facilities for laboratory, library, sports complex, computers, and classrooms.
- The designated staff meticulously maintain hygiene, cleanliness and infrastructure of the classrooms, laboratories, ICT infrastructure.
- College has external housekeeping services for good keeping of college campus. Pest control is also conducted throughout the campus at regular intervals.
- For any type of maintenance, the concerned School/Section In-charge nominated a person to identify the problems. After obtaining approval from the director, the requirement is sent to the concerned in-charge for maintenance.
- The respective class and lab in-charges regularly check all the infrastructure and equipment. Performs minor maintenance internally and raise the requisitions for major maintenance.
- Regularly doing AMC of the concerned software.
- The Campus Engineer deals with the complaints received from various schools/sections for civil maintenance problems.
- All the electrical maintenance is done by the electrical department based on the problems received from the concerned department.
- The Central Library conducts pest control of the library premises at regular intervals. We also do AMC on annual basis after obtaining approval from the Director.
- The sports facility is looked after by the sports department and the grounds and sports infrastructure are maintained at regular intervals.
- The team of the System Department takes care of all the technical issues of ICT infrastructures after getting requirement from the concerned department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support	
5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year	
1892	
File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File
5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year	
0	
File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File
5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	B. Any 3 of the above
File Description	Documents
Link to Institutional website	https://mitaoe.ac.in/assets/images/pdf/5_1_3.pdf
Details of capability development and schemes	View File
Any additional information	View File
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	

13

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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

454

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

5.2.2 - Number of outgoing students progressing to higher education

9

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

18

File Description	Documents
Upload supporting data for students/alumni	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 and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

4

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The student council at MITAOE is formed to inculcate leadership and team-building qualities among students. The class representatives of all classes are members of the student council.

Class representatives, Student council members are selected by the rules and norms stated by the Government of Maharashtra Gazette part 8, dated 11/01/2017.

Thus Student Council is a group of elected students working together with the guidance of the dean, and student affairs within the framework of a constitution or bylaws to provide a means for student expression and assistance in college affairs and activities. The major objectives of the MITAOE student council are as follows:

1. To initiate, implement, and complete projects and activities which will be of help to the school, the students, the faculty, the administration, the Board of Trustees and the community.
2. To develop and provide opportunities for leadership and service in the local school and in the community.

The President and Secretary and Ladyrepresentative of the Student Council is part of the College Development Committee (CDC). They put students' perspectives in the meeting and contribute to the development of the college. President, Ladies Representatives is part of student welfare and extra-curricular and co-curricular committee. IQAC of college also has student council representation.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

8

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Objective of the MITAOE Alumni Association is to provide alumni with resources, relationships and opportunities that help them make contributions of immediate and enduring value. The Alumni website serves as a powerful communication tool for enhancing the ties between the Alumni, its members and the students. They always contribute to the development of students by extending support in terms of providing expert talks, delivering seminars, and providing placements and internships. Many of them have been supported economically, in this pandemic support of Rs. 58000/- was given to one of the students. Many alumni are working in the field of social work; three different social internships have been provided by alumni to 30 students in the year 2021. They are working as active Board of Studies members at our institutes. Alumni also play important roles in many co-curricular and extra-curricular events. They provide mentorship and sponsorships to these events. The alumni association also started a Social awareness group Aadhar where students will take the lessons of Social responsibilities from their Seniors. The Placement cell of MITAOE also extends support to alumni for their career opportunities.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year **E. <2 Lakhs**

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 an effective leadership in tune with the vision and mission of the Institution

The Vision and Mission of MITAOE are framed and appraised as per the global trends and requirements in technical education. To achieve the stated vision and mission the leadership is effectively designed as per the guidelines given by Apex bodies/statutory-regulatory authorities and by-laws of the institute.

VISION

To develop MITAOE into a new-age learning centre with an excellent ambience for academics and research conjugated with a vibrant environment for honing the curricular and extracurricular skills of all its stakeholders to enable them to solve real-world problems and bring a positive change in society.

MISSION

To leave no stone unturned in our endeavour to ensure that every alumnus looks back at us and says, MITAOE has not merely taught me, it has educated me.

MIT AOE's strategic plan is built upon defined core values. All activities at MITAOE are people-centric, imparting essential skills of the 21st Century. This is drafted with the involvement of all stakeholders.

The implementation of the strategic plan and progress is reviewed quarterly. Thus the governance of the institute achieves the defined Vision and Mission through effective leadership.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mitaoe.ac.in/assets/images/pdf/6_1_1.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Governing Body and Director jointly work towards designing and implementing quality policies. Committee system exists in order to effectively implement decentralization and to have an inclusive approach with all types of members. Each and every committee is having its own role and responsibilities to carry on. There are various well-defined Statutory and Non Statutory committees assisting in ensuring effective governance.

Following operational level committees are working together in an institute:

High-level committee: Responsible for decision-making and overall development of the institute with future planning and vision setting.

? The Governing Body

? Statutory committees

Middle-level committee: Responsible for proper planning to achieve the goal and objectives set by higher-level management. By setting the milestones step by step

objectives (like decentralization) are achieved.

? Director

? Deputy director

? School Deans

? Section heads

? Student activity dean

Lower level committee: Various committees have been formed to work at the lower level

? These are members who work at-sight to achieve the set goal and objectives for the institution. Decentralization is adopted at every section in the institute, finance, administrative, student section, admission section, store and purchase section, human resources, training & placement and academics sections.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://mitaoe.ac.in/assets/images/pdf/MITAOE-Strategic-Plan-5-years.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Being an autonomous institute we have a strategic plan based on Vision and Mission. This perspective plan is implementable, realisable and need-based. Following are highlights of one practice successfully implemented:-

Corporate Relations and Placement Cell(CRPC):

The CRPC has a legacy of providing quality placements to students.

? The CRPC provides an excellent corporate interface by arranging interactive sessions with the veterans of the industry.

? The CRPC endeavours to provide excellent job opportunities to the students.

? The department works on aptitude test preparation, personality development, and industry-institute interactions.

Activity details: To

? Provide employability-based training through different curricular and co-curricular activities. Communication skills, professional skills and employability skills related

to mandatory courses in the curriculum.

? Provide the necessary training and assessment platforms for the personality development of the students from the

employability perspective.

? Organize various expert sessions, technical series, webinars, seminars, and panel discussions on current trends in technology or industry requirements in collaboration with

various industry professionals.

? Encourage the students for industry-sponsored-projects as well as consultancy-works

to solve real-time problems.

? Organize campus recruitment drives.

? Create opportunities for the students to work in the field of their choice with industry leaders.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/6_2_1.xlsx
Upload any additional information	View File

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

MITAOE is a multi-disciplinary autonomous engineering institute that functions under the aegis of MAEER. The salient features of the organogram exhibit following:

- Director is the executive head of the institute. He chairs the position which is the authority on all academic matters. He is also a member secretary of Governing Body, and chairman of the Academic Council.
- Three Deputy Directors (Academics, Corporate & Administration) and four Deans (Faculty and Staff Affairs, Research and Development, Dean Students Affairs) assist the Director in his executive roles.
- Registrar and senior officials in specific areas (Academic Affairs, Estate Management, Materials Management, Human Resource Management, Finance and

Accounts, Administration, Students and Autonomy, Personnel Training and Development, Research Publications and Public Relations, etc.) perform other administrative functions.

- Deputy Director (Academics and Research) additionally takes care of digital infrastructure related to academics.
- Deputy Director (Corporate Relations) takes care of industry institute interaction, training and placement activities, entrepreneurial activities, overall placement and higher studies and international collaborations.
- The grievance Redressal committee is constituted to prevent unfair practices and to provide a mechanism for the Redressal of their Grievances.

In order to enhance the interdisciplinary culture in the institution, the related departments (programs) are merged to form a school.

File Description	Documents
Paste link to Organogram on the institution webpage	https://mitaoe.ac.in/assets/images/pdf/6_2_2.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The teaching and non-teaching staff play a crucial role in the growth of the institute. The institute recognizes their needs and requirements on the professional as well as personal front. In order to enhance their productivity and boost their morale, the institute implements various effective welfare schemes. These welfare measures enrich the physical and mental health of the employees and provide a promising work atmosphere. This stimulates the productivity and commitment of the employee towards the institute.

The following are the welfare measures available for the teaching and non-teaching staff:

- Employees Provident Fund
- Gratuity for Non-Teaching Staff
- Partial Reimbursement for medical insurance of employee
- Accidental and health insurance for driver and electrician
- Casual, Earned, Maternity, Vacation, Medical and Professional Development Leave
- Reimbursement for the membership fee of professional bodies like IEEE/IET
- Promotion and increments based on Annual Appraisal Performance.
- Study/Lien leave for Ph.D./Post Doc
- Increment on the award of PhD.
- Felicitation of Faculty and Staff for outstanding Academic, Research and Administrative performance during Annual Social gathering.
- Financial support for attending FDP/ conferences/workshops/seminar
- Seed Money for research projects
- Financial support for Patents & publications in SCI/SCIE-indexed journals.
- Research and Development Incentive scheme

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

18

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

08

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

78

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution conducts regular internal and external audits. Qualified and certified internal and external auditors are appointed to conduct the audit on regular basis by the Trust, office. All the expenditures incurred by the College are maintained by the college accounts department and duly submitted to the trust from time to time. Utilization of funds in the institute is majorly through the procurement of resources, facilities and services provide by the institute.

The Internal auditor conducts the audit of accounts in which they verify all payments, receipts, journal vouchers, cash books, ledger accounts, bank accounts etc. The accounts are also subjected to an external audit. So far there have been no major objections. Minor errors are immediately corrected and precautionary steps are taken by the Institute to avoid the recurrence of such errors in future. The accounts department prepared the balance sheet and depreciation statement which was verified & signed by the Auditor.

PMSS(Prime-Minister Special Scholarship Scheme) Scholarships and Grants received from the government are audited separately by the Auditor & uploaded on authorized portals. As an act of transparency, the audited financial statements are published on the college website and also sent to the statutory and regulatory bodies

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

NIL

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The school deans and section Heads prepare and submit a budget for the financial year to the Director's Office by considering their academic requirements. In discussion with the Director, the summary of the budget is prepared by the account section and this summary is presented in the finance committee meeting. The final approval of the budget is provided by the finance committee. The approved budget is allocated to the respective schools and departments. The school dean and section head have the authority of spending the amount within the budget. The midterm review is taken by the Finance committee and appropriate action is taken accordingly.

According to the guidelines specified by the Management and Director, reports of sanctioned budget and actual expenses are periodically maintained. The fund is optimally utilized for Student development activities, Research & Development, Training & Placement, Software & Internet charges, Library Books/Journals, Repair & Maintenance, Printing & stationary, Equipment & Consumables and Furniture & Fixtures etc.

The mobilization and utilization of the fund are reflected in the balance sheet. The institute's management never compromised on providing high-quality engineering education at an affordable cost to the students as per the directions of the regulating bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

- Teaching-Learning system: Online to offline mode
- Assessment reforms
- Enhancement of compatibility of students with external world through B TechGuru and AMCAT
- Enhancement in quality research publications by faculty and students
- Enhancement in Startup activities through Entrepreneurship Development Cell
- Students participation and technical and non-technical activities
- Organization of seminar/workshops for faculty and students on topics related to research, IPR, consultancy, etc.
- Revision in Final year UG curriculum
- Signing MOU to enhance industry-institute interaction

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/IQAC_Report.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC pledges essential steps to the quality of the teachinglearning process through consistent and constant follow-up arrangements.

The institute followed the Choice Based Credit System(CBCS) and implemented the AICTE curriculum model of 160 credits for autonomy curriculum.

The faculty members of institute designed and developed individual courses curriculum by taking consideration of inputs from all stakeholders.

Education Transformation at MIT AoE: Major Actions:

- Faculty Development Programs
- Blended Learning and Engagement
- Academic Flexibility
- Skill Development
- Creative and Critical Thinking
- Value-Based Education
- Summer Internship (SIP) and Semester-long Internship (SLIP)
- Student's Academic Experience
- Assessment Reforms
- Industry Collaboration
- Effective use of ICT tools like Moodle, Kahoot, Canvas, etc.

The assessment and attainment of Courses Outcomes (CO) and Program Outcomes (PO) has been done by considering Direct and Indirect assessment tools.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mitaoe.ac.in/assets/images/pdf/IQAC_Report.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://mitaoe.ac.in/assets/images/pdf/65_3.PDF
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

Activities are conducted in view of gender equity and sensitization

Internal Complaint Committee (ICC):

The institute has constituted the Internal Complaints Committee (ICC). The objective of the ICC is to evolve a permanent mechanism for the prevention of and redress of sexual harassment cases and other acts of gender-based violence at the institute.

Expert talk on gender sensitization :

The Institute also conduct gender sensitization program and also organize counselling sessions of Dr. Bapat for each department during academic hours.

Yourdost App:

The institute also arranged the 'Yourdost' app where students can lodge the complaint any time and there are counsellors who attend those complaints by keeping 100% privacy.

Student council:

The election is held and equal numbers of seats are reserved for boys and girls students.

The institute every year nominates and elects ladies representatives for each department. And also take care while forming students committee.

Women's day celebration:

MITAOE celebrates every year women's day. The objective is to commemorate the cultural, political, and socioeconomic achievements of women.

Safety and Security:

CCTV facility is provided at each corridor in the campus. We have one lady guard at campus as well as at each check post there is one guard.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The institutes facilitate techniques for management of degradable and non-degradable waste.

Different bins have been placed at different departments to ensure that solid waste are segregated at the source.

MITAOE promotes the principle of 3R'S (Reduce, Reuse and Recycle) with the help of Vermi Composting plant,

- Reduce- Prevention of waste generation. Most importantly reducing the waste which might contain toxic constituents.
- Reuse- During the resource recovery maximum fraction of the waste that can be recovered in any way has to be segregated and brought into use.
- Recycle- The waste that can be processed in some manner to produce any desirable product which can be brought into use has to be segregated to.

Presently, sewage management is carried out in association with the Alandi Municipal Council. For the personal protection it has been advised to use masks, wearing head gears, eye covers, apron, gloves and boots as they help in fighting the transmission of infection. The institute has organized Swatch Bharat Abhiyaan and NSS activities.

The water which is released from the outlet of RO plant is ionized and we are utilizing it for agriculture and gardening. Some amount is also used for cleaning the floor and classrooms.

Responses:

Describe within 200 words concerning to following points

- ? Solid waste management
- ? Liquid waste management
- ? Biomedical waste management
- ? E-waste management
- ? Waste recycling system

? Hazardous chemicals and radioactive waste management

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

7.1.5 - Green campus initiatives include

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

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

B. Any 3 of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information:</p>	<p>B. Any 3 of the above</p>
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Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

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

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

MITAOE provides an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities through various NSS activities

With great fervor national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Dr. Bhimrao Ambedkar, and Sarvapalli Radhakrishanna are celebrated.

MITAOE have dance club which conducts various programs and the workshops for the students.

MITAOE organizes an annual gathering in the month of March. Provide platform for students as well as teachers to show case there skills and talents.

The institute organizes a program at the International level to bring peace and religious harmony on 2nd October at MITADT Loni under the World peace Dome.

On the college campus, we organize special weeks, social

activities and visit Government Schools from Alandi and interact with children.

MITAOE organizes Cleanliness Awareness programs every year. During Alandi -Pandharpur Palkhi Wari, students volunteered near Indrayani river and Dyaneshwar Maharaj Temple.

We also organized Traffic control awareness programs to create awareness in our college student's nearby villages about following traffic rules. We also organized a stationary donation camp and cloth donation camp for the needy people.

We have different clubs technical, non-technical such as Singing, Dance, Yoga, meditation, etc.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

MITAOE sensitizes the students and the employees of institution to the constitutional obligations which enables them to conduct as a responsible citizen.

The institute conducted awareness programs on reduce of plastics, cleanliness, Swachh Bharat, etc. involving students.

Food and Book distribution:

Various program such as distribution of Food, books, clothes are done to various Ashrams around the city.

The institute conducted awareness programs through NSS on the rural development, cleanliness, Swachhta Abhiyaan, Unnat Bharat Abhiyaan etc. involving students. The college establishes

policies that reflect core values.

Guest lectures and workshops are arranged by eminent personalities to deliver lectures on ethics, values, duties, and responsibilities and on saving the environment. Ethical Values, rights, duties, and responsibilities of citizens are some of the topics that are enlisted in Elocution, debates, and class presentation.

Code of conduct is prepared for students and staff. The affiliating University curriculum is framed with mandatory courses like Professional ethics, Constitution of India as a small step to inculcate constitutional obligations among the students.

A separate NSS unit is started exclusively to encourage the students and unit is successfully conducting activities to serve society for Child education, Literacy program. Blood donation, Medical camp, Meditation Yoga program were conducted.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the 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 programmes, 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

MITAOE is committed to promote ethics and values amongst students and faculty to encourage the same. Institution celebrates/ organizes national and international commemorative days, events and festivals.

1. Teachers day (birthday of Dr. Sarvapalli Radhakrishanna)
2. Engineers day (Birthday of Sir M. Visvesvaraya).
3. International Women's day
4. International Yoga day
5. Independence day
6. Republic day
7. World environment day
8. Ganesh Festival

Birth and Death of anniversary of great personalities:

1. Shivaji Mahraj Jayanti
2. Mahatma Gandhi
3. Dr. B. R. Ambedkar

Institute celebrates Republic day on 26th January every year, commemorating the adoption of Indian constitution and spreading the message that India is largest democratic country in the world.

Independence Day is celebrated every year on 15th of August, parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule.

Gandhi Jayanti is celebrated every year on 2nd October to understand the ideology of our great leader Mahatma Gandhi.

International Yoga day is celebrated on 21st June every year. To make everyone aware on how the Yoga embodies unity of mind and body.

Shri Chatrapati Shivaji Maharaj Jayanti is celebrated on 19th February every year. It was attended by students including teaching staff.

Web link to College magazine:

<https://mitaoe.ac.in/AjaanVriksha.php>

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

<https://mitaoe.ac.in/assets/images/pdf/7-2-Best-Practices->

AQAR-2021-22.pdf

File Description	Documents
Best practices in the Institutional website	https://mitaoe.ac.in/assets/images/pdf/7-2-Best-Practices-AQAR-2021-22.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The journey of MITAoE Entrepreneurial Development (ED) Foundation started in 2018-19 intending to inculcate entrepreneurship and innovation culture amongst students. The ED cell is one of the leading contributors in the field of Entrepreneurship and Startup Incubation to cultivate and stimulate entrepreneurial aspirations to create innovative, sustainable, profitable, and job-creating Startups. To date, entrepreneurship education has been provided around 1800+ students and 8 faculties have been trained as entrepreneurship educators. MITAoE conceptualized and successfully implemented various initiatives to help students, young entrepreneurs, and professionals in their entrepreneurial journey.

- A total of 11 start-up started in 2021-22
- Four Star for successfully achieving the milestone by IIC the Institution's Innovation Council
- E-Summit '21-A national-level virtual and annual flagship event organised by the Entrepreneurship cell
- Mr. Tejas Sonkule and team of Kisanlends Fintech Pvt Ltd received the recognition from Startup India, DIPP
- Mr. Karan Patil and team of HunarPro Skilling Pvt. Ltd. received the recognition from Startup India, DIPP
- Mr. Hardik Arora and team of Mickey Creation and IT Consultancy Pvt. Ltd received the recognition from Startup India, DIPP
- Mr. Shaji Daniel has shortlisted among 10 at India level for "Pay Forward-Support the Next Gen Entrepreneurs" by Wadhvani Foundation

File Description	Documents
Appropriate link in the institutional website	https://mitaoe.ac.in/assets/images/pdf/731Evidence2021-22.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Core Focus Areas

Teaching-Learning Process, Research & Consultancy, Extra Curricular, Student Support, and Success, Enhanced Student Experience, Enhanced Alumni Engagement, People and Welfare, social media Connect, Entrepreneurial and Innovation Ecosystem, Campus and Services, and Sustainability.

Plan of Action for Next Academic Year

Integrating design, technology, and business thinking in the curriculum for innovative solutions for industry problems. Value-based education integrates universal life skills, professional skills, and sustainability. To foster a culture of Research and Innovation seed amount for faculty and student research projects, IPR, and Conferences. Motivate faculty for consultancy projects. Motivate students for the hackathon and Semester Long Internship Program to apply their knowledge and skills for solving real-time industry problems. Organize seminars, webinars, and expert talks to discuss current technology trends. Counsel the students to improve their career exposure across the globe. Encourage club activities by providing the best club of the year, outstanding club members, and best club coordinator awards. Encourage alumni to extend their support in student placement and internship. To follow the best practices of HR for the motivation and welfare of employees. Encourage to adoption and strengthening of the National Innovation and Startup Policy for Students and Faculty policy for all institute stakeholders.