Yearly Status Report - 2019-2020

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 own campus	**Yes**
Phone no/Alternate Phone no.	**02030253500**
Mobile no.	**9689907476**
Registered Email	**director@mitaoe.ac.in**
Alternate Email	**principal@maepune.ac.in**
Address	**DehuPhata,Tal.Khed,Alandi(D)**
City/Town	**Pune**
State/UT	**Maharashtra**
Pincode	**412105**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	13-Oct-2015
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Prof. Sunilkumar Bhagat
Phone no/Alternate Phone no.	02030253500
Mobile no.	9689907395
Registered Email	iqac@mitaoe.ac.in
Alternate Email	dean.qa@mitaoe.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.mitaoe.ac.in/assets/images/pdf/AQAR-2018-19.pdf

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://mitaoe.ac.in/mitaoe-academic-calendar.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.13	2014	24-Sep-2014	31-Dec-2021

6. Date of Establishment of IQAC	03-Mar-2014

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Quality System Auditor's Training	17-Jul-2019 03	25

Surveillance Quality System Audit	05-Aug-2019 03	330
International Conference on Signal and Data Processing (ICSDP 2019)	15-Nov-2019 02	50
NIRF participation(years)	01-Jan-2020 05	148
Academic Audit	15-Nov-2019 01	2700
Product Audit	03-Apr-2020 03	660
Transformation through Innovation and Creativity Workshop	29-Jun-2020 05	22
Question Paper Audit	15-Jan-2020 15	8
International Conference on Signal and Data Processing (ICSDP 2019)	15-Nov-2019 02	50
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File]()
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

- Online Teaching Learning through Web Conferencing Tool • Implementation of ERP
- Transformation through Innovation and Creativity Workshop • Tech Webinar Series

by Experts from Industry • Webinar on NAAC Accreditation for Autonomous College

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

Plan of Action	Achivements/Outcomes
Workshop/Seminar/Webinar on Accreditation / IPR	Increased Awareness and Active Involvement in the Accreditation Process ,Increased the Proficiency with respect to IPR
Involvement of Industry Expert	Bridged the Gap between the Industry and Academia
Surveillance Quality System Audit	Organization Authenticated and retained its Certification 2009:15
Quality System Auditors Training	Trained Auditors with respective Quality System
Implementation of LMS(Moodle)	Engaged the students effectively
Implementation of ERP	Empowered Digital Environment
Quality System Audit	Organizational Process Improved
Question Paper Audit	Quality of Question Paper Enriched
Product Audit	Competence of the students Increased
Academic Audit	Teaching Learning Enhanced
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	11-May-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2020**

Date of Submission	**24-Jan-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The Indian educational system is going through a transformation in many folds. To cater to tech savvy students, requirements and to formulate a healthy communication system, we at MITAoE have adopted a web mobile based campus management solution. Coll Poll ERP is a digital learning analytics platform to address the rising complexity, competition and digital compliance. It has reformed the conventional transaction based system into a personalized mobile based solution for administrators, faculty, and students. This ERP can be easily customized and provides a universal platform which engages the teaching learning community and connects effectively. Coll Poll ERP has a bundle of modules like Admission, Fee Management, Academics, Learning Management System, Hostel Management, Placement Management, Examination and Human Resource Management etc. The main objective of implementing Coll Poll ERP is resolving the issues that occur in manual operation and to give the academic, administrative staff and students a robust system. Also to make all the processes transparent, faster and user friendly. Coll Poll ERP Admission module helps in customizing forms at programme and quota level, tracks form submission progress, mass upload through CSV for database sync, email, SMS and in app notifications that save the time and assists the administrative staff and the students. The Academic module helps in term, timetable, attendance and assignment management. It allows mapping curriculum and course activation. The Learning Management System Module constantly engages students effectively with the help of class management, course planner, assignment, quiz and discussion forum. LMS helps us in providing web links and learning material (videos, pictures, documents) also create new assignments with title and description, set up a due date and configure submission type etc. To enhance student prospects, help them tap the right opportunity at the right time. Coll Poll ERP provides a Campus engagement and student welfare module. This module helps us in providing enotice, event management, social

networking, clubs and chapter management. This supports us in the holistic development of the students. There are several other modules such as Career, Placement and Internship which map the organizational requirements with students skills and academic abilities. The examination Module helps in pre examination management, schedule management, the conduct of examination and handling post examination queries. Hostel management has helped in digitizing a very mundane job of maintaining the attendance, managing room allotment, leave management and also payments. This aids in tracking the information very effectively and efficiently. To manage the database of outgoing and current faculty and staff, Human Resource Management modules are user friendly. It allows to track attendance and leave of the employees. Coll Poll ERP is being well received by the teaching earning and administrative community at MITAoE. It assists us cultivate a digital ecosystem and to create a much needed ambience for our budding engineers. Coll Poll ERP helps us make them more comfortable with changing requirements of the global community and also to keep them in pace with the inevitable digital transformation.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	CH	Chemical Engineering	08/08/2019
BTech	CV	Civil Engineering	08/08/2019
BTech	CS	Computer Engineering	08/08/2019
BTech	EX	Electronics Engineering	08/08/2019
BTech	ET	E&TC Engineering	08/08/2019
BTech	IT	IT Engineering	08/08/2019
BTech	ME	Mechanical Engineering	08/08/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year				
Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Chemical Engineering	01/08/2019	CH412 Energy Engineering	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH442 Energy Management and Audit	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH413 Petroleum Refining Technology	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH443 Petrochemical Engineering	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH414 Biochemical Engineering	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH 444 Bioprocess Technology	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH 311 Process Modeling and simulation	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH 312 Piping Engineering	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH 331 Process Engineering	01/08/2019
BTech	Chemical Engineering	01/08/2019	CH 421 Process optimization	01/08/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Chemical, Computer, Civil, Electronics Telecommunication, Electronics, Mechanical,	08/08/2019

| Information Tech | | |

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Environmental Science	01/07/2019	676
Engg Economics	01/07/2019	810
Sociology	01/07/2019	810
Business Strategies	01/07/2019	173
Programming in Java	01/07/2019	474
Project – I	01/07/2019	685
Summer Internship	01/07/2019	771
Project – II	01/07/2019	838
System Engineering	01/07/2019	672
Engineering Informatics	01/07/2020	681
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Chemical, Computer, Civil, Electronics& Telecommunication, Electronics,Mechanical, Information Technology	810
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Feedback plays an important role in critically analyzing the work systems and then thinking and implementing the best possible solution to perform better, in an organization. Believing in this, being an academic Institute, MIT Academy of Engineering understands the role of feedback in learning new things and overcoming the earlier lacunas. The institute periodically takes the feedback from all the stakeholders focusing on the improvement in the teaching-learning approaches and Strategies. These structured pointers include the faculty feedback, alumni feedback, student feedback, course exit surveys, Parents feedback and employer feedbacks etc. The feedback received by the stakeholders empowers the institute towards a holistic development. The Feedback from

students for the respective course instructors is taken twice in a semester on the teaching-learning and evaluation. The students give their valuable comments about the instructors on their punctuality and regularity in the class, conceptual clarity and doubt clearance discussions, instructors' planning or preparation for teaching and enabling effective learning in class or laboratory, timely internal assessment and evaluation, discussion about the latest development and career opportunities, interactivity and communication skill, involvement for effective student engagement/participation, discussion about course outcomes and expected competence, etc. The feedback on the various extracurricular and Co-curricular activities is taken through coll poll (LMS of the institute) and the online surveys. These sets of feedback are discussed and analysed in the Institute Development Committee, as well as in Academic and Governing councils. Based on the Course instructors' experiences in a proposed set of actions are also mapped for further revisions of the courses. Teachers also provide feedback on a particular course in terms of reviews. This course review is used in designing a particular course. The course exit surveys are also conducted at the end of the course for further improvement in the course, if any. One of the vital feedbacks employer's feedback Placement office and corporate relation office regularly collect feedback from the companies visiting for campus recruitment and from the companies offering internships to the students. This feedback covers the various aspects like technical knowledge of the candidate, communication skills, managing skills, Attitude and Behavior and the core competency areas of the students. The alumnus feedback on overall quality improvement is taken. Their suggestions on industry involvement in curriculum development, Soft skill training, skill set generation, current trends to be included as a part of the curriculum are well taken into consideration. The development of problem-solving skills through project development is important suggestion from our alumni on which the institute is working hard. Parents are invited for discussions regarding the efforts being taken by the institute for the overall development of students, progress of the ward and suggestions from the parents for the further improvement in the performance of students and the institute. The active interactions of Parents and Teachers on the Vision Mission, Academic Facilities, Administrative Facilities and Placements are carried out. The feedbacks are well taken and wherever possible the institute incorporates these valuable suggestions

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Mechanical Engineering	180	180	111
BTech	Information Technology	60	60	60
BTech	Electronics Engineering	60	60	29
BTech	Electronics and Telecommunication Engineering	120	120	105
BTech	Computer Engineering	120	120	120
BTech	Civil Engineering	60	60	40

BTech	Chemical Engineering	60	60	30
Mtech	Computer Engineering	18	1	1
Mtech	Electronics Engineering	18	1	1
Mtech	Mechanical Engineering	18	1	1

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2962	26	142	0	9

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
151	151	5	34	34	6

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

MITAoE has a well-established student mentoring system from First Year to Final Year. After the first year admission, students' contact details are collected online. They are divided into several batches having approximately strength of 20 to 25 and one faculty mentor is assigned to every batch. The Institute has a well-designed mentoring form. The assigned mentors interact with the students and collect their details from them. The form includes name, email, contact number of self and parents as well, details of his division, roll no., photo, educational details, etc. along with the supporting documents. Accordingly, a complete file is prepared and maintained by every faculty mentor. After completing the first year, when students enter the core departments i.e. the second year, they are assigned new mentors. Similarly, the second mentors keep the complete record of students. Apart from collecting the students information and maintaining the record, the mentor plays the following roles: 1. Asks students to meet every week during office hours and share issues faced by them. 2. Mentors converse on their academic and auxiliary activities. 3. If students have any issue, in that case, the mentor counsel them or communicate to the concerned authority and try their best to resolve the issue. 4. If students' attendance is not up to the requirement in that case mentors contact them and confirm the reason for the same. They motivate the student to attend the classes. If students are having any problem then they are given an appropriate solution. If, required mentors contact parents too. 5. Mentors inform the class coordinators about students achievements. The achievements may include participation in an event, winning prizes, excellent work at any technical event or it can be extra-curricular. The complete student record is then carried forward to the next academic year

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio

2988	151	20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
150	151	0	9	30

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mr. Venugopal Kulkarni	Assistant Professor	Outstanding student chapter award 2019 from IMechE, India
2020	Mr.Jayant H. Devare	Assistant Professor	AWS Educate Cloud Ambassador - Faculty Ambassador from GOOGLE INC.
2020	Dr. Sandeep Shewale	Assistant Professor	Best Young Researcher (Male) from Institute of Technical and Scientific Research
2019	Mr. Shridhar Khandekar	Assistant Professor	Receive Award of KaushalacharyaSamadar 2019, by ministry of Skills and Development, Govt. of India.
2019	Mr. Shridhar Khandekar	Assistant Professor	Outstanding Contribution as EXPERT for Mobile Robotics at 'WorldSkills Competition 2019", Kazan, Russia from Skill India, Ministry of Skill Development and Entrepreneurship

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	614650710	2019-2020	18/12/2019	27/12/2019

BTech	614619110	2019-2020	18/12/2019	27/12/2019
BTech	614624510	2019-2020	18/12/2019	27/12/2019
BTech	614637210	2019-2020	18/12/2019	27/12/2019
BTech	614637610	2019-2020	18/12/2019	27/12/2019
BTech	614624610	2019-2020	18/12/2019	27/12/2019
BTech	614661210	2019-2020	18/12/2019	27/12/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
1121	3012	37.10

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://mitaoe.ac.in/assets/images/pdf/Student-Performance-and-Learning-Outcomes.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
614661210	BTech	Mechanical Engineering	249	245	98.3
614624610	BTech	Information Technology	93	90	96.8
614637610	BTech	Electronics Engineering	87	83	95.4
614637210	BTech	Electronics &Telecommuni cation Engineering	180	169	93.9
614624510	BTech	Computer Engineering	178	173	97.2
614619110	BTech	Civil Engineering	83	79	95.2
614650710	BTech	Chemical Engineering	94	93	98.9

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.mitaoe.ac.in/assets/images/pdf/2018-19_2.6_student_satisfaction_survey.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Ms. M. D. Sardare
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	730	AICTE (MODROBS)	12.09	9.67
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.0135

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Awareness applications of IoT organized by SEE in association with IET pune LN	Electronics and Telecommunication Engg	20/02/2020
LaTeX for Paper and Report Writing	Electronics and Telecommunication Engg	14/02/2020
Awareness applications of IoT organized by SEE in association with IET pune LN	Electronics and Telecommunication Engg	20/02/2020
LaTeX for Paper and Report Writing	Electronics and Telecommunication Engg	15/02/2020
Teaching with MATLAB	Electronics and	03/03/2020

	Telecommunication Engg	
Introduction to Fusion 360 Course for FYB. Tech Students	Mechanical Engineering	06/05/2020
Training on Dassault 3D experience CATIA	Mechanical Engineering	01/07/2019
Decoding Digital Acquisition system using Labview Software	Mechanical Engineering	11/02/2020
Mech Analyser software	Mechanical Engineering	13/10/2019
Welding Simulator	Mechanical Engineering	30/01/2020
CAD Modelling by CATIA software	Mechanical Engineering	11/02/2020
GL on Data Science - Industry Perspective	Computer Engineering	12/10/2019
Workshop on R Programming	Computer Engineering	18/10/2019
GL on Animation with 3D Blender	Computer Engineering	22/10/2020
GL on Ethical Hacking	Computer Engineering	23/10/2019
Workshop on RNN and LSTM	Computer Engineering	10/09/2019
GL on Significance Application DS - Industry Perspetive	Computer Engineering	11/09/2019
Workshop on Machine Learning	Computer Engineering	13/03/2020
Guest Lecture on Spark and Scala Programming Data Streaming	Computer Engineering	21/02/2020
Guest Lecture On Kernel Methods amp Real Time Instances of Pattern Recognition	Computer Engineering	31/01/2020
Nation level Webinar on Intellectual Property Rights Protection through Patent –Dr Shriram	RnD Cell	06/06/2020
Devising Communication Strategy for Organization- Dr Shantanu Ganguly	RnD Cell	13/06/2020
National level Webinar on Research Data Management: Curation, Share, Use and Reuse	RnD Cell	07/06/2020
Maximizing Visibility and Impact of Research output- Dr Nabi Hasan	RnD Cell	20/06/2020
National Level Webinar on "Publication Ethics and Predatory Journal	RnD Cell	23/06/2020

Stake holders meeting	ED Cell	22/11/2019
Pitch Day	ED Cell	18/02/2020
Start-up Lab Program	ED Cell	01/03/2020
Diagnostics session with Ankit Machar	ED Cell	04/03/2020
Webinar by Mr. Karan Patil, CEO Hunar Pro	ED Cell	08/03/2020
Discussion related to Break Even and Feedback by Jury during Diagnostics session	ED Cell	13/04/2020
Diagnostic Session	ED Cell	28/03/2020
Innovation Day	ED Cell	14/02/2020
INKIT	ED Cell	15/10/2019
IPR Ministry of Micro Small And Medium Entreprises (MSME) in association with MITAoE Entrepreneurial Development Foundation	ED Cell	19/11/2019
Practice venture booster	ED Cell	16/11/2019
Incubation Orientation Program	ED Cell	18/11/2019
Introduction to Latex Software	Electronics and Telecommunication Engg	17/08/2019
Machine Learning : Industry Exposure	Electronics and Telecommunication Engg	17/08/2019
Introduction to Latex Software	Electronics and Telecommunication Engg	24/08/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
AWS Educate	Mr Jayant H Devare	AWS Educate	06/04/2020	Faculty Ambassador
Certificate of Achievement	Mr. Jayant H Devare	International Collegiate Programming Contest, ICPC Asia Kanpur Preliminary Online Contest	18/10/2019	International
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	MITAOE Enter pruenerial	Self Financed	Kosity Food	Food Processing	18/11/2019

1	MITAOE Enter pruenerial Development Foundation	Self Financed	RAB Ride	Mobility	18/11/2019
1	MITAOE Enter pruenerial Development Foundation	Self Financed	TechSword Solutions	IT Solutions	18/11/2019
1	MITAOE Enter pruenerial Development Foundation	Self Financed	Mickey Creation	IT Solutions	18/11/2019
1	MITAOE Enter pruenerial Development Foundation	Self Financed	Contest Cup	E commerce	18/11/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication Engineering	2
Computer Engineering	2

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Chemical Engineering	2	0.6
National	ETX Engineering	1	0
International	Mechanical Engineering	27	2.38
International	Computer Engineering	19	01
International	Chemical Engineering	2	0.64
International	Engineering Sciences	1	3.85
International	Civil Engineering	2	1.2
International	Information Technology	8	1.1
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication

Electronics and telecommunication	16
Electronics	5
Mechanical	5
Computer	10
Information technology	15

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
System and Method for Automatic Switching of Headlight Beam of Automobiles	Filed	202021026111	21/06/2020
Puncture Assistance Device for Easy Movement of Two Wheeled Automobile	Published	201921030007	31/01/2020
Mechanism for removing Leaves and thorns from rose flower stem .	Published	201921005801	13/09/2019
Water Distribution Method and System	Filed	201921036651	12/09/2019
Battery Life Management System and Method	Filed	202021005342	06/02/2020
Puran Making Machine	Filed	202021020202	16/05/2020
Apparatus and method for detecting Thermal conductivity of Metallic rods	Filed	202021026210	21/06/2020

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
CFD Investigation on Fluid Flow Analysis in Fluid Separator	Shinde, P., Kothmire, P. Bhalerao, Y. J	Techno-Societal 2018	2019	0	MIT Academy of Engineering	0
Optimization of process	Ruhatiya C., Shaosen	Energy Storage Materials	2019	0	MIT Academy of Engineerin	0

Title	Authors	Journal	Year		Institution	
conditions for maximum metal recovery from spent zinc, manganese Batteries: Illustration of Statistical based Automated Neural Network approach	S., Wang C., Jishnu A. K., Bhalerao, Y. J.,				g	
Self-Assembled Glycobis(acrylamide)-Stabilized Gold Nanoparticles for Fluorescent Turn-on Sensing of Lectin and Escherichia coli	A B Kangare	ACS Applied Nanomaterials	2019	0	MIT Academy of Engineering	0
Hydrodynamic optimisation to control membrane fouling in glycyrrhizic acid (GA) recovery from the licorice root extract	SP Shewale	Indian Chemical Engineer	2019	0	MIT Academy of Engineering	0
Comparison of Moments For Pile-Cap Design	Sushilkumar B. Magade and Ramakant K. Ingle	SoilMechanics and Foundation Engineering	2019	0	MIT Academy of Engineering	0
Effect of Clear Edge Distance on Failure of Pile Cap	Sushilkumar B. Magade and Ramakant K. Ingle	ACI Structural Journal	2020	0	MIT Academy of Engineering	0
Hybrid	U.Y. Verma	Internatio	2019	0	MIT	0

Title of the Paper	Name of Author	Title of journal	Year of publication	Number of citations	Institutional affiliation	Number of citations
mode of medical image watermarking to enhance robustness and imperceptibility		nal Journal of Innovative Technology and Exploring Engineering			Academy of Engineering	
Optimization of dynamic properties of hybrid composite shaft with newly developed resin (NDR) using grey relational analysis	Patil S. D. Bhalerao Y. J.,	International Journal of Structural Integrity	2019	0	MIT Academy of Engineering	0
Integrated Taguchi-simulated annealing (SA) approach for analyzing wear behaviour of silicon nitride	Ghalme S., Mankar A. Bhalerao Y.	Journal of Applied Research and Technology	2019	0	MIT Academy of Engineering	0
Blend recognition from CAD mesh models using pattern matching	Vaibhav J. Hase, Yogesh J. Bhalerao, Saurabh Verma and G. J. Vikhe	AIP Conference Proceedings: Vol 2148, No 1	2020	0	MIT Academy of Engineering	0
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Optimization of dynamic properties of hybrid composite shaft with	Patil S. D. Bhalerao Y. J.,	International Journal of Structural Integrity	2019	5	0	MIT Academy of Engineering

newly developed resin (NDR) using grey relational analysis						
Optimization of resources in Cloud Computing using Virtual Machine Consolidation	Mr. Sunil S Mhamane	2nd International Conference on Smart Systems and Inventive Technology (ICSSIT 2019)	2019	1	0	MIT Academy of Engineering
CFD Investigation on Fluid Flow Analysis in Fluid Separator	Shinde, P., Kothmire, P. Bhalerao, Y. J	Techno-Societal 2018	2019	0	0	MIT Academy of Engineering
Optimization of process conditions for maximum metal recovery from spent zinc, manganese Batteries: Illustration of Statistical based Automated Neural Network approach	Ruhatiya C., Shaosen S., Wang C., Jishnu A. K., Bhalerao, Y. J.,	Energy Storage Materials	2019	5	0	MIT Academy of Engineering
Self-Assembled Glycobis(acrylamide)-Stabilized Gold Nanoparticles for Fluorescent Turn-on Sensing of Lectin and Escherichia coli	Dr .A.B. Kangare	ACS Applied Nanomaterials	2019	0	0	MIT Academy of Engineering

Hydrodynamic optimisation to control membrane fouling in glycyrrhizic acid (GA) recovery from the licorice root extract	Dr.S P Shewale	Indian Chemical Engineer	2019	0	0	MIT Academy of Engineering
Comparison Of Moments For Pile-Cap Design	Sushilkumar B. Magade and Ramakant K. Ingle	Soil Mechanics and Foundation Engineering	2019	1	0	MIT Academy of Engineering
Effect of Clear Edge Distance on Failure of Pile Cap	Sushilkumar B. Magade and Ramakant K. Ingle	ACI Structural Journal	2020	1	0	MIT Academy of Engineering
Hybrid mode of medical image watermarking to enhance robustness and imperceptibility	U Y Verma	International Journal of Innovative Technology and Exploring Engineering	2019	1	0	MIT Academy of Engineering
Integrated Taguchi-simulated annealing (SA) approach for analyzing wear behaviour of silicon nitride	Ghalme S., Mankar A. Bhalerao Y.	Journal of Applied Research and Technology	2019	5	0	MIT Academy of Engineering

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	10	317	0	63
Resource persons	0	8	0	7

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Nil	Nil	Nil	0

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. Rushikesh Borse,School of Electrical Engineering	Supervise Regression Learning	Great Lakes Learning, Bangalore	52000	70
Mr. P. R. Hatte Mr. M. M. Shah,Mechanical Engineering Department Mr. B. R. Patil Mr. A. M. Kolhe Mr. A. K. Changude Mr. M. W. Balwankar Mr. A. B. Belvekar Mr. V. P. Kulkarni Mr. T. B. Sonawane Mr. Mahendra Shete Mr. Sudhir Gandhi,	JCB Pace (Program for associate career enhancement	JCB India Ltd., Pune	117720	10

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Building Eco San Toilets	MITAOE	3	100
Unnat Bharat Abhiyan Themes- Basic Amenities	MITAOE and Ministry of Education government of India	7	17
Blood Donation Camp	Central Library/Nss	15	129
Ganesh Idol making(Ecofriendly)	MITAOE	1	72
Free Medical Check Up	Central Library/Nss	15	450

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
2nd IEEE international conference on Emerging Smart computing Information (IEEE-ESCI 2020)	Best paper of the Session at IEEE ESCI 2020	AISSMS IoT, Pune	4
IDEATIONS, An International Level Power Point Competition	Second Prize	Ideas and Innovations	3
Teacher of the Year	Best Teacher of the year award by MAEERS Pune to Dr. Dipti Sakhare	MAEERS Pune	1
World Skill International 2019 , Kazan Russia	Medallion of Excellence - Mobile Robotics Mr. OM Gourav, ENTC, MITAOE.	World Skill International	1
SAE Aero Design Challenge 2020	All india rank 6, 4th highest score in flight round	SAEINDIA Southern Section	7
World Skill International 2019 , Kazan Russia	Medallion of Excellence - Mobile Robotics Mr.Rohan Hanagi , ETX , MITAOE	World Skill International	1
Felicitation Ceremony for outstanding performance	Mr.Rohan Hanagi , ETX , MITAOE Reward of Rs 2,00,000 to each competitors	Ministry of Skill Development Entrepreneurship , Govt. Of India.	1
Mindspark 19 – Machtrix	Second Prize	COEP, Pune	1
Project Management for Managers, NPTEL Online Certification	Elite	IIT, Roorkee Swayam	11
Techfest 20 Crane-O-Menia, IIT Bombay	First Prize	IIT Bombay	1
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites

National Service Scheme	NSS MITAOE / NSS SPPU	Traffic awareness	3	100
National Service Scheme	NSS MITAOE / NSS SPPU	Participated Guiness Book of World Records by NSS SPPU	3	100
National Service Scheme	NSS MITAOE / NSS SPPU	Ganesh Visarjan	3	100
National Service Scheme	NSS MITAOE / NSS SPPU	Tree Plantation (500 trees planted)	3	40
National Service Scheme	NSS MITAOE / NSS SPPU	"Swachha Wari, Nirmal Wari, Harit Wari	3	80
National Service Scheme	NSS MITAOE / NSS SPPU	Eco-San toilet building	3	100
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Semester Long Internship Program	Students	DRDO and RDE , Kalsas Pune	180
Project Work	Students	Accurate Automation and Reconditioners	365
Workshop for students	Students	MITAOE	1
Industrial Visit at Nano Technology lab (IIT Bombay)	Students and Faculty	MITAOE	1
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
TY B Tech Internship	4-6 months	Amazon	01/01/2020	31/05/2020	01
TY B Tech Internship	4-6 months	Infosys,Plot No. 1, Rajiv Gandhi, Infotech Park, Hinjawadi, Taluka Mulshi, Pune	01/01/2020	31/05/2020	04

			411 057			
TY B Tech Internship	4-6 months	ZS Associates, Tower 3, World Trade Centre, Kharadi, Pune, Maharashtra 411014	01/01/2020	31/05/2020	08
TY B Tech Internship	4-6 months	Eaton Fluid Power Limited Hydraulics Division 145, Off Mumbai-Pune Road Pimpri, Pune – 411018	01/01/2020	31/05/2020	01
TY B Tech Internship	4-6 months	Vignet IT Solutions, Sr. No. 169/1, West End Centre Iii Building D, 5th Floor, Aundh Pune	01/01/2020	31/05/2020	02
TY B Tech Internship	4-6 months	Data Fortune Software Solutions,403, 4th Floor, Pentagon P-3, Magarpatta, Hadapsar, Pune, Maharashtra 411028	01/01/2020	31/05/2020	03
TY B Tech Internship	4-6 months	Tata Motors Limited, Pimpri 411018	01/05/2020	31/05/2020	02
TY B Tech Internship	4-6 months	Cognizant, Block-2, Plot No. 28. Quadron Business Park Pvt Limited Rajiv Gandhi Infotech Park MIDC, Phase- II Hinjawadi	01/01/2020	31/05/2020	12

TY B Tech Internship	4-6 months	Surgeri Technology Pvt LTD, A 6, Rohit Society, Ideal Colony, Paud Road, Kothrud Pune	01/01/2020	31/05/2020	01
TY B Tech Internship	4-6 months	Josh Software,2nd Floor, I-Space, IT Park, Mumbai Pune Bypass Rd, Bavdhan, Pune, Maharashtra 411021	01/01/2020	31/05/2020	01

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Chemsys systems Pvt. Ltd. Pune	01/11/2019	Internship and projects	82
ANSYS, Inc. Software	24/01/2020	5 ANSYS License Key Software to be used for SAE Aero Design Challenge Event at National Level	8
Blue prints Pune	01/07/2019	Auto CAD professional certificate examination for faculties	8
Auto cluster, Pune	26/08/2019	Global India Expo visit at Autocluster ,GL,VISIT	462
Eleno, Pune	04/09/2019	Guest lecture	0
SMAK Industries, Pune	05/02/2020	Nil	0
Yash Udyog, Pune	05/02/2020	Nil	0
Data Fortune Software solution Pvt Ltd	11/03/2020	Sponsored projects and internship for students	0
Param Ayurveda, Pune	26/02/2020	Projects and seminars	0

Mugdha Systems Pvt. Ltd	25/09/2019	Online and Face to Face Orientation for SYBTech, 15th July 2019 to 26th July 2019 29th July 2019 to 31st July 2019	9

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
260	69.04

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SLIM 21	Fully	3.7.0.22189	2000

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	37870	11950629	8136	776834	46006	12727463
Reference Books	2297	4271372	214	273496	2511	4544868
e-Books	101500	375891	563	0	102063	375891
Journals	117	3500111	0	245339	117	3745450
e-Journals	1	8756730	0	777358	1	9534088
Digital	1	498316	0	13570	1	511886

Database						
CD & Video	20199	50739	126	0	20325	50739
Library Automation	1	531044	0	0	1	531044

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Bhaskar Wabhitkar	Introduction to soil Volumetric Relationship	You Tube	15/06/2020
Bhaskar Wabhitkar	Discussion on mass volumetric relationship Phase System of soil	You Tube	19/06/2020
Bhaskar Wabhitkar	Properties of Soil its Significance	You Tube	26/06/2020
Sachin Shinde	Mechanics of Fluids	You Tube	26/06/2020
Sachin Shinde	Surface Tension Concept Facts	You Tube	26/06/2020
Sachin Shinde	Pressure Inside the Water droplet Bubble	You Tube	26/06/2020
Sachin Shinde	Vapour Pressure	You Tube	28/06/2020
Sachin Shinde	Capillarity Rise Fall	You Tube	28/06/2020
Seema Mandlik	Web Technology : Cascading Style Sheets Creation of Repository on Github	You Tube	21/06/2020
Bhaskar Wabhitkar	Basic relationships of soil	You Tube	22/06/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1250	27	250	2	2	8	7	250	1
Added	0	0	0	0	0	0	0	0	0
Total	1250	27	250	2	2	8	7	250	1

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

250 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
185.55	87.73	612.24	525.99

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

MITAoE adopts standard established systems and procedures for maintaining the physical, academic and support facilities for laboratory, library, sports complex, computers, and classrooms, etc. which are mentioned in the 'Quality System' of every department. Every department is allocated a separate budget for repairs and maintenance. In the case of IT infrastructure related equipment, we have an in-house technical team which takes care of all technical issues. In every Laboratory, Lab Assistants are also trained for primary level error detection. MITAoE Lab assistants are proficient in testing and resolving basic faults. In case, the fault does not get resolved at their level it is reported to the System Department. Systems Departments technical team solves a problem. System department retains a few regular components/devices in stock for the emergency replacements. If the fault is related to Mother Board – Component level or in case any functional board needs to be replaced, the equipment is sent for repairs to experts outside the campus. IT Network Infrastructure is maintained by the Systems Department itself. MITAOE has Dell NSA 4600 Sonic firewall and Cisco Based Switches and Cisco-based Access points, WIFI Controllers in the Network. MITAOE has a Sports Ground, indoor games facility and a well-equipped Gym which is maintained and upgraded by the Sports Director. Central Library has an ample number of books and online resources which are continuously updated in terms of latest books, journals, e-resources and digital library. The central library follows the standard procedure as per the Quality system manual. Central Library equipments and premises are cleaned and maintained by the library peons and housekeeping staff daily, apart from it, regular pest control is conducted throughout the campus on regular intervals. The classroom schedule and assignments of the classroom are decided by the time table committee, headed by the Dean Academics and Director. Besides, the school deans and timetable committee have decided the allocation of the laboratories according to the necessity by following the time table in such a manner that it will ensure maximum utilization without any difficulties. These classrooms are well kept by the housekeeping department and technical support in terms of projectors etc. is given by the systems department. The laboratories are cleaned by the school Peons and Housekeeping staff and pieces of equipment are well maintained by the Lab Assistance through regular check-up and upgrades.

http://mitaoe.ac.in/assets/images/pdf/Academic_and_Support_facility_2019-20.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit Scholarship	0	0
Financial Support from Other Sources			
a) National	State and Central Government Scholarship for reserve category students	1890	155161493
b)International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Cloud Technologies webinar	10/06/2020	121	MIT AOE
SEO Product Analysis with UX webinar	09/06/2020	118	MIT AOE
Innovations communicates webinar	08/06/2020	85	MIT AOE
Entrepreneurship webinar	07/06/2020	475	MIT AOE
Introduction to Meditation Session for Cleaning staff, security staff	28/09/2019	40	MIT AOE
Sahaj Yoga, Musical Meditation Programme	13/09/2019	45	Mr. Chandrakant Deoda, Anchoring and sahaj yoga information, Software Manager Mr. MilindDalal, lead Singer, Music Teacher Mr. RishikeshTikhe, Tabla Player, Engineer Mr. Yadav, Dholak Player, Senior citizen
Free Medical Check-up and Blood Donation Camp	27/08/2019	450	MIT AOE
Life skills	21/06/2020	255	MIT AOE

Language and communication skills	19/08/2019	660	MITOAE, ITSKUL
Soft skills(Dean SHES)	06/01/2020	2000	WordsMaya

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Gate 2020 practice test | December 2019 GL on Career Opportunities - Competitive Exam Scholarship Scholarship Test	40	40	40	1
2019	GL on Career Opportunities - Competitive Exam & Scholarship & Scholarship Test	50	40	5	4
2019	National level fresher employability test	159	159	98	32
2019	Competitive Exam Preparation by Btech Guru	470	470	470	350
2019	Professional Skill Development by Words Maya	470	470	470	350

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	21

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Byjus, JSW Steel, LIDO Learning, Prodair Air Products India Pvt. Ltd, Accenture, COGNIZANT, Enpro Industries Pvt. Ltd, Hikal Ltd., Worly Parson, INFOSYS, Ecolab, Sai Life Sciences Pvt.Ltd., S M AUTO Engineering Pvt.Ltd., BU Bhandari Auto Pvt. Ltd.,	3431	372	Ekeeda Private Limited,Coditrin Technology Pvt.Ltd, Shopee Singapore, Federal Bank, SM AUTO Engineering Pvt Ltd, Como Films Ltd., Cognizant, Accenture, Kanan Park, Bakuun.com,	28	28
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E	Mechanical Engineering	ACE Engineering Education Pvt. Ltd.	ME
2019	1	B.E	Mechanical Engineering	Dr. D.Y.Patil School of Engineering, Charholi(Bk)	ME(Design Engineering)
2019	1	B.E	Mechanical Engineering	University of	MS

2019	2	B.E	Civil Engg	NICMAR PUNE	PGDM-CM
2019	1	B.E	Computer Engineering	Illinois Institute of Technology	MS
2019	1	B.E	Computer Engineering	RMIT University	M.TECH
2019	1	B.E	Information Technology	Dublin City University	MSc
2019	1	B.E	ENTC	University of Dayton	MS Computer Science
2019	1	B.E	Electronics Engineering	VIT,Vellor	Power Electronics &Drives
2019	1	B.E	Electronics Engineering	Walchand College of Engineering ,Sangali VJTI,Mumbai	Electronics Engineering

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	6
CAT	3
GRE	2
TOFEL	3
Any Other	2

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Annual Social Gathering 2020	Institute	300
Dandiya 2019	Institute	95
Freshers' Party	Department	60
Techniko 2019	Institute	150
Technova 2020	Institute	170
Sport: Competition	Institute	300
TEDxMITAOE	National	83
Under25	National	287
Online Workshop on Photography	National	394
Virtual Articia	State	70

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Silver	National	1	0	0120180201	Gayatri Wadyalkar
2019	2nd prize	National	0	1	0120180077 0120180161 0120180037	ShubhamPatil , Madura bhatt , Himani Chopade
2019	1st prize	National	0	1	0120180077 0120180161 0120180037 0120180160	ShubhamPatil Madura bhatt , Himani Chopade Shivamka mble
2019	Redmi Collaboration	International	0	1	520180029	Mr. Sanket Urane
2019	Mindspark19	National	0	1	520180029	Mr. Sanket Urane

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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 as per Gazette part 8, dated11/01/2017. Thus, the Student Council is a group of elected students working together with the guidance of Dean- Student affairs, within the framework of a constitution or by laws to provide means for students expression and assistance in college affairs and activities. It gives prospects for student practice in leadership. It also strengthens student- management relationship. The entire student councils strive for following goals: • To promote Social awareness • To promote Citizenship • To inculcate empathy • To imbibe cultural values • To strengthen Sportive instinct • To understand and implement Human Values. The following tasks are performed by student council to promote citizenship which plays very important role in students life: • It supports and further develops a democracy as a way of life • It involves students in meaningful, purpose-oriented activities • It helps each student to develop a sincere regard for law and order appropriate to this democratic society • It develops a sense of personal responsibility and earned self-respect by leading each individual. • It also teaches by example the processes and procedures of a democracy • By encouraging desirable attitudes and the continuous upward development of valued patterns of good citizenship • By providing a forum for student opinions, interests and desires so these may be understood by the entire student body, faculty, administration and community • By honestly reflecting and interpreting the student viewpoint The major

objectives of MITAOE student council are as follows: The objectives of student council 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 college and in the community. 3. To encourage personal growth of leaders through participation in various district, state and national level events and contests. 4. To contribute to the educational experiences of students by providing them with a positive involvement in the department of college, with widened areas of responsibilities and with more direct participation in organizing and implementing activities. 5. To promote an awareness of human relations, of power structures and how one effectively operates within them. 6. To provide a viable means for student expression and an increasing amount of self-direction. 7. To increase student involvement and college pride. President and Secretary and Ladies representative of Student council are part of College Development Committee. They put students perspectives in the meeting and contribute to the development of the college. President and Ladies Representatives are part of student welfare and extracurricular/co-curricular committee. IQAC cell also has student council representation. Proactive participation of student council has always been a great support.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has registered for Alumni association for the year 2019-20. Registration number: MAHA / 1106 / 2019 / Pune, Date: 01 / 08 / 2019 To provide alumni with resources, relationships and opportunities that help them make contributions of immediate and enduring value. The launch of MIT Group of Institutes Alumni Association marks an exciting milestone in the history of MIT Group of Institutions. The Alumni website serves as a powerful communication tool for enhancing the ties between the Alumni, its members and MIT Group of Institutes. The launching of the website was the first step of series of communications between MIT and the extended family of alumni and friends. One of the primary objectives of the Alumni website is to encourage the building of rapport, networking among us and most importantly for us to keep in close touch with your and our activities. Let the exchange of information be for the benefit of the MIT Group of Institutes, those who were once here like you our Alumni, and the present students. As an avenue for dialogue between the MIT Group of Institutes and the outside world, let us know what you are thinking, doing and want to share.

5.4.2 – No. of registered Alumni:

4845

5.4.3 – Alumni contribution during the year (in Rupees) :

10000

5.4.4 – Meetings/activities organized by Alumni Association :

Meetings/activities organized by Alumni Association: 1) Confluence Alumni meet 2019. (16/11/2019) 2) MITAOE Alumni Association Members meet. (15/08/2019) 3) Webinars Conducted : a. Webinar on Self-Management on 9/06/2020 b. Webinar on Spreading awareness of COVID-19 on 28/5/2020

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

To give a sense of ownership, the process of management is decentralized. The important functions like the academics, research, quality control, student activities, industrial relations, ecosystem for entrepreneurial and innovation activities, faulty development, staff development, examination, training and placement, ITC, stores and purchase are handled by a team of faculty and staff representing various departments / Sections headed by a senior faculty or staff. They take decisions as a team. The various proposed actions/decisions are again discussed at an institutional meetings vide IDC represented by all functional heads (Institutional development Cell Periodic Weekly/biweekly meetings) and CDC represented by various stakeholders along with the functional heads (College Development Cell Quarterly meeting). The individual functional heads propose their own annual key performance parameters and suggest a plan to continually improve the performance parameters of their functions, further review the effectiveness of action taken and initiate appropriate corrective and preventive actions to sustain the improved performance before attempting to improve further. IQAC (A team headed by Dean QA along with representatives from all the departments) plays important role to ensure the quality of academics, cocurricular, extracurricular and related parameters is continually improving by organizing audits both internal and external after every semester along with disposal action, corrective action, preventive action and reviewing the effectiveness of actions taken. In addition to the above internal committees, there are following statutory committee which is represented by various stakeholders to overlook the overall quality aspects of academics and allied activities. The objectives of these committees are well defined and they meet twice a year. 1. Board of Studies at all programmess 2. Academic Council 3. Governing Council 4. Finance Committee. 5. Board of Examination. 6. Ant ragging Committee.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	? Curriculum Development: Curriculum design for all Courses is primarily oriented towards experiential learning and placement. ? In almost all Programs, the industry-based internship is facilitated as a part of the curriculum. Several of the interns get employed in the same industry. ? Curriculum delivery is both face-to-face and online. The College has its platform for on-line teaching-learning with very good learning modules and learning resources. ? Experiential learning in all Programs is facilitated through Projects which are rigorously assessed through both Continuous Internal and End-of-Term Assessment. ? The ratio of Science/Humanity/core is maintained as per guidelines of UGC. ? Course content is designed to meet the

	requirements of industry Academic Autonomy that has opened the doors for excellence in Education, Research and Administration through updated and contemporary syllabus for all programmes offered. The curriculum includes a holistic approach and courses like Design Thinking, System Engineering, Prototyping, Engineering Tools and Techniques and extensive project-based learning. Besides, • Exposure to international languages such as German and Japanese • Communication and Soft Skill Courses are included. • Entrepreneurship courses are offered. • Swayam Course on Project Management is offered. • The credit-based internship is offered • Major, Minor Courses and Skill-based courses. • Add on modules related to industry requirements started to enhance placements.
Teaching and Learning	The Institute has made its mark by excelling in academics and it continues to grow as a Centre of Excellence in engineering education and research. Innovative approaches to teaching and learning such as activity-based, problem-based, project-based and skill-based learning approaches are undertaken. MITAoE strives to continually evolve and use innovative information and communication technologies and diverse set of technological tools and resources such as Moodle, Google classroom, etc. to communicate, create, disseminate and manage knowledge. The entire teaching-learning process is ISO certified. Innovative in course, end course, internal assessment and evaluation using state of the art tools and techniques
Examination and Evaluation	• Complete transparency in assessment and evaluation: every student is allowed to view assessed answer scripts and may apply for re-evaluation. The internal-assessment marks obtained is also shown to students at every stage of continuous-assessment. • Result-declaration and Re-examination conducted within a reasonable time. • Remedial term conducted annually where unsuccessful students are taught the course again in concentrated-form and then examined. • Question-paper selected randomly among those prepared

		by multiple faculty. • Question-paper-Audits carried out by a team of senior faculty. The teachers whose question-paper achieves less than 6.5/10 are counselled and allowed to improve the quality of the same. Good quality Grade-cards with multiple security features to prevent duplication/malpractices.
	Research and Development	Research and Development is one of the most important pillars of any Higher Educational Institute. The four folds of research mainly consist of Research Publication, Research Funding, IPR and Consultancy. Research and Development Cell of MITAOE is relentlessly working upon to develop an ecosystem that will nurture and support research endeavours of faculty and staff. Research and Development Cell had organised Seminars/ Expert lectures on various topic of research to create awareness and motivate students and faculty for research. Research and Development cell notifies about different research funding schemes by different apex bodies. Research and Development cell motivates and guides Faculty and staff for writing research proposals. Institute provides Seed money for faculty to conduct their research work. Institute had its Research and Development policy well in place, which provides guidelines for conducting research. Institute provides financial assistance for UG/PG students projects. IPR cell provides complete hand-holding to faculty and staff for writing patent drafts. The Institute bears the complete expenditure of Patent Filing/Publication/Examination and Copyright registration. Institute put its efforts to provide and encourage Faculty internship in industry. Research and Development cell sensitizes faculty about publishing in SCI/SCIE/SCOPUS listed journals and the importance of citations and its importance in creating global impact.
	Library, ICT and Physical Infrastructure / Instrumentation	Central Library (ISO 9001: 2015 certified) follows SLIM-21 Library management software, annually upgraded, and uses a barcode system. Regular meetings are conducted and feedback is collected from students for continuous improvement of the library. We provide ICT based services like an email reminder, SMS, self-renewal of books,

	Web-OPAC, digital library, article indexing and abstracting, access to e-journals, etc. to the users, apart from having technology-enhanced learning resources like SWAYAM-NPTEL lectures. The resources include 48000 books, 115 national and international journals subscription and encompassing NPTEL Web video lectures, project reports, old question papers, question bank etc.
Human Resource Management	? Human Resource Management : HRM plays a key role in acquiring and retaining high-quality teachers. To publicize the job openings, newspapers, walk-ins and institute website are the sources. Job descriptions for posts are available on the website. The HR department also takes additional efforts to contact the T P cell of reputed institutes like IITs, NITs to get quality PhD candidates. The entire recruitment process is transparent without any bias or favouritism on race, creed etc. To retain the faculties, the institute is having policies and best practices for their welfare like rewards and recognition, promotion policy, grievance redressal, payroll as per the statutory bodies guidelines. .
Industry Interaction / Collaboration	The Corporate-Relations office has the mandate to work hand-in-hand with industry that works in the space related to engineering solutions. In conjunction with MITAOE academic leaders, it remains the primary vehicle for outreach and strategic engagement for projects, internships, placement, entrepreneurship and guest sessions. Corporates with a strong engineering discipline focus and desire to develop a mutually beneficial relationship with MITAOE will have multiple opportunities to engage students. The CR office keeps a watch on the industry trends to know the career landscape and make careful informed employment decisions. It ensures that students are regularly coached on various career options.
Admission of Students	1. All the eligible students have to fill the online form on the dte.org.in web portal and scan all the relevant documents. 2. After filling the form the students have to take 2 print outs and visit the Facilitation Centre allotted by Directorate of Technical Education (DTE). 3. Along with the form they have to carry the attested copies

of all their original documents. 4. After the online admission form is approved by facilitation centre, a student is eligible for admission under the engineering course. 5. Display of Merit list 6. Filling of option form 7. Display of allotment list 8. Visiting the Admission Reporting Centre for confirmation of admission 9. Reporting to the allotted institute for confirmation of admission.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Examination	Examination : The ERP for the examination section is developed in house and covers most of the examination processes namely- process for course registration, generation of registered student name list and course wise summary, followed by the generation of admit cards / hall tickets. The result generation and preparation of ledger of results is also part of the ERP developed. Since December 2019 a vendor has been identified and they are now developing further the ERP for the examination process.
Planning and Development	Planning and Development : The Digital Day is conducted once in a semester for all the students through go to webinar tool, having Google suit application for mitaoe.ac.in domain for all the stakeholder for digital communication, Installed Digital Notice board for dissemination notices and news besides SMS system for notification Installed solar system, biogas plant for renewable energy, and Energy Meter for Solar system.
Administration	Administration : Learning management system for tracking the teaching-learning activity. • Online admission system portal • HRMS portal
Finance and Accounts	? Finance and Accounts We are using Tally Software ERP9.0 for Accounting purpose. All the payments mostly made through the NEFT/RTGS/Bank Transfer. Receit transactions also accept through NEFT/RTGS/Bank Transfer. We are using Relyon'sSaralPaypack software for Salary processing and also for filing quarterly Income Tax Return of salary i.e. Form-24 and generation of Form-16 of all faculty and staff. We are using

	Student Management System i.e. ERP software for generating students fees receipts and students fees outstanding list. From the year 2020 we started using ERP for students online admission and collection of fees through payment gateway. Luscious Technologies Pvt. Ltd
Student Admission and Support	? Student Admission and Support : The admission is done by the component authority i.e Admission regulating Authority, once the allotment is done , we follow the following procedure:- We are using an ERP known as Student Management System, in this software we enter the entire details of the students i.e his/her Admission details, Personal details, Educational details, Additional details and Fee details. We scan all their original documents of the students.. We generate the Identity card of the students through this software. We can extract the entire profile of the students at once.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Mrs. R. R. Badre	Faculty Development Training Program on Machine Learning and Deep Learning Techniques - Eduxlabs	NA	1500
2019	Dr. Mrs. Sunita Barve	Faculty Development Training Program on Machine Learning and Deep Learning Techniques - Eduxlabs	NA	1500
2019	Ms. Neha Hajare	Faculty Development Training Program on Machine Learning and Deep Learning	NA	1500

Year	Name	Programme		
		Techniques - Eduxlabs		
2019	Ms Padma Nimbhore	FDP -2019 - Parallel Computing Summer School under TEQUIP-III organized by COE, Pune	NA	800
2019	Ms. Minakshi N. Vharkate	6 days FDTP -2019 - Faculty Development Training Program on Machine Learning and Deep Learning Techniques	NA	1500
2019	Dr. P.D.Ganjewar	FDP on IOT	NA	2500
2019	Dr. Sunita Barve e	FICCI FUTURE-X Leadership Development Program	NA	5310
2019	Dr. P. N. Sutar	Workshop on Publication Ethics and Scientific Writing at PICT, Pune	NA	550
2019	Mamta Sardare	Paper presentation at IC-RACEID 2019 at G.H.Raisoni college of Engineering, Nagpur	NA	4000
2019	Shraddha Shende	Paper presentation at IC-RACEID 2019 at G.H.Raisoni college of Engineering, Nagpur	NA	4000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

| 2020 | Transformation in engineering education and creativity | NA | 29/06/2020 | 03/07/2020 | 25 | 0 |
| 2020 | NA | Five days workshop on Know yourself | 22/06/2020 | 26/06/2020 | 0 | 25 |

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Online Workshop on "LaTeX"	1	14/05/2019	17/05/2020	4
2 days workshop on concrete Tech at Indian Concrete Institution	1	13/12/2019	14/12/2019	2
Industrial Training	1	25/05/2019	13/06/2019	20
Hands on training of MXROAD software for geometric design of highways	2	25/12/2019	29/12/2019	5
Foundation of Research Methodology	2	31/08/2019	31/08/2019	1
Applications of Remote sensing and GIS for Hydrology and water management	3	15/07/2019	19/07/2019	5
Internal Auditor Training at MITAOE	3	11/07/2019	16/07/2019	6
Workshop on Fracture Chrectrisation of Concrete at IISC Banglore	1	16/12/2019	20/12/2019	5
Laboratory Ergonomic	3	10/06/2019	14/06/2019	5

safety for Engineers				
Workshop on Digital Land Surveying at IIT Roorkee	2	08/07/2019	12/07/2019	5

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	9	0	10

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Professional society membership 2. For attending seminar/workshop/conference 3. For attending summer/winter training 4. Seed amount 5. Sabbaticals 6. Study leave for PhD/Postdoc 7. Publications in SCI/SCIE indexed journals 8. Faculty exchange 9. Sponsored projects 10. Award of PhD degree 11. National and International awards 12. Award of Patents	1. Group Health Insurance 2. Staff of the Year and appreciation to deserving staff. 3. Professional development leave	1. MITAOE appreciates best outgoing student by conferring a special award named as 'MAESTRO' for Final year B Tech student. It contains a Trophy, Citation and cash prize worth 10,000/- 2. College distinguishes the most promising student of First year engineering by awarding 'The Most promising Student Award'. It comprises citation and cash prize of Rs. 5000/- 3. College felicitate the second best outgoing student using Director Special'All-Rounder Student award'.It comprises citation and cash prize of Rs. 5000/- 4. All the First and Second toppers of the classes are appreciated during Annual social Gathering and felicitated by Certificate of Merit and a trophy. 5. All student who have international, national as well as state level achievements in extra and co-curricular activities are appreciated using trophy and certificate of merit. 6. One meritorious but financially needy student from eachclass from each branch is

supported with a scholarship scheme in which concession of 10 -15 in paid fees is given to the student. 7. Events of International and National reputes such as World skills Competitions, Baja, Go-kart, Aero-modeling, Quad Copter, Robocon, Firodiya(state level cultural event), IIT tech fest and similar level events are financially supported by the institute. 8. Earn and Learn Scheme which is run by SavitribaiPhule Pune University, Pune (SPPU) is also available for the needy students.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal and External Auditors are appointed by MAEER Head office, Pune. Audit cell of MAEER, Pune co-ordinate with all units for smooth conduct of the audit. Internal audit and external audit is carried out two times in the year and this audit program is communicated by Audit cell timely to units. Internal and External audit is carried out in MIT AOE twice in a year. During the audit physical verification of documents carried out by the auditors. Observation and suggestion sheet is given by the auditor for improvement of financial statement. After solving the observation of Audit report is send to Audit cell at Head Office. Audit cell sends this report to the Director of MIT AOE. This work is completed before the finalization of a balance sheet for the financial year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Academic Standing Committee,	Yes	Dean Academics

		Academic Audit (Faculty from National Reputed autonomous institutions)			
Administrative	Yes	NVT/ISO - NVT QC	Yes	Director	

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1) Parents Meeting 2) Parent-Teacher meeting is conducted in every term 3) Parents are updated about the progress of their wards 4) Parents even meet the faculty in the department and provide some oral suggestions which also contribute to the teaching-learning process. 5) They give valuable suggestions for the improvement of students, department and institution

6.5.3 – Development programmes for support staff (at least three)

1. Workshop on 'English Skills' 2. Training course on Computer skills 3. Effective communication skill

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1.Solar Power Plant 2.Vermi-composting plant 3.ICT based teaching learning process 4. Implementation of MIS

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Question paper Audit	12/02/2020	15/01/2020	15/01/2020	2700
2020	Expert Talk on NAAC	12/02/2020	17/01/2020	17/01/2020	30
2020	Product Audit	12/02/2020	03/04/2020	05/04/2020	660
2020	Transformation through Innovation and Creativity Workshop	26/06/2020	29/06/2020	03/07/2020	22
2019	Quality System Auditors Training	26/11/2019	17/07/2019	19/07/2019	25
2019	Surveillance Quality System Audit	26/11/2019	05/08/2019	07/08/2019	330

2019	Academic Audit	26/11/2019	15/11/2019	15/11/2019	2700
2019	International Conference on Signal and Data Processing (ICSDP 2019)	26/11/2019	15/11/2019	16/11/2019	50
2020	Expert talk for Tier-1 (NBA)	12/02/2020	14/01/2020	14/01/2020	43

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Gender sensitization for MITAOE Faculty and Staff	08/07/2019	15/07/2019	100	263
Gender sensitization for MITAOE -First year BTech Students	18/11/2019	22/11/2019	112	383

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Percentage of power requirement of the College met by the renewable energy sources Electricity Generation from Roof Top Solar Photovoltaic is 5,25,530 units. 18 of College demand met from Electricity Grid and 82 energy came from Solar system. If reduction of CO2 emission per 1 kWh of solar power 1 kg of CO2 then CO2 emissions reduced: 525.53 Tons per year from our campus a measure towards green campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	3000
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	800
Scribes for examination	Yes	0
Special skill development	No	0

						for differently abled students		

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	16/02/2020	7	Eco-san Toilets	Rural development	100
2019	1	4	15/06/2019	12	Unnat Bharat Abhiyaan project	Problems Related to rural areas such as waste management, crop disease detection, water treatment	20
2019	1	1	22/09/2019	1	Ganapati Visarjan Pollution control by withdrawing idols from river	Pollution control	100
2019	1	1	19/11/2019	7	Ashadhi and Kartiki Alandi Yatra (Ghat management)	Crowd management, Sound and light Technical support	100
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Student code of Conduct (Website- student affairs)	22/10/2019	The Institute, expects students to behave in an exemplary manner, both academically and socially, and has nurtured an excellent. Reputation in this regard. Students are encouraged to adopt a

			mature and professional approach towards their education and their general conduct in and around the Institute. The Institute will honor its professional commitments towards students by providing high-quality teaching and guiding/supporting learners in their studies and, holistic development. In addition, the institute will offer further educational and workplace opportunities to students to maximize their chances of success. In return, the Institute expects its students to abide by this Code of Conduct
HR Manual (Code of Conduct page 11)	01/01/2019		Code of conduct for employees is mentioned in the HR manual, appointment letter and also disseminated via circulars from time to time. It includes rule and regulations regarding college timing, dress code, Disability policy, Drug and alcohol free workplace policy, Equal Employment Opportunity, Sexual Harassment, Soliciting / Canvassing, conflicts of Interest, Personal Conduct, Safety, Confidentiality, political activities, disruptive behavior, Outside employment, Malpractices, Grievance redressal, Publication / Press, relieving, termination, extension, confirmation of services etc. Disciplinary action is initiated against a breach of code of conduct. There are separate committees like Internal complaint committee, Disciplinary and Grievance committee, etc.

Student Internship Program Code of Conduct	10/04/2019	Actively participate in the internship process by utilizing appropriate resources and maintaining regular contact with the faculty mentor and Internship Coordinator or Director – T P. Develop learning objectives consistent with their interests, skills, and goals, both academic and career related. Follow all policies and procedures described in this document, including timely submission of application and evaluation material. Conduct themselves in a professional manner as representatives of MIT AOE. Students must obtain academic and school clearances to ensure completion of prerequisite courses. Students must submit a well formatted CV, requisite form, financial declaration if any before April 30 of every year.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Swachchta Abhiyan	24/06/2019	24/06/2019	80
Harit Wari	24/06/2019	24/06/2019	80
Medical Camp	28/01/2020	28/01/2020	400
Tree Plantation	07/07/2019	07/07/2019	40
AASRA club under MITAOE Alumni Association	16/11/2019	16/11/2019	250
Yoga Day	21/06/2020	21/06/2020	255
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

* **Solar Energy ● BioGas ● Seed Plant ● Workshop for making Eco friendly Ganesh Idol ● E Waste Management**

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practices are used to maintain quality as an alternative to mandatory legislated standards and can be based on self-assessment or benchmarking. The

best practice is a feature of an accredited institute like MIT AOE. The Institute follows many best practices such as Good Teaching-Learning Process, 360-degree feedback system which involves all the stakeholders, Rewards and recognition to keep motivating the employees, Best outgoing student award MAEstro for final year all-rounder student and the most promising student award for the first-year student, use of Standard Library Management software ICT based services like an email reminder, SMS, self-renewal of books, Web-OPAC, digital library, article indexing and abstracting, access to e-journals, etc. to the users by the Central Library. To mention in details the best practices at the institutional level, the first one is the effective use of ICT for online teaching. Institute has multiple licensed dashboards of Go To Webinar platform which is used efficiently and rigorously for conducting all the online lectures for all the classes, Guest lectures, parent meeting etc. Along with this institute also uses an EPR viz Coll Poll. Its an engagement, management, and analytics platform which empowers institution stakeholders - student, faculty, admin, staff and parents with the smart campus technology creating a unified digital experience in and outside the campus. Institute also uses MOODLE, one of the widely used LMSs throughout the world. Another best practice to describe is the welfare of the employees. At the core of all MIT Academy of Engineering policies are students and their welfare, next are the employees and the society at large. MIT Academy of Engineerings policy to all its employees is based on mutual trust and a win-win approach with no area for settling any personal vendetta. Fair employee policies ensure a proper work culture, proper competency mapping and improved performance by employees. The Employees are encouraged to have an interaction with the outside world in their domain both at the international and national level through financial support in paper publishing, patent filing, attending seminars, STTPs, workshops, QIPs and Professional body membership. A well-defined Welfare scheme is there for all financial and other support from the institute. In addition to it, there is a Group Health Insurance policy for employees along with their family members. Our training and development policy are not only aimed at skill enhancement of an employee but also to help the employee for promotion and to take on higher responsibilities. This policy helps the management to promote the staff and help in bringing about healthy competition among different employees. The Research and development projects and Industry- Institute Interaction opportunities are facilitated by industrial visits, guest lectures and regularly held subject experts sessions. The employees are also deputed for training frequently both within and outside the institute and a record of the same is maintained in their file.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://mitaoe.ac.in/assets/images/pdf/Best-Practices-2019-2020.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The journey of e-Cell and MITAoE Entrepreneurial Development Foundation started in 2018-19 intending to inculcate entrepreneurship and innovation culture amongst students and promote innovation, entrepreneurship and start-up culture at MITAoE campus. We are proud to share the achievements received just within 1.5 years, like Winner at NEC-2019, Start-up Club Award, ARIIA-2019 Ranking (In top 100), Approval as a host institute for setting up Business Incubator under MSME-BI scheme, 4-Star performance at Institute Innovation Council (IIC) an Initiative of MHRD-GOI, etc. Under our entrepreneurship (e-Cell) umbrella, we have organized workshops, competitions, webinars, and seminars on Innovation, IPR and start-up to inspire students for entrepreneurship and start-ups.

Programs such as Practice Venture (PV), Institutions Innovation Council (IIC) and participation in competitions such as the National Entrepreneurship Challenge are a part of the functioning of e-Cell. Besides of PV and IIC, e-Cell also conducts its events with the support of Wadhwani Global University. With the collaboration of Wadhwani Global University, we have offered two courses for Btech program such as a Basics of Entrepreneurship and Business Strategies. The MITAoE Entrepreneurial Development Foundation acts as an Incubation Centre within the campus for the student start-ups, currently, 19 start-ups are working on Campus on their ideas and identified problem.

Provide the weblink of the institution
https://mitaoe.ac.in/assets/images/pdf/Institutional-Distinctiveness-2019-20.pdf

8.Future Plans of Actions for Next Academic Year

It is the institute's endeavour to complement its pursuit of academic excellence with the social commitment of contributing to the goal of environmental sustainability. In this direction, the institution has identified certain focus areas in which the following concrete initiatives have been introduced/ proposed which are yielding and are expected to yield consequential outcomes. These manoeuvres envisage the dual objectives of creating awareness among the students and faculties about their roles and responsibilities towards protection and prevention of the environment and also ensuring that the environment on the campus is compliant with the highest standards of environmental sustainability. 1. Measures towards water management and inculcating a culture of using water resources judiciously include a fully functional water recycling plant and an effective mechanism for rain water harvest. 2. With a view to reduce air pollution levels caused by vehicles students and faculties are encouraged to coordinate and cooperate through measures like car-pooling. this measure which is rather simple in its construction and execution has power to encompass significant outcomes as shown by the networking reduction in the number of vehicles in the campus. Efforts are being made to notably decrease the carbon footprint on campus which has significantly contributed to improving the air quality in the environment. 3. Efforts are also being made to reduce the level of consumption of non-renewable and conventional energy-resources. Lighting on campus is provided through low energy utilizing techniques e.g. LED tubes and bulbs. Simultaneously emphasis is being laid on harnessing renewable sources of energy to meet the energy requirements of the institution to the maximum extent possible. For this purpose solar panels have been installed to harness solar energy. Similarly the initiative of vermin-composting culture to generate non-conventional source of energy. 4. Since plastic has been universally recognized as one of the prime factors adversely affecting the natural environment, the institution has taken noteworthy steps to curtail both availability and use of plastic on campus. The purchase of plastic bottles has been discouraged and re-cycling of plastic has been practically encouraged. 5. The institution recognizes cutting of trees and de-forestation as major tools that cause serious damage to the environment. Being an academic institution one major component that includes extensive use of wood and thereby contribution to the indiscriminate cutting of trees in paper. In order to curtail the use of paper the institution has introduced measures like making study material available in electronic forms through ERP. Also recycling of paper is strongly encouraged.