



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		G. S. MANDAL'S MARATHWADA INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		Dr. Nilesh G. Patil
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		02402375111
Mobile no.		9028887885
Registered Email		principal.mite@mit.asia
Alternate Email		nilesh.patil@mit.asia
Address		MIT Campus, Satara Village Road, Beed Bypass Road, Aurangabad
City/Town		Aurangabad
State/UT		Maharashtra
Pincode		431010

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Aji D. Sayyad
Phone no/Alternate Phone no.	02402375115
Mobile no.	9175902905
Registered Email	vpacad.mite@mit.asia
Alternate Email	ajij.sayyad@mit.asia

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://engg.mit.asia/AQAR_2017_18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	https://engg.mit.asia/files/engg/announcements/Academic%20Calendar%202018-19.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.68	2017	30-Oct-2017	29-Oct-2022

6. Date of Establishment of IQAC	08-Mar-2017
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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
Workshop on reserch	29-Mar-2019	50

methodologies and data analytics	2	
ICT mode STTP on NBA accreditation	22-Apr-2019 5	25
Academic audit	17-Aug-2019 3	10
Academic audit	30-Jan-2019 2	12
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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
Dr. Nilesh G. Patil	Minor Research Project	Dr. B. A. M. University, Aurangabad	2019 365	35000
Dr. M. N. Mangulkar	Minor Research Project	Dr. B. A. M. University, Dr. B. A. M. University, Aurangabad	2019 180	35000
Dr. M. N. Mangulkar	Workshop on Research Methodology	Dr. B. A. M. University, Aurangabad	2019 02	20000
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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 :

2

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)

- Interaction with class representatives and class coordinators of each and every department for maintaining and sustaining quality education as directed by IQAC.
- Strengthening the campus placements process to provide job opportunities for the students.
- Strengthen the Environmental Projects for Green Campus.
- IQAC is constantly evaluating teaching learning process through Academic Audits.
- Value Addition Programmes / career oriented technical training programmes for students to improve their technical acquaintance.
- Supplementary encouragement is given to Students to participate in different events like Sports / NSS / NCC/ Hackathon / SAE Baja / Robocon / Avishkar activities.
- Training programmes are conducted for teaching faculty members.
- Encouraging Students for Industrial Visits to understand and to gain the knowledge of new concepts.

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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	Achievements/Outcomes
To enrich students' capacity through building skill sets expected by industry. Requirement from industry is continuously evolving based on technology upgradation. It could be due to the basic level of routine work is taken by the computers and automation adapted. Now, engineers have to add value in terms of analytics of information available, understanding of societal problems and building solutions over it. In that context, institute planned to conduct the add-on course called "Engineering Exploration" to enrich the important skills of students, beginning from first year level.	Details Available in attachment.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	23-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

15-Mar-2019

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	21-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Institute has deployed Management information System (MIS) which is also known as ERP solution. This system includes the different important modules as described below:</p> <ul style="list-style-type: none"> • Academics Module: This module takes care of everything that is central to learning, education, and teaching. For example: courses and configuration, syllabus patterns, core elective subjects, different evaluation methods, monitoring, mentoring, projects, practical's, tutorials and many more. Academics are supported with an easy and collaborative Content Management System through which faculty can share educational content, manage projects assignments, handle notifications, conduct quizzes etc. • Teaching Module: It's a well integrated module that empowers every faculty with powerful tools that help them efficiently manage their work. These tools include academic calendar, planning, scheduling, course file, mentoring, practical's, projects, timetable and many more. • Examinations Module: The Exam module manages exam related tasks at various levels. The configuration of examination module covers various exam related duties, moderation schemes, result format, exam cycles etc. All exam processes such as question paper setting, question paper disbursement, exam scheduling, invigilation, result compilation, reevaluation, mark sheets generation etc. are duly provisioned for. • Placements Module: Placements module effectively manages the entire campus placement process. It takes care of job postings, walkins, registration of eligible students, placement event handling, career guidance, pre screening, testing and many more. • Research Module: Growth and learning is

impossible without doing research. It is an important factor for any institute to grow and stand out. This module takes care of research projects, Publications, conferences, journals, patents, copyrights, Ph.D. preparation and more. It also records profile of research guides, Synopsis, Thesis, Colloquium and related workflow. Application Form, Admission, Payment of Fees, Course Work, Guide/HOD Review, Expert Allocation, Expert Feedback, Final Assessment. Manage different research funded projects, Research Budget, Grant Approval, Research Project Progress reports, Project Closure, etc. • Human Resources module: Human Resource module is amalgamation of all the recruiting, training, and onboarding related activities. It helps take care of roaster, advertisements, marketing, reservations, applications, etc. • Attendance, Leave Salary module: Attendance is a wholesome module that integrates and automates various attendance keeping methods including muster, attendance entry, login / biometric based, barcode scanning attendance and others. • Infrastructure module: This module maps all physical infrastructures and automates its allocation, utilization, booking etc. This module integrates buildings, rooms, laboratories, hostels, canteens, offices, medical facilities, gaming facilities, reporting and others. • Admissions module: Admissions module effectively manages admission through merit, entrance exam or a government regulated agency. It automates courses, intake for each course, no. of shifts, seat division, eligibility, merit and merit per se, fee structures, revisions, concessions and sponsorship on fee, etc. • Library module: This module takes care of books/journals/CDs/DVDs/magazines management, membership management, catalogue management, Online Public Access Control (OPAC), etc. • Feedback module: This module includes all aspects of feedback including academic specific feedback, Institutional, Departmental, etc. • Other modules include scholarship, transportation, finance, endowment management, investment management, inventory management, purchases, management, etc.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Institute is affiliated to Dr. B. A. Technological University, Lonere (for First & Second year UG/PG courses of Engineering discipline) and to Dr. B. A. Marathwada University, Aurangabad (for MCA course & Third and Final year UG courses of Engineering discipline) in AY 2018-19. Curriculum of each UG/PG course is delivered as per the scheme and syllabus of affiliating University. The institution has developed a structured and effective implementation of the curriculum. Before the commencement of academic year/semester, the college refers the academic calendar to chalk out an institutional academic calendar. Based on this, heads of department (program coordinators) plan for curricular, co-curricular and extra-curricular activities. At department level, the faculty allocation is done democratically through discussion and deliberations among faculties in departmental meetings. After allocation of teaching load as per the cadre ratio, the time table is prepared. It is documented through the time table at different levels like faculty, classroom, laboratory usage, etc. The faculty members are instructed to complete the syllabus within stipulated time. If, for any reason, a faculty fails to finish his/her syllabus within the stipulated time, he/she is being asked to arrange extra classes for his/her subject. The course file which includes syllabus, teaching plan, assessment methods, delivery methods, etc, of every faculty is assessed by the program coordinator. Following are the various means through which curriculum delivery is implemented, administered and its documentation is ensured: (a) HoD meeting: Principal conducts regular meeting to review the engagement of students and progress of curriculum delivery. (b) Faculty meeting: HoD conducts the frequent meeting to collect the feedback of students from faculty and overall performance of students. (c) Academic audit: department level academic audit is conducted to ensure the effective implementation of academic activities (d) continuous internal assessment & evaluation of academic activities like submission of assignments, Class test, projects/ seminars, lab work, etc. are well planned and executed before final semester-end examination. For implementation of curriculum, teachers have included teaching methods such as presentation, assignments, and seminars for effective teaching. (e) Students are encouraged to meet faculty beyond classroom hours for doubt-clearing and curricular discussions. Extra hours are devoted to taking remedial classes to reinforce students' preparedness before University examinations. (f) parent-teacher meetings are conducted at each month end during the instructional period, where progresses of the delivery of curriculum are regularly monitored and necessary course corrections are initiated. Any updates and communications from University in context to curriculum are implemented. Adequate support is provided by Principal and other academic & administrative bodies at institute level. This includes - (a) Institute encourages its faculty members to participate in Orientation/ Refresher Courses/ FDPs / Workshops/ Seminars so as to update their knowledge and to improve the teaching practices. (b) Institute provides sufficient books and other teaching/reference materials to enable its teachers to ensure effective delivery of curriculum. (c) Library advisory committee takes appropriate decision regarding the purchase of new books, e-journals, etc. as per requirements of students. (d) Department establish MOUs with various industries and institution.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of	Duration	Focus on employ	Skill
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	Introduction		ability/entrepreneurship	Development
Red Hat Certified Architect (RHCA)	02/07/2018	40	Yes	Software administration
Red Hat Certified Engineer (RHCE)	02/07/2018	40	Yes	Software administration
Ansible Automation	02/07/2018	40	Yes	Software Automation

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BVoc	Software development	09/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	09/07/2018
BTech	Computer Science and Engineering	09/07/2018
BTech	Electrical and Electronics Engineering	09/07/2018
BTech	Electronics and Telecommunication Engineering	09/07/2018
BTech	Mechanical Engineering	09/07/2018
BArch	Architecture	09/07/2018
MCA	Computer Applications	09/07/2018
Mtech	Embedded Systems	09/07/2018
Mtech	Electrical drives and Control	09/07/2018
Mtech	Structural Engineering	09/07/2018
Mtech	Automation	09/07/2018
Mtech	Heat Transfer	09/07/2018
Mtech	Manufacturing Engineering	09/07/2018
Mtech	Computer Science and Engineering	09/07/2018
BVoc	Software Development	09/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	8	0

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
Basic Automation	18/08/2018	14
Basic Mechatronics	10/12/2018	116
Smart Skill Architectural Software Courses	11/03/2019	17
Life Skills	09/07/2018	210
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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	Electrical Engineering	64
BTech	Computer Science and Engineering	125
BTech	Electronics and Telecommunication Engineering	24
BTech	Mechanical Engineering	171
BTech	Civil Engineering	116
BArch	Architecture	68
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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
<p>1. Feedback from students: Feedback is collected for all the courses. Feedback of students is collected in every semester about the quality of teaching. This helps improving the teaching learning process. A well defined feedback collection system and corrective measures improves the quality of education. Each department collects feedback from their students. Head of the Department and Committee assesses the feedback, shares the contents with each faculty member, accordingly the appreciation letter is issued whose feedback is good, otherwise a counseling of the teacher is carried out. Appropriate weightage is given to feedback by students in the annual appraisal system. In addition to this feedback at the end of the semester, department also collects formal and informal feedback of the students during mid of the course. It helps in addressing the challenges about teaching learning of the specific course(s). Majority of the students participate in the feedback process. Feedback is based</p>

on following parameters: • Preparedness, knowledge of the course and command over the course • Delivering the fundamental concepts, black/white board writing and communication skills • Ability to make the class interactive and lively • Preparing the students for desired course outcomes The feedback of all the teachers is taken on the scale of 5, total score of the teacher is calculated on all the above mentioned parameters and based on chosen scale by the individual student and the total score is converted into percentage score. Average of all the percentage scores for all the students who have participated in the feedback process is calculated. Such a score is calculated in each semester. Total of the average scores of the teacher is calculated and accordingly action is taken. Feedback on Institutional facilities is taken from the students at the end of semester/ academic year by each department, HODs collectively submit them to VicePrincipal Administration. Based on analysis, corrective measures are taken by administration. 2. Feedback from Teachers: Generally Teacher's feedback is taken in HOD meeting regarding over all class behaviour, student understanding, requirement of extra lectures etc. and accordingly corrective action is taken. 3. Feedback from Employers: During inplant training or after employment of student, we do interact with employers (particularly from Aurangabad) and register their opinion. It is utilized for reinforcement of system. 4. Feedback from Alumni: Alumni feedback is collected as and when alumni visits to the department. The feedback is set of questions pertaining to the program offered by the department. Also suggestions are invited for improvement in courses, curriculum, infrastructure, etc. Alumni feedback plays a vital role in department development, as they are the witness of internal system and working in outside world. Their free and frank opinion helps to take corrective action in present system and do value addition for better future. 5. Parents: Feedback of parents are taken during monthly parent meet. It helps to know the parents expectations from the Institute.

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	Civil Engineering	120	100	71
BTech	Computer Science and Engineering	120	110	108
BTech	Electrical Engineering	60	40	25
BTech	Electronics and Telecommunicati on Engineering	120	20	2
BTech	Mechanical Engineering	180	110	90
BArch	Architecture	40	40	40
MCA	Computer Applications	60	30	24
Mtech	Automation	18	10	4
Mtech	Heat Transfer	18	10	2
Mtech	Manufacturing	18	10	2

	Engineering			
Mtech	Electrical Drives and Control	18	10	2
Mtech	Structural Engineering	18	18	15
Mtech	Embedded Systems	24	5	2
Mtech	Computer Science and Engineering	18	2	1
BVoc	Software Development	25	25	22
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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
2018	2264	124	114	0	67

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	Number of smart classrooms	E-resources and techniques used
166	150	10	12	14	10

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

MIT always attempt for the environment, where individual student is in contact with his/her mentor. To strengthen the bond between teacher and the students, various systems are practiced. Effective mentoring establishes healthy relationship between mentor and the students, which also improves the academic quality. The effectiveness of the system is achieved through Mentoring by Teacher Guardian (TG) and Class Teacher (CT).

Teacher Guardian Scheme: The purpose of Teacher Guardian Scheme (TGS) is to support and encourage students to manage their learning to maximize their potential, develop skills and improve the performance. TGS is introduced to develop personal touch to the process of learning at the institute. A teacher will be guardian of a group of 20 to 30 students. In addition, to act as a guardian, the teacher guardian shall help the students to nurture the personality of students in all aspects. The teacher guardians are also available to overcome different types of difficulties by providing family like environment. The support of the mentor and their advice can help to lower working stress and build confidence. Besides, the parents can be assured that their wards are under supervision and guidance. Objectives of TGS scheme:

- To encourage the student to attend classes and practical sessions regularly
- To develop discipline in routine activities and to monitor academic performance of the students
- To encourage the student to participate in cocurricular and extracurricular activities
- To help students to cope with any difficulties in learning Implementation Process
- One teacher is nominated as 'Teacher Guardian' for 20 to 30 students.
- Teacher guardian maintains all the information of the students such as their attendance, academic performance etc. and also monitors them.
- Formal and informal interactions happen between TG and concern students.
- In case of nonperformance by the students, TG communicates with the parent and discusses with them the possible measures to improve the student's performance.
- Parents also

can contact the TG or Class Teacher to keep the track record of their ward. • After completion of semester, compiled report of meeting, attendance and the points discussed in the meeting is submitted to the department's teacher guardian coordinator. • Thus, TG tries to understand and provide solutions (in some cases) to the personal problems of students. Class Teacher Scheme Each division has a class teacher. The Class Teacher holds the complete responsibility of their class for the academic year. Class Teacher is one of the course teachers of the same class. They maintain the records of their students like attendance, personal information, etc. They also look after the overall discipline and academic performance of the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2264	153	1:15

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
166	166	0	11	27

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	Dr. Manish S. Dixit	Associate Professor	Member of Board of Studies Engineering and Technology, Dr. BATU, Lonere.
2019	Mr. Mohammed Ishtiyaque	Assistant Professor	Ph. D. (Dr. B.A.M.University, Aurangabad)
2019	Dr. Manish S. Dixit	Associate Professor	Best Professor in Engineering at 11TH DNA Innovative Education Leadership Awards.
2019	Ms. Subhashree Sawant	Assistant Professor	Topper of 1 (Elite Gold) in NPTEL course
2019	Ar. Kuldeep kaur Bhatia	Associate Professor	Topper of 1 (Elite Gold) in NPTEL course
2019	Ms. U. R. Borsarkar	Assistant Professor	Ph. D. (Dr. B.A.M.University, Aurangabad)
2018	Mr. J. R. Gaikwad	Assistant Professor	M.Phil (Dr. B.A.M.University, Aurangabad)
2019	Dr. Radhakrishna Naik	Professor	Outstanding Alumni Award , National Institute of Electronics and Information

			Technology, Aurangabad.
2019	Ms. Rupali Mangrule	Assistant Professor	Topper of 1 (Elite Gold) in NPTEL course
2019	Dr. Sunita M. Badave	Professor	Member, Board of Studies, Dr. Babasaheb Ambedkar Marathwada University
2018	Dr. Ajij D. Sayyad	Vice Principal	Member of Board of Studies Engineering and Technology, Dr. BATU, Lonere.
2018	Dr. Hanumant M. Dharmadhikari	Vice Principal	Member of Board of Studies Engineering and Technology, Dr. BATU, Lonere.
2018	Dr. Nilesh G. Patil	Principal	Associate Dean, Engineering and Technology, Dr. BATU, Lonere.
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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	Mechanical, Civil, CSE, Electrical, ETC	May June 2019	08/06/2019	07/08/2019
BArch	Architecture	May June 2019	24/05/2019	16/07/2019
Mtech	All First year Mtech courses	May June 2019	24/05/2019	16/07/2019
BVoc	All First year courses	May June 2019	24/05/2019	17/07/2019
BE	Third and Final year	May June 2019	06/07/2019	19/08/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institution has continuous assessment examination (CAE) /evaluation system in place wherein as per the guidelines of an affiliating University. Minimum two class tests (for second year and onwards student) and one online MCQs based midsemester examination is conducted which carries 20 weightage in grading/total evaluation. CAE answer sheets are shown to students and grievances if any are sorted out immediately. A committee is constituted which includes subject teacher, subject experts and head of department. This committee looks after the grievances of the students regarding evaluation.

Termwork evaluation includes four to five parameters based assessment by the subject teachers. End semester examinations (ESE) are conducted during the semester according to academic calendar. As per the Dr. B. A. T. University, Lonere, Remedial examination is conducted within one month after the declaration of ESE result. Question paper audit is done. Regular periodic tests are conducted. The result of these tests are analysed based on the marks received by the students in ranges 0 to 11, 12 to 16, 17 and above, on a scale of 20 marks. Each faculty discusses the expected solution of the paper and explains the solution for each question to the class. An open house is conducted after each test, to solve the grievances of the students. In the TGS session, students report to their mentor and counselling is provided to the students. The same practice is repeated after each continuous assessment test. Continuous Assessment in laboratory : Continuous assessment is carried out for assessment of laboratory work. The assessment is done on regular basis in the lab sessions to evaluate the experimental performance, laboratory records maintained by the individual students, and their understanding of the experiment. Neatness of the laboratory record work (journal file) is also given weightage in the assessment. The assessment process used to evaluate course outcome is comprised of two components namely, assessment through direct attainment and assessment through indirect attainment. Internal assessment and external assessment are the two ways used for calculating direct attainment whereas course end survey (taken at the end of each semester) is used for calculating the indirect attainment. Internal assessment tools used for direct attainment are 'Class tests' and 'Term work'. Three Class tests based on the course syllabus designed by the university are conducted during a semester. The format of class test question paper clearly presents the cognitive levels and the COs that are addressed by the particular question. The term work which is a continuous assessment of the students' performance is awarded on four components listed below. • Attendance in practical • Individual / group performance of the experiment • Presentation of the lab report • Assessment by the teacher based on few review questions on respective practical

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Institute is affiliated to Dr. B. A. Technological University, Lonere (for First and Second year UG/PG courses of Engineering disciplines) and to Dr. B. A. Marathwada University, Aurangabad (for MCA course Third and Final year UG courses of Engineering disciplines) in AY 201819. Curriculum of each UG/PG course is delivered as per the scheme and syllabus of affiliated University. Before the commencement of academic year/semester, the college refers the academic calendar to chalk out an institutional academic calendar. The departments in the institute starts planning for the next semester at the end of previous semester. Subjects are allocated to faculties before summer/winter break so as to provide sufficient time for preparartion. The course coordinator finalises the Cos, COPO mapping, relevant assessment tools, delivery methods, etc before the commencement of new semester. The class teacher compiles the schedule for conduct of assessment tools in coordination with all course coordinators and institute and university academic calendar. The student association coordinators and faculty coordinators prepare the co curricular and extra curricular activity schedule. In this manner, after combining both the schedules, a department academic calendar is prepared and displayed. Adherence to the academic calendar in monitored on regular basis by Head of the department. The Academic Calendar prepared at the start of academic year 201819 that serves as an information source and planning document for students, faculty, staff and departments, as well as outside organizations. The calendar includes registration dates, class start dates, add/drop deadlines, exam dates and more. Structure of examination scheme for a course is specified in the curriculum. All the teachers follows the same and all sorts of internal and

external assessment and evaluation are mapped to this scheme. Mid Semester Examination in each semester is conducted for maximum 20 marks. The score obtained in the said test is considered for 20 marks as continuous assessment performance. Continuous Assessment tools (Theory) like, Class test, Tutorials, Assignments, are considered to assess course outcome and overall performance is calculated for 20 marks. Continuous Assessment (Practical/Laboratory), the assessment is done through judgment of the performance of a student in conduction of each experiment of 10 marks. The score obtained in the said laboratory experiments is considered for 60 marks. Practical Oral Examination (ESEPr.), students' performance in external examination like Viva voce (Practical), Practical work (Sessional) is treated for 40 marks. The Course Outcome of respective subjects is drawn after summation of these two performances by performing cumulative assessment. The record of the erformance of students in internal assessment with respect to COs is prepared and maintained.

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://engg.mit.asia/departments>, <http://mca.mit.asia/bvoc.html>,
<http://mca.mit.asia>

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
B.Tech In Electrical Engineering	BTech	Electrical Engineering	64	57	89.06
B.Tech In Civill Engineering	BTech	Civil Engineering	128	80	62.5
B.Tech In MechanicalEngineering	BTech	Mechanical Engineering	161	125	77.63
Department of Computer Applications	MCA	MCA	32	26	81.25
Bachelor of Architecture	BArch	Architecture	40	38	95
B.Tech in Electronics and Telecommunication Engineering	BTech	ETC	47	38	80.85
B.Tech in Computer Science & Engineering	BTech	Computer Science & Engineering	113	98	87

No file uploaded.

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://engg.mit.asia/files/engg/downloads/NAAC_AOAR_2018-19_sss.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Minor Projects	365	Dr. Babasaheb Ambedkar Marathwada University	0.35	0.17
Any Other (Specify)	180	Dr. Babasaheb Ambedkar Marathwada University	0.2	0.2
Minor Projects	365	Dr. Babasaheb Ambedkar Marathwada University	0.35	0.15

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3.2 – Innovation Ecosystem

3.2.1 – 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
Expert Talk on EHV Lines in Transmission system(Maharashtra State Electricity Transmission Company Ltd)	Electrical Engineering	06/10/2018
One week STTP - "Electric Power System" (Maharashtra State Electricity Transmission Company Ltd)	Electrical Engineering	08/10/2019
Smart Skills	Architecture	19/01/2019
Conservation of heritage structures of Aurangabad	Architecture	09/02/2019
Following North	Architecture	28/02/2019
Professional Practice	Architecture	28/02/2019
Unlearning Architecture	Architecture	01/03/2019
Inspirations	Architecture	01/03/2019
Bamboo Workshop	Architecture	28/02/2019
Opportunities in Cognizant Japan for Indian Students	Computer Applications	13/08/2018

Faecal Sludge Management	Civil Engineering	10/08/2018
Research Methodology Data Analysis Techniques	Civil Engineering	29/03/2019
Expert Talk on Introduction to Transmission and Distribution System (Maharashtra State Electricity Transmission Company Ltd)	Electrical Engineering	28/07/2018
Expert Talk on EHV Substation Layout ((Maharashtra State Electricity Transmission Company Ltd)	Electrical Engineering	18/08/2018
Expert Talk on Substation Equipments(Maharashtra State Electricity Transmission Company Ltd)	Electrical Engineering	09/08/2018

3.2.2 – 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
Energy Conservation Management	G.S Mandals MIT, Aurangabad	Maharashtra Energy Development Agency (A Government of Maharashtra Institution)	23/02/2019	Educational Research Institute Sector
View File				

3.2.3 – 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
In process	NA	NA	NA	NA	01/03/2019
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Till date no students have been awarded PhD degree registered to Institute Research Center	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
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International	Mechanical Engineering	20	4.98
International	Civil Engineering	4	3
International	Computer Application	2	4.25
National	Basic Sciences Humanities	7	2
International	Basic Sciences Humanities	15	2
International	Electronics and Telecommunication Engineering	10	2
International	Computer Science and Engineering	5	1.8
View File			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Basic Sciences Humanities	2
Computer Science Engineering	5
Architecture	1
Electrical Engineering	1
View File	

3.3.5 – 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
Experimental investigations into turning of hardened AISI 4340 steel using vegetable based cutting fluids under minimum quantity lubrication .	Gunjal, Shrikant U., and Nilesh G. Patil	Procedia Manufacturing	2018	8	Marathwada Institute of Technology	8
Experimental study	Agrawal, Sachin M.,	Procedia Manufacturing	2018	6	Marathwada Institute	6

of non edible vegetable oil as a cutting fluid in machining of M2 Steel using MQL	and Nilesh G. Patil.	ng			of Technology	
Wire electro discharge machining of metal matrix composites: a review.	Gore, Abhay S., and Nilesh G. Patil	Procedia Manufacturing	2018	6	Marathwada Institute of Technology	6
A perspective on shaping of advanced ceramics by electro discharge machining	Farooqui, Mohammed Naser, and Nilesh G. Patil.	Procedia Manufacturing 20	2018	8	Marathwada Institute of Technology	8
Comparative investigations into high speed machining of AB titanium alloy (Ti-6al4v) under dry and compressed Co2 gas cooling environment.	Karkade, Hemant B., and Nilesh G. Patil.	AIP Conference Proceedings, vol. 2018, no. 1, p. 020009. AIP Publishing,	2018	0	Marathwada Institute of Technology	0
The Experimental Investigations into Dry Turning of Austempered Ductile Iron.	Bhople, Narendra, Nilesh Patil, and Sachin Mastud	. Procedia Manufacturing 20	2018	0	Marathwada Institute of Technology	0
Mechanical Characterization and Machining of Squeeze Cast	Balasubramanian, I., R. Maheswaran, V. Manikandan, Nilesh	Procedia Manufacturing 20	2018	3	Marathwada Institute of Technology	3

AZ91D/SiC Magnesium based Metal Matrix Composites	Patil, M. Ayyanar Raja, and Ranganath M. Singari.					
Effect of cutting parameters, point angle and reinforcement percentage on surface finish, in drilling of AL6061/ Al2O3p MMC.	Jadhav, S. S., A. S. Kakde, N. G. Patil, and J. B. Sankpal.	Procedia Manufacturing 20	2018	6	Marathwada Institute of Technology	6
The Effect of Karanja based Soluble Cutting Fluid on Chips Formation in Orthogonal Cutting Process of AISI 1045 Steel.	Nizamuddin , Mohammad, Sachin M. Agrawal, and Nilesh Patil	Procedia Manufacturing 20	2018	6	Marathwada Institute of Technology	6
Experimental Evaluation of Cottonseed Biodiesel as an Alternative Fuel for Diesel Engine.	Shelke, Pankaj S., Nitin M. Sakhare, Subhash Lahane, and N. G. Patil.	Conference Proceedings of the Second International Conference on Recent Advances in Bioenergy Research, pp. 8393. Springer, Singapore	2018	1	Marathwada Institute of Technology	1
Modeling of Roughness Value from Tribological Parameters in Hard	Siraj, Sayyed, H. M. Dharmadhikari, and Nilesh Gore.	Procedia Manufacturing 20	2018	1	Marathwada Institute of Technology	1

Turning of AISI 52100 Steel						
Experimental studies in finite element model updating of vibroacoustic cavities using coupled modal data and FRFs	Nehete, D. V., S. V. Modak, and K. Gupta.	Applied Acoustics 150	2019	1	Marathwada Institute of Technology	1
Comparative Analysis of unit Force Problems using IP Theory and FEM (ANSYS)	Ukadgaonker, V. G., S. P. Powar, Subhash Lahane, and D. V. Nehete	Procedia Manufacturing 20	2018	0	Marathwada Institute of Technology	0
Effect of the Postweld Heat Treatments on Mechanical and Corrosion Properties of Friction StirWelded AA 7075T6 Aluminium Alloy.	Pankade, S. B., P. M. Ambad, R. Wahane, and C. L. Gogte.	In Strengt hening and Joining by Plastic De formation, pp. 7994. Springer, Singapore,	2018	0	Marathwada Institute of Technology Marathwada Institute of Technology	0
Facile conversion of zinc hydroxide carbonate to CaOZnO for selective CO2 gas detection	Joshi, Shravanti, Lathe A. Jones, Ylias M. Sabri, Suresh K. Bhargava, Manorama V. Sunkara, and Samuel J. Ippolito	Journal of colloid and interface science 558	2018	0	RMIT University	0
Straddled	Joshi,	ACS	2018	5	RMIT	5

Band Aligned CuO/BaTiO ₃ Heterostructures: Role of Energetics at Nanointerface in Improving Photocatalytic and CO ₂ Sensing Performance.	Shravanti, Ram Kumar Canjeevara m Balasubramanyam, Samuel J. Ippolito, Ylias M. Sabri, Ahmad E. Kandjani, Suresh K. Bhargava, and Manorama V. Sunkara	Applied Nano Materials 1, no. 7			University	
Static and Dynamic Analysis of Foundations considering SSI under different soils and vertical load using FEM	Dr. M.S. Dixit and V.R.Upadhye	STM Journal of Geotechnical Engineering	2018	4	Marathwada Institute of Technology	4
Highly Selective CO ₂ Gas Sensing Properties of CaOBaTiO ₃ Heterostructures Effected through Discretely Created Nanointerfaces	Joshi, Shravanti, Frank Antolasic, Manorama V. Sunkara, Suresh K. Bhargava, and Samuel J. Ippolito.	ACS Sustainable Chemistry Engineering 6, no. 3	2018	1	RMIT University	1
Analysis of Foundation and Soil Structures Interaction Using FEM A Review	Dr. M.S. Dixit and V.R.Upadhye	Environmental and Sustainable Development	2018	4	Marathwada Institute of Technology	4
A Seismic Analysis of RC Structures	V.R.Upadhye	Journal of Structural Engineering and	2018	0	Marathwada Institute of Technology	0

Under Tuned Mass Damper System		Management				
Innovative Application of Aerated Concrete A Review	S.K. Swami / S. T. Patil	Journal of construction Engineering Technology and Management	2018	0	Marathwada Institute of Technology	0
Testing of Local Control Cabinet in Gas Insulated Switchgear using Design of Simulation kitRevista	Ms. Aishwarya S.Taur, Dr .S.M.Badave	IEEE 13th International Conference on Compatibility, Power Electronics and Power Engg., Sonderborg, Denmark, 2325 April 2019	2019	26	Marathwada Institute of Technology	26
Cyber Crime Analysis of Maharashtra State using Gradient Descent Approach with Linear Regression	Prashant L. Chintal	International Journal of Pure and Applied Mathematics	2018	1	Marathwada Institute of Technology	1
Data Analysis Data Classification Techniques for Meditative NonMeditative Brain Rhythms using EEG Signals	Seema Kute	International Journal of Electrical Electronics Computer Science Engineering	2018	0	Marathwada Institute of Technology	0
Thermophysical Properties of N,NDimethylacetamide Mixtures	Aruna P. Maharolkar, A. G. Murugkar, P. W. Khirade, and S. C.	Russian Journal of Physical Chemistry A,	2018	4	Marathwada Institute of Technology	0

with nButanol	Mehrotra					
DIELECTRIC PHYSIOCHEMICAL CHARACTERIZATION OF NITROMETHANE WITH DMSO AT 293.15 K	Aruna P. Maharolkar, A. G. Murugkar, P. W. Khirade	J. Chil. Chem. Soc.,	2018	4	Marathwada Institute of Technology	0
Solgel Auto Combustion Synthesis, Structural and Magnetic Properties of Mn doped ZnO Nanoparticles	S.D.Birajdar	Procedia Manufacturing	2018	3	Marathwada Institute of Technology	0
Nd: YAG laser irradiation effects on structural and magnetic properties of Ni _{1-x} Zr _x Fe ₂ O ₄ nanoparticles	S.D.Birajdar	Radiation Physics and Chemistry	2018	1	Marathwada Institute of Technology	0
Enhancement of Electrical Resistivity in Nickel Doped ZnO Nanoparticles	S.D.Birajdar	Procedia Manufacturing	2018	0	Marathwada Institute of Technology	0
Structural, morphological, optical, magnetic and electrical properties of Al ₃ substituted nickel ferrite	S.D.Birajdar	Journal of Alloys and Compounds	2018	3	Marathwada Institute of Technology	0

thin films						
Structural , morphological and magnetic properties of pure and Ni doped ZnO nanoparticles synthesized by solgel method	S.D.Birajdar	American Institute of Physics Conference Proceedings	2018	0	Marathwada Institute of Technology	0
Effect of iron oxide (Fe ₂ O ₃) on the structural, optical, electrical, and dielectric properties of SrO-V ₂ O ₅ glasses	S.D.Birajdar	Glass Physics and Chemistry	2018	1	Marathwada Institute of Technology	0
TEMPERATURE DEPENDENT MICROWAVE DIELECTRIC CHARACTERIZATION OF ASSOCIATED LIQUIDS	A.P. Maharolkar, A. Murugkar, P. Khirade, S. Mehrotra	Journal of structural chemistry	2018	4	Marathwada Institute of Technology	0
Study of Thermo Physical Properties of Binary Liquid Mixtures	SL Patankar, Aruna P Maharolkar, AG Patil, AG Murugkar	MALAYSIAN JOURNAL OF CHEMISTRY (MJChem)	2018	4	Marathwada Institute of Technology	0
Microwave dielectric study of polar liquids at 298 K	Aruna P. Maharolkar, A. Murugkar, and P. W. Khirade	AIP Conference Proceedings	2018	4	Marathwada Institute of Technology	0
Some properties of the week product of graphs on a lattice	U.R. Borsarkar	Asian European Journal of Mathematics	2018	3	Marathwada Institute of Technology	0

Early Detection and Classification of sugar cane plant disease with Multi class support vector machine	Rupali Mangrule, Dr. Rahat Khan	Journal of Adv. Research in Dynamical Control Systems	2018	0	Marathwada Institute of Technology	0
Analysis of public Sentiments using Annotation Technique	Syed Shoeb, Bhakti Ahi rwadkar, S. A. Kinariwala	International Journal of Scientific development and Research(IJSDR)	2018	0	Marathwada Institute of Technology	0
Survey: Sentiment Stress Identification using TensiStrength Framework	Reshma Baheti, S. A. Kinariwala	International Journal of Scientific Research and Engineering development (IJSER)	2019	0	Marathwada Institute of Technology	0
Comparative Analysis of Emotion states Based on Facial Expression Modality	Kiran Gaikwad, Dr. C.M. Sheela Rani	Jour of Adv Research in Dynamical Control Systems, Vol. 11, 01Regular Issue, 2019	2019	0	Marathwada Institute of Technology	0
Early Detection and Classification of sugar cane plant disease with Multi class support vector machineq	R. A. Mangrule Dr. R. A. Khan	ICSCAI 2018	2018	0	Marathwada Institute of Technology	0
Comparative study of ZRP and EZRP	S. D. Ghode Dr. K. K. Bhojar	ICCET 2019	2019	0	Marathwada Institute of Technology	0

INTELLIGENT TRANSPORTATION SYSTEM: A SURVEY	Dhanashree Morkhandikar, Madhuri Joshi, Shubhada Ardhapurkar	ICSCAI2018	2018	0	Marathwada Institute of Technology	0
Public Auditing Schemes(PAS) for Dynamic Data in cloud:A Review	Dipa Dharmadhikari ,Dr Sharvaree Tamne	SmartCom 2017(Smart Trends for information Technology Computer Communications	2018	1	Marathwada Institute of Technology	1
Comparative Analysis of unit Force Problems using IP Theory and FEM (ANSYS)	Ukadgaonker, V. G., S. P. Powar, Subhash Lahane, and D. V. Nehete.	Procedia Manufacturing 20	2018	0	Marathwada Institute of Technology	0
Design of heat exchanger for waste heat recovery from exhaust gas of diesel engine.	Thakar, Ram, Santosh Bhosle, and Subhash Lahane.	Procedia Manufacturing 20	2018	9	Marathwada Institute of Technology	9
J. M. Coetzee's Diary of Bad Year: Ethical and Fictional Awareness after 9/11 Incident.	Ganesh Sarangdhar Kakade	New Man International Journal, Parbhani.	2018	0	Marathwada Institute of Technology	0
A Struggle for Space and Identity in Manju Kapur's 'A Married Woman'	Ganesh Sarangdhar Kakade	Ajantha International Quarterly Journal	2018	0	Marathwada Institute of Technology	0
Inland	Ar.	Internatio	2018	0	Marathwada	0

water transportation in India: Past, Present and Future.	Deepali Hejib	Journal of Urban Design			Institute of Technology
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3.3.6 – 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
Experimental investigations into turning of hardened AISI 4340 steel using vegetable based cutting fluids under minimum quantity lubrication .	Gunjal, Shrikant U., and Nilesh G. Patil	Procedia Manufacturing	2018	8	8	Marathwada Institute of Technology
Experimental study of non edible vegetable oil as a cutting fluid in machining of M2 Steel using MQL	Agrawal, Sachin M., and Nilesh G. Patil.	Procedia Manufacturing	2018	8	6	Marathwada Institute of Technology
Wire electro discharge machining of metal matrix composites: a review.	Gore, Abhay S., and Nilesh G. Patil	Procedia Manufacturing	2018	8	6	Marathwada Institute of Technology
A perspective on shaping of advanced	Farooqui, Mohammed Naser, and Nilesh G.	Procedia Manufacturing 20	2018	8	8	Marathwada Institute of Technology

ceramics by electro discharge machining	Patil.					
Comparative investigations into high speed machining of AB titanium alloy (Ti-6al4v) under dry and compressed Co2 gas cooling environment.	Karkade, Hemant B., and Nilesh G. Patil.	AIP Conference Proceedings, vol. 2018, no. 1, p. 020009. AIP Publishing,	2018	8	0	Marathwada Institute of Technology
The Experimental Investigations into Dry Turning of Austempered Ductile Iron.	Bhople, Narendra, Nilesh Patil, and Sachin Mastud	. Procedia Manufacturing 20	2018	8	0	Marathwada Institute of Technology
Mechanical Characterization and Machining of Squeeze Cast AZ91D/SiC Magnesium based Metal Matrix Composites	Balasubramanian, I., R. Maheswaran, V. Manikandan, Nilesh Patil, M. Ayyanar Raja, and Ranganath M. Singari.	Procedia Manufacturing 20	2018	8	3	Marathwada Institute of Technology
Effect of cutting parameters, point angle and reinforcement percentage on surface finish, in drilling of AL6061/Al2O3p MMC.	Jadhav, S. S., A. S. Kakde, N. G. Patil, and J. B. Sankpal.	Procedia Manufacturing 20	2018	8	6	Marathwada Institute of Technology
The Effect of Karanja	Nizamuddin ,	Procedia Manufacturing	2018	8	6	Marathwada Institute

based Soluble Cutting Fluid on Chips Formation in Orthogonal Cutting Process of AISI 1045 Steel.	Mohammad, Sachin M. Agrawal, and Nilesh Patil	ng 20				of Technology
Experimental Evaluation of Cottonseed Biodiesel as an Alternative Fuel for Diesel Engine.	Shelke, Pankaj S., Nitin M. Sakhare, Subhash Lahane, and N. G. Patil.	Conference Proceedings of the Second International Conference on Recent Advances in Bioenergy Research, pp. 8393. Springer, Singapore	2018	8	1	Marathwada Institute of Technology
Comparative Analysis of unit Force Problems using IP Theory and FEM (ANSYS)	Ukadgaonker, V. G., S. P. Powar, Subhash Lahane, and D. V. Nehete.	Procedia Manufacturing 20	2018	8	0	Marathwada Institute of Technology
Design of heat exchanger for waste heat recovery from exhaust gas of diesel engine.	Thakar, Ram, Santosh Bhosle, and Subhash Lahane.	Procedia Manufacturing 20	2018	8	9	Marathwada Institute of Technology
Experimental Evaluation of Cottonseed Biodiesel as an Alternative Fuel for Diesel	Shelke, Pankaj S., Nitin M. Sakhare, Subhash Lahane, and N. G. Patil.	Conference Proceedings of the Second International Conference on Recent Advances in Bioenergy	2018	8	1	Marathwada Institute of Technology

Engine		Research, pp. 8393. Springer, Singapore				
Modeling of Roughness Value from Tribological Parameters in Hard Turning of AISI 52100 Steel	Siraj, Sayyed, H. M. Dharmadikari, and Nilesh Gore.	Procedia Manufacturing 20	2018	2	1	Marathwada Institute of Technology
Experimental studies in finite element model updating of vibroacoustic cavities using coupled modal data and FRFs	Nehete, D. V., S. V. Modak, and K. Gupta.	Applied Acoustics 150	2019	2	1	Marathwada Institute of Technology
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	16	26	11
Presented papers	2	1	0	0
Resource persons	0	0	0	3
View File				

3.4 – Extension Activities

3.4.1 – 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
Democracy Pandharwada (Voting Awareness) dated 23/01/2019 at Paithankheda Village, Tal : Paithan, Dist : Aurangabad	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	2	47

NSS State level workshop dated 23/01/2019 to 24/01/2019 at Balewadi Pune	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	1	0
Central Reserve Police Force Jawan Felicitation dated 27/02/2019	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	1	241
Indian Driving University Speech at MIT Aurangabad dated 16/10/2018	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	2	143
15th National Youth Parliament Competition 25th Oct. 2018	Marathwada Institute of Technology and National Youth Parliament	1	55
Marathwada Mukti Sangram Din Tiranga Padyatra dated 17/09/2018	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	5	50
Ganpati Visarjan Cleanliness Drive at Shivaji Nagar Aurangabad dated 23/09/2018	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	2	50
NSS Vardhapan Diwas at MIT Aurangabad dated 24/09/2018	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	2	40
Surgical Strike Day dated 29/09/2018	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	2	156
Cleanliness Drive at Karnapura Yatra, Aurangabad dated 15/10/2018	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	5	23
Dr. A.P.J. Abdul Kalam Jayanti Diwas dated 16/10/2018	Marathwada Institute of Technology, Aurangabad Dr. B.A.M. University, Aurangabad (M.S.)	2	35
Sardar Vallabhbhai Jayanti dated 31/10/2018	Marathwada Institute of Technology, Aurangabad Dr.	2	16

(National unity Day)	B.A.M.University,Aurangabad (M.S.)		
Indirajee Gandhi Jayanti dated 31/10/2018	Marathwada Institute of Technology,Aurangabad Dr. B.A.M.University,Aurangabad (M.S.)	2	17
Sanvidhan Din dated 26/11/2018	Marathwada Institute of Technology,Aurangabad Dr. B.A.M.University,Aurangabad (M.S.)	2	22
Krantijyoti Savitribai Phule Jayanti Diwas dated 03/01/2019	Marathwada Institute of Technology,Aurangabad Dr. B.A.M.University,Aurangabad (M.S.)	2	17
National Youth Day dated 12/01/2019	Marathwada Institute of Technology,Aurangabad Dr. B.A.M.University,Aurangabad (M.S.)	2	200
Dr.Babasaheb Ambedkar Marathwada University Vistar Diwas dated 14/01/2019	Marathwada Institute of Technology,Aurangabad Dr. B.A.M.University,Aurangabad (M.S.)	2	25
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3.4.2 – 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
Blood Donation Camp dated 8th August 2019 at MIT Aurangabad.	Appreciation (Smruthi Chinnha)	Divisional Blood bank,Government Medical College Hospital,Aurangabad(M.S.)	84
View File			

3.4.3 – 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 activities	Number of students participated in such activities
Non Government Organization	Department of Electronics and telecommunication	Visit to Orphanage	5	50
NSS	Marathwada Institute of Technology,Aurangabad Municipal	Aurangabad Heritage Drive dated 21/09/2018 to	2	45

	Corporation Aurangabad (M.S.)	22/09/2018 at Satara Parisar. Aurangabad		
NSS	Marathwada Institute of Technology, Aurangabad Municipal Corporation Aurangabad (M.S.)	N.S.S. Special camp on "Water Conservation Water Management" dated 21/01/2018 to 27/01/2018 at Paithankheda village, Tal : Paithan, Dist : Aurangabad (M.S.)	2	100

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
One week STTP on Advances in Material and Manufacturing Technology (AMMT) (01 to 06 March 2019)	45	TEQIP3, Dr. BATU, Lonere	06
Autodesk Students Bootcamp Fusion 360 (1116 January 2019)	50	Dr. BATU, Lonere Autodesk Bangalore	06
Ready Engineer	160	Tata Tech. Ltd Pune 160	01

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3.5.2 – 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
Short Term	In Plant training11	vinodrai Engineers Pvt Ltd, jalna	16/12/2018	31/12/2018	1
Short Term	In Plant Training	TRANSDELTA PVT. LTD., Aurangabad	16/12/2018	31/12/2018	5
Short Term	In Plant Training	Bush Electromech, Aurangabad	16/12/2018	31/12/2019	10

Short Term	In Plant Training	Proton Electrical Appliances	16/12/2018	31/12/2018	10
Short Term	In Plant Training	Maharashtra State Electricity Transmission Company Ltd	16/12/2018	31/12/2018	33
Short Term	In Plant Training	Mahindra CIE Automotive LTD, Mangaon, Raigad	16/12/2018	31/12/2018	1
Short Term	In Plant Training	Gautam Industries, Beed	16/12/2018	31/12/2018	1
Short Term	In Plant Training	Mangus Systems and solutions Latur	16/12/2018	31/12/2018	10
Short Term	In Plant Training	Digvijay Industry, Aurangabad	01/06/2019	30/06/2019	5
Short Term	In Plant Training	Pooja Technical Services, Aurangabad	01/06/2019	30/06/2019	2
Short Term	In Plant Training	Vinodrai Ltd. Jalna	01/06/2019	30/06/2019	1
Short Term	In Plant Training	Precision Plastic Pvt.Ltd, Aurangabad	01/06/2019	30/06/2019	2
Short Term	In Plant Training	Goodyear Ltd. Aurangabad.	01/06/2019	30/06/2019	2
Short Term	In Plant Training	United Spirit, Chikhaltana Aurangabad	01/06/2019	30/06/2019	2
Short Term	In Plant Training	G.H.Technoworld, Aurangabad.	01/06/2019	30/06/2019	1
Short Term	In Plant Training	Yeshashree Comp. Press, Aurangabad	01/06/2019	30/06/2019	1
Short Term	In Plant Training	Allied Transpowers, Aurangabad	01/06/2019	30/06/2019	10
Short Term	In Plant training	Gelephu, Bhutan	01/06/2019	30/06/2019	2
Short Term	In Plant	Gautam	01/06/2019	30/06/2019	3

	Training	Industries, Beed			
Short Term	In Plant Training	Pioneer Distelleries Ltd, Dharmabad	01/06/2019	30/06/2019	2
Short Term	In Plant Training	Manu Electricals	01/06/2019	30/06/2019	2
Short Term	In Plant Training	Rucha engineers	01/06/2019	30/06/2019	4
Short Term	In Plant training	S.S.Control Systems	01/06/2019	30/06/2019	4
Short Term	In Plant training	My World, Aurangabad	16/12/2018	31/12/2018	5
Short Term	In Plant training	Deopulkar Br others, Aurangabad	16/12/2018	31/12/2018	5
Short Term	In Plant Training	Jay Developers, Aurangabad	16/12/2018	31/12/2019	1
Short Term	In Plant training	R Darade Construction, Aurangabad	16/12/2018	31/12/2018	3
Short Term	In Plant training	D.K.Construction, Shirpur	16/12/2018	31/12/2018	1
Short Term	In Plant training	Adiva Corporation, Nagpur	16/12/2018	31/12/2018	1
Short Term	In Plant training	Swarj Construction, Aurangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	Rajkamal Construction, Washim	16/12/2018	31/12/2018	1
Short Term	In Plant training	Dhruv Gokuldam, Aurangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	TRIMURTI CEMENT PVT LTD, Aurangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	D.K.Construction, Shirpur	16/12/2018	31/12/2018	1
Short Term	In Plant training	HRS ASSOCIATES, Aurangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	METRO INFRA, Aurangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	Mangalam Builders Dev	16/12/2018	31/12/2018	1

		elopers ,Omer ga			
Short Term	In Plant training	Anand Associ ates,Auranga bad	16/12/2018	31/12/2018	1
Short Term	In Plant training	Shri Narayana Builders, Aurangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	Tenzin Gekg,Gelephu Construction ,Bhutan	16/12/2018	31/12/2018	2
Short Term	In Plant training	PWD,Dimapur, Nagaland	16/12/2018	31/12/2018	2
Short Term	In Plant training	KATARIYA ENGINEERS, Aurangabad	16/12/2018	31/12/2018	3
Short Term	In Plant training	R.R.Consulta nts, Aurangabad	16/12/2018	31/12/2018	3
Short Term	In Plant training	Smart GroupC onsultancy, Nanded	16/12/2018	31/12/2018	1
Short Term	In Plant training	KATARIYA ENGINEERS, Aurangabad	16/12/2018	31/12/2018	2
Short Term	In Plant training	JK Construction pvt ltd, Osmanabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	Saffron Asso ciates,Auran gabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	D.J.Construc tion,Auranga bad	16/12/2018	31/12/2018	1
Short Term	In Plant training	Landmark Con struction,Au rangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	DKT Group Bu ilders,Auran gabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	Sameer Const ruction, Aurangabad	16/12/2018	31/12/2018	2
Short Term	In Plant training	Shravi Const ruction,Aura ngabad	16/12/2018	31/12/2018	1
Short Term	In Plant training	SAI Builders ,Aurangabad	16/12/2018	31/12/2018	1

Short Term	In Plant training	Middleware Information Technology Services Pvt. Ltd	01/01/2019	31/05/2019	1
Short Term	In Plant training	Empower Systems	01/01/2019	31/05/2019	2
Short Term	In Plant training	Coding Visions Infotech Pvt. Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	Creazione Software	01/01/2019	31/05/2019	3
Short Term	In Plant training	Maestro Intellect	01/01/2019	31/05/2019	1
Short Term	In Plant training	Bitwise Global Pvt. Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	MIT RedHat Academy Ltd.,	17/12/2018	31/12/2018	86
Short Term	In Plant training	Techinvento Pvt. Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	Expert Script Soft Solutions	01/01/2019	31/05/2019	2
Short Term	In Plant training	Fabz Info Pvt. Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	Wenetis Enterprises	01/01/2019	31/05/2019	2
Short Term	In Plant training	NIIT	01/01/2019	31/05/2019	1
Short Term	In Plant training	Maxgen Technology Pvt. Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	Web Minds Technology	01/01/2019	31/05/2019	1
Short Term	In Plant training	Satrix Software Solution	01/01/2019	31/05/2019	1
Short Term	In Plant training	Ristel Technologies	01/01/2019	31/05/2019	2
Short Term	In Plant training	Soch Solutions	01/01/2019	31/05/2019	1
Short Term	In Plant training	eConsignsoft	01/01/2019	31/05/2019	1
Short Term	In Plant training	Sunsoft Technology	01/01/2019	31/05/2019	1
Short Term	In Plant	Inforadiance	01/01/2019	31/05/2019	1

	training	Software Solutions			
Short Term	In Plant training	Webaromatics Technoloy Pvt. Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	IMedita Learning Solutions(P) Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	Atorix IT Solutions	01/01/2019	31/05/2019	1
Short Term	In Plant training	Syscort Technology	01/01/2019	31/05/2019	1
Short Term	In Plant training	Tadnya Softech Pvt. Ltd.	01/01/2019	31/05/2019	1
Short Term	In Plant training	Ravikiran Infotech Aurangabad	17/12/2018	31/12/2018	20
Short Term	In Plant training	Kaizen Infosys Pune	17/12/2018	31/12/2018	4
Short Term	In Plant training	AUM Labs Pune	17/12/2018	31/12/2018	1
Short Term	In Plant training	Nath Seeds Aurangabad	17/12/2018	31/12/2018	1
Short Term	In Plant training	Dhoot Transmission Aurangabad	31/12/2018	08/01/2019	1
Short Term	In Plant training	Cloud9 Technologies Ahmadnagar	17/12/2018	02/01/2019	1
Short Term	In Plant training	Alpha Developers Team Aurangabad	17/12/2018	31/12/2018	1
Short Term	In Plant training	Hema Spring Pvt Ltd Aurangabad	17/12/2018	31/12/2018	1
Short Term	In Plant training	Sanjiv Group Aurangabad	17/12/2018	05/01/2019	4
Short Term	In Plant training	Wainfo Technologies Aurangabad	17/12/2018	02/01/2019	1
Short Term	In Plant training	Cproz Aurangabad	19/12/2018	03/01/2019	1
Short Term	In Plant training	HSB Software Solution Parli Vaijnath	18/12/2018	14/01/2019	1
Short Term	In Plant	CMS IT	20/12/2018	05/01/2019	2

	training	Services Aurangabad			
Short Term	In Plant training	Proskill Institute and Software Dev, Aurangabad	15/12/2018	02/01/2019	1
Short Term	In Plant training	Shonarya Technologies Pune	17/12/2018	05/01/2019	1
Short Term	Internship	Ar. Alkesh Gangwal, 45, Nirala Bazaar, Samartha Nagar, Aurangabad, 431001	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Rameshwar Maniyar, Unit 04, Heavenly homes, Next to Cummins India and IRIS High Street, Balewadi, Pune 411044	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Sanjeev Mhatre, 3, Omkar, Plot No. 20, Madhavbaug. Co. Op. Hsg. Soc. Shivtirth nagar, Pune 38	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Mahesh Govardhan, 202, Sai sadan, C building, Sant nagar, Parvati, Pune 411009	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. AJAY THAKUR, Mill Corner, Khadkeshwar Road, Aurangabad.	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Vaishali kawalkar, A2, sterling horizon, near reliance	01/07/2018	31/10/2018	1

		super market, pashan sus road, pashan, pune			
Short Term	Internship	Ar.Uma Ghotge,architects United, prabhat road , lane no.14 near income tax office, nal stop ,Pune.	01/07/2018	31/10/2018	1
Short TermShort Term	In Plant training	Sanjeev Auto	16/12/2018	31/12/2018	9
Short Term	In Plant training	Gururaj electctronic	16/12/2018	31/12/2018	8
Short Term	In Plant training	Veer Bhadra Engineering Works Pvt. Ltd.	16/12/2018	31/12/2018	7
Short Term	In Plant training	Endurance pvt Ltd	16/12/2018	31/12/2018	5
Short Term	In Plant training	Raj Autocare	16/12/2018	31/12/2018	5
Short Term	In Plant training	jayshree engineering	16/12/2018	31/12/2018	4
Short Term	In Plant training	madhurved industries	16/12/2018	31/12/2018	4
Short Term	In Plant training	NAK engineers	16/12/2018	31/12/2018	4
Short Term	In Plant training	devgiri Rock Drilling	16/12/2018	31/12/2018	3
Short Term	In Plant training	Jain precision Pvt Ltd	16/12/2018	31/12/2018	3
Short Term	In Plant training	msrtc	16/12/2018	31/12/2018	3
Short Term	In Plant training	narsapur Auto Pvt. ltd	16/12/2018	31/12/2018	3
Short Term	In Plant training	Varroc Polymers Pvt Ltd(VPPLIII)	16/12/2018	31/12/2018	3
Short Term	In Plant training	Disha Auto Components Pvt.Ltd.	16/12/2018	31/12/2018	2
Short Term	In Plant training	Jyoti Auto Sales	16/12/2018	31/12/2018	2

		Services			
Short Term	In Plant training	metro metal industries	16/12/2018	31/12/2018	2
Short Term	In Plant training	Multitechnology Pvt.Ltd	16/12/2018	31/12/2018	2
Short Term	In Plant training	Swajit Engineering PVT.LTD	16/12/2018	31/12/2018	2
Short Term	In Plant training	welcome engineering	16/12/2018	31/12/2018	2
Short Term	In Plant training	Ajinkya industries pvt ltd,A.bad	16/12/2018	31/12/2018	1
Short Term	In Plant training	auto car service	16/12/2018	31/12/2018	1
Short Term	In Plant training	Chandra electrical and electronics	16/12/2018	31/12/2018	1
Short Term	In Plant training	Datta engineering pvt. Ltd.	16/12/2018	31/12/2018	1
Short Term	In Plant training	dwarka industries	16/12/2018	31/12/2018	1
Short Term	In Plant training	GLS solutions pvt Ltd.	16/12/2018	31/12/2018	1
Short Term	In Plant training	gurukrupa engineering	16/12/2018	31/12/2018	1
Short Term	In Plant training	Jain Traders	16/12/2018	31/12/2018	1
Short Term	In Plant training	kanifnath industries	16/12/2018	31/12/2018	1
Short Term	In Plant training	LUPIN LIMITED	16/12/2018	31/12/2018	1
Short Term	In Plant training1	Mahindra Ahmednagar	16/12/2018	31/12/2018	1
Short Term	In Plant training1	millreef engineering	16/12/2018	31/12/2018	1
Short Term	In Plant training1	narmada industries	16/12/2018	31/12/2018	1
Short Term	In Plant training1	PDG Infratech	16/12/2018	31/12/2018	1
Short Term	In Plant training1	rajyog toyota	16/12/2018	31/12/2018	1
Short Term	In Plant training1	Ratnaprabha motors	16/12/2018	31/12/2018	1

Short Term	In Plant training1	S. T workshop aurangabad	16/12/2018	31/12/2018	1
Short Term	In Plant training1	S.G.M Polytech	16/12/2018	31/12/2018	1
Short Term	In Plant training1	SAGAJKAR HONDA SHOWROOM	16/12/2018	31/12/2018	1
Short Term	In Plant training1	Sai raj Autocar Aurangabad.	16/12/2018	31/12/2018	1
Short Term	In Plant training1	sheetkamal industry	16/12/2018	31/12/2018	1
Short Term	In Plant training1	SK Industries	16/12/2018	31/12/2018	1
Short Term	In Plant training1	Spinform Plastics Pvt. Ltd	16/12/2018	31/12/2018	1
Short Term	In Plant training1	Techno Track	16/12/2018	31/12/2018	1
Short Term	In Plant training1	tiny industry	16/12/2018	31/12/2018	1
Short Term	In Plant training1	TPS parli	16/12/2018	31/12/2018	1
Short Term	In Plant training1	United engineers	16/12/2018	31/12/2018	1
Short Term	Internship	Ar.Pravin Lomate,03,Moon housing society,opp.Nashik fire brigade,old Gurudwara road,Shingada talaw,Nashik	01/07/2018	31/10/2018	1
Short Term	Internship	Ar.Rohan Deore,107/18, Flat No. 1, Vandangad, prabhat Road, Income tax lane, pune 411004, Tel : 02025437808	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Aparna Gujarathi,2nd floor, Matrupidru chaya, Abhinav College	01/07/2018	31/10/2018	1

		Chowk, Shukrawar Peth, Pune			
Short Term	Internship	Ar.Anirudh K. Datta,101, Plot No 66, Snehshilp, Pratik Society, Navrangpura, Ahmedabad, Gujarat 380009	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Anand Ma ntri,office no. 7,8,9 2nd floor, shantai vihar, near shantai hotel, Rasta peth, Pune	01/07/2018	31/10/2018	1
Short Term	Internship	Ar.Manmeet Singh Arora,Singh Villa,, 71, Jalna Road, Sindhi Colony, Aurangabad, Maharashtra 431005	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Sudhir G odbole,2,sar thak, bharti niwas society, lane no 14,prabhat road, erandwane Pune.	01/07/2018	31/10/2018	1
Short Term	Internship	Ar.Christoph er Charles B enninger,53, India House,Sopan Bagh,Balewad i,Pune, Maharashtra 411045	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Shally Garg,SCO 43 , First floor ,	01/07/2018	31/10/2018	1

		Swastik Vihar , Mansa Devi Complex , Panchkula (Haryana)			
Short Term	Internship	Ar.Vinay Dudhaiya,13,Paradise Apartm ent,Dr.V.S.Road,Ambawadi ,Ahmedabad380015	01/07/2018	31/10/2018	1
Short Term	Internship	Ar.Rajendrasingh Pardeshi,99/1, L Colony, Near Azad Post Office, Near Sahajanand College, Ahmedabad - 380058 Gujarat - India.	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Jagat Anandjiwala,B1108, Titanium heights , opp vodafone house, Prahalad nagar, Ahmedabad, 380015	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Rakesh Nagpal,12, Vijay Sahniwas, Behind Getwell Hospital, Dhantoli, Nagpur 440012	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Purva shinde,Flat no. 1 alisha homes vidnyan nagar road bavdhan pune411021	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Prashant Nathe,plot n	01/07/2018	31/10/2018	1

		o.39,karmayo gi nagar,raj mata jijau m arg,nashik42 2008			
Short Term	Internship	Ar.Kamlesh J ajoo,307,yas hodhan apart ment,next to kotbagi hosp ital,aundh ,pune.	01/07/2018	31/10/2018	1
Short Term	Internship	Ar.Sunil Des hpande,sunde rjeet apt. ,Oppo.S.B.I . Dashmeshna gar, aurangabad	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Rolin Me ndonca,107, 2nd floor, Ashoka Shopping Centre, Fort, Mumbai	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Amit Avi nashe,203, 2nd floor, Matrukrupa Apts, C.T.S. No. 1101/2, Model Colony, Shivaji Nagar, Pune.	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. MAHAJAN Ar. NADKARNI,209 akhaydeep plaza, town centre CIDCO aurangabad.	01/07/2018	31/10/2018	1
Short Term	Internship	Ar. Sunil Patil, Bungalow no 4,Liberty Society, 323 North Main R oad,Koregaon Park	01/07/2018	31/10/2018	1
Short Term	In Plant Training	Garware Polyster Ltd	01/06/2019	30/06/2019	2
Short Term	In Plant Training	BG Li in Electricals	01/06/2019	30/06/2019	5

		Ltd.			
Short Term	In Plant Training	Bharat Sanchar Nigam Ltd.	01/06/2019	30/06/2019	1
View File					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Syncroserve Global Pvt. Ltd. Hyderabad	31/08/2018	On job training	22
Redhat	17/05/2019	MIT Red Hat Academy act as Center of Excellence.OS3 selct candidates having skills upgrade them to various cutting edge technologies once candidates complete their advanced learning program OS3 will acquire these candidates to vashi office or any oth	60
Electronics Sector Skill Council of India	11/03/2019	Through this MOU Students will be given an opportunity to enter into the entrepreneurship in Electronics System Design and Manufacturing(ESDM)	90
View File			

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
400	385.96

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing

								(MGBPS)	
Existing	823	26	400	2	1	4	8	1000	8
Added	12	0	0	0	0	1	0	0	1
Total	835	26	400	2	1	5	8	1000	9

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

1000 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
ICT practices for teaching	https://engg.mit.asia/files/engg/downloads/NAAC_AOAR_2018-19_econtent.pdf

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 incurred on maintenance of physical facilities
155	140.04	55	105.74

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, provide link)

The total infrastructure required for the Library, Sports, gymkhana, hostel, research facility and other support systems is well planned and implemented at Central level. Whereas, the infrastructure required at various department including the laboratories, offices, classrooms, administrative support are developed at the Institute level. The following are few policies and procedures followed at the Institute: Laboratory maintenance: The laboratory cleanliness is done by the concerned supporting staff of departments. Regular maintenance is maintained by lab technicians and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: 1. The calibration, repairing and maintenance of sophisticated lab equipments are done by the technicians of related agency / owner enterprises. Maintenance of Computers (Hardware Software) and Networking: Computer maintenance involves keeping a computer in a good state of repair and physical health. It involves a set of maintenance tasks and procedures that help to keep the computer software and hardware updated and operational. In our institute whoever there is maintenance issue arises then following procedure is adopted: 1. Respective owner logs maintenance request to Head of Department/Section Incharge Library utilization and maintenance: The text books and reference book purchase is done as per the demand of students and recommendation of faculty. The list of books is taken from the concerned departments and HoDs are involved in the process. The finalized list of required books is duly approved and signed by the Principal. Sports: 1. Maintenance of indoor Badminton/ Volley Ball court / TT Courts /Gymnasium in the campus through the dedicated physical director. 2. The sports department is very active and encourages students to participate in various sports activities, along with training and coordinating various sports in the college. Academic infrastructure facilities: The administrative officer is monitoring the maintenance of academic infrastructure facilities like classrooms, drinking water, gardening, etc. 1. Institute has a dedicated team of to maintain and upkeep of infrastructure. At the departmental level, HODs

submit their requirements to the Principal regarding classroom furniture and other. Institute development fund is utilized for maintenance and minor repair of furniture and other electrical equipment. 2. Cleanliness of physical infrastructure and maintaining the green landscape is taken care by dedicated agency under the supervision of administrative officer. Maintenance of Transformer/ Generator/ Distribution Box: 1. We put the office note with justification to competent authority i.e through HOD, Principal and Director General. After approval the office note, we put the requirement to the store by filling the form no.16. After procurement of the spares from store, we carry out the maintenance through our maintenance staff and we avoid the breakdown of the equipment. Others: 1. Security agency for the round the clock security of the infrastructure. 2. Day to day maintenance ensured by the supporting nonteaching staff. 3. Fire extinguishers have been installed at identified locations 4. CCTV installation at prominent places 5. Campuswide Networking WiFi Details are provided on weblink provided below.

https://engg.mit.asia/files/engg/downloads/NAAC_AQAR_2018-19_ipp.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	Earn and Learn Scheme	2	25000
Financial Support from Other Sources			
a) National	Govt. of India Scholarship	1051	68766649
b) International	Nil	0	0

[View File](#)

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 implementation	Number of students enrolled	Agencies involved
Ready Engineer	02/07/2018	130	Tata Technologies Ltd, Pune
Teacher Guardian scheme	01/08/2018	289	TGS
Soft Skills	11/08/2018	210	Department

[View File](#)

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 passed in the comp. exam	Number of students placed
2019	STUDIES ABROAD	9	20	9	28

[View File](#)

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
3	3	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
TCS Pune	63	3	ValuD	214	12

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	13	B.ARCH	ARCHITECTURE	KRIVIA, BNCA, MIT, JNEC	M.ARCH
2018	1	BE	CSE	Xaviers, Mumbai	MBA
2018	1	BE	CSE	NMIMS, Mumbai	MBA
2018	1	BE	CSE	JNEC, Aurangabad	M.Tech.
2018	1	BE(EEE)	Electrical Engg	Wellingkar Institute of management	MBA
2018	1	BE	Mechanical	Walchand College of Engineering, Sangali	M.Tech (Manufacturing)
2018	1	BE	Mechanical	VIT Bibwewadi, Pune	ME(IE)
2018	1	BE	Mechanical	VJTI, Mumbai	MTech(Automobile)
2018	1	BE	Mechanical	National Institute of Design	MTech(Machine Design)
2018	1	BE	Mechanical	MGM Aurangabad	MBA
2018	1	BE	Mechanical	Msme - Tool Room	PGDTD & CC

				Aurangabd	
2018	1	BE	Mechanical	MIT Aurangabad	M.Tech (Heat Power)
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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	1
View File	

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

Activity	Level	Number of Participants
Architectural Event 'MOZAIC 2019'	Department	200
Annual Cultural Fest KALAVIHANGAN 2019	Institute	2000
View File		

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
2018	Gold Medal	National	1	0	24170	Dhairiyashi 1 Deshmukh
2018	Gold Medal	National	1	0	24170	Dhairiyashi 1 Deshmukh
2018	Third Prize	National	1	0	24505	Sakshi Ruikar
View File						

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

Student Council : The role of student council is to provide opportunities to the students for extracurricular activities. The objective for organizing different events is to hone the presentation, intra personnel and personal skills of the students. Various extracurricular activities are conducted under Student council like celebration of Shiv Jayanti, Dr. Babasaheb Ambedkar Jayanti, Mahatma Gandhi Jayanti, Mahatma Phule Jayanti etc. Yoga divas is also celebrated in our campus to make students aware about the benefits of doing yoga regularly. In the year 201819, student council elections were held in the campus and consequently the student council body was formed. Apart from above, cultural activities are also held in the campus. Every year in semester II, two/ three days Cultural event called "Kalavihangam" is organized in which, day as well as night events are held. Students from all departments take active role in organizing and participating in the events. During day events like Treasure hunt, gully cricket, rangoli competition, poster competition, etc. are arranged while during evening cultural events like dance, drama, singing, mimicry etc. are arranged. Sports activites like cricket, carom, badminton, volleyball etc. are also arranged in the institute. Every year Ministry of

Parliamentary affairs, New Delhi organizes "National Youth Parliament Competitions" (NYPC) for Universities and colleges. During last 3 years our institute has participated in it. Around 55 students have participated in this national event. The objective of this event is to develop leadership qualities among new generation and to develop a sense responsibility towards our society.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

500

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

15000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meeting organized on 26th January 2019

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)

A. Decentralization in Working: The institute has delegated the powers to following listed designee for taking decisions in different academic and administrative tasks. The institute functions with decentralized administration with transparency. It helps in quick decision making at different levels to smoothen the functioning of the institute. Decentralization in working involves (1) Dean (Admissions), (2) Dean (R and D), (3) Vice Principal (Administration) (4) Vice Principal (Academics), (5) Head of Departments, (6) Workshop Superintendent, (7) Training and Placement Officer, (8) Librarian . The various tasks of academic and administrative activities, both at central and departmental level, are well identified and the allotment of central portfolios among the faculties is carried out at the beginning of academic year, if required. B. Participative Management: Institute promotes culture of participative management. This is achieved by encouraging faculty, staff and students to contribute through participation. At Strategic Level Governing Body, Principal, IQAC, Vice Principals plays important role. At functional/operational Level All head of departments, faculties, student association, along with various committees such as academic monitoring committee, academic and administrative audit committee, library committee, research committee, anti ragging committee, Hostel monitoring committee, cultural committee, EDP committee, internal complaint committee, Alumni affairs, time table committee, TGS, competitive examination, NSS/NCC, transportation etc. function as per the objectives of the committee. For a case study, the participative management works as following in the institute: (A) Budget: The yearly budget is prepared according to the needs requirements of the departments taking into consideration of annual intake of students, laboratory infrastructure developments, requirements of students and staff activities, promotions and need of recent technologies etc. All departments and sections submit the annual budget to the Principal. On receipt of such proposals, Principal, in consultation with HODs and Section Incharges prepares a consolidated proposal. After deliberations formal budget made is revised in departments and forwarded to Principal for preparing final budget at institute

level. Principal office submits and presents the proposal to the Governing Body for necessary approval. The departments and sections are communicated and directed for the utilization of approved budget. Institute provides the better opportunity to all the participating in the decision making process. (B) During the University affiliation process, Management asks the proposal of starting / closing of the programs in the Institute from Principal. All departmental heads are requested to send their proposals for commencement of new courses or closure /reduction of program/intake. At department level, the meeting with faculties and subsequent discussion result to prepare the initial draft of the proposal. This is further discussed at the meeting with head of departments, Vice Principal and other section Incharges. In Principal meetings, Principal in consultation with all department heads and VicePrincipals (Academic and Administration), the final decision is arrived at. Based on that, the proposal is submitted to the management through Principal Office. All teaching and nonteaching faculty involves in the process of preparation for visit of University affiliation 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
Research and Development	There is a dedicated RD Cell headed by Dean (RD) for facilitating and monitoring research. Various activities are planned and executed through this cell and approval from the management. It includes - (1) Allocation of budget for R D activity. (2) Faculty encouragement for getting financial assistance for research project from different funding agency. (3) Financial assistance for student's innovative projects. (4) Setting of university recognized research centres for Ph.D. research. (5) To encourage students and faculty for collaborative research, partnership with industries. (6) Structured efforts for greater connect with industry.
Library, ICT and Physical Infrastructure / Instrumentation	The total infrastructure required for the Library, Sports, gymkhana, hostel, research facility and other support systems is well planned and implemented at Central level. Whereas, the infrastructure required at various department including the laboratories, offices, classrooms, administrative support are developed at the Institute level. The following are few important developed facilities: (a) Good hostel facilities (separate for Boys and Girls). (b) Rooftop solar panels are mounted at Campus. It ensures 100, backup power supply. (c) Various

centres of excellences are setup at campus. (d) Audio and Video conferencing facility for webinars, MOOCS, STTPs, etc. (e) Language laboratory (f) Library is kept open beyond regular college timings and 24 x 7 during exam period. (g) The Laboratories are also opened beyond regular college timings as and when the demand arises from students/staffs.

Human Resource Management

At the beginning of every academic year, each department plan the faculty requirement based on the teaching load and some specific requirement in terms of specialization. This requirement is then compiled by HR section. The complete staff requirement is approved by Director General, MIT Aurangabad. Following are some concerns about Human Resource management: (a) Loan facility (b) Accidental Insurance of Rs. 5 Lakh (c) Deputation of staff for FDP / workshops / training / conferences / symposia / STTP (d) Transparent staff recruitment policy as per UGC/AICTE norms (e) Systematic performance appraisal process (f) Support for further research in the form of seed money, sponsorship for attending conferences etc. (g) Partial amount of consultancy fee to concerned Faculty (h) Concession in tuition fees to the wards of employees (i) Maternity leave and medical leave, etc.

Industry Interaction / Collaboration

MIT has strong association and active participation in various professional bodies' activities. MIT is member of Chamber of Marathwada Industries and Agriculture (CMIA), Marathwada Auto Cluster (MAC) and Devgiri Electronic Auto Cluster (DEC). By virtue of this association MIT is privileged to explore greater connect through its faculty and students. MIT is looking forward to undertake various activities in collaboration with industries. This will provide appropriate learning platform to our budding engineers. Following are some of these activities: (a) UG and PG academic projects to address present problems of local industries, (b) Research projects based on future requirements of industry, (c) Collaborative research with industry for development of indigenous technology, (d) Improved association and greater connect between students

	and industry experts for mutual benefits.
Admission of Students	<p>The institute is having Admission Office and is headed by Dean Admissions. This office looks after the admissions of national and international students.</p> <p>Students are admitted through Centralised Admission Process as per the rules of Director of Technical Education (DTE), Maharashtra and reservations/quota is followed as per reservations category. Admissions are provided to the students on the basis of JEE /CET exam score. Admissions are done based on merit transparent process. The advertisements are given in newspapers. Various rounds are conducted. The details are regularly uploaded on website. The institute has a norm to admit the student at institute level as per the policy decided by DTE.</p>
Curriculum Development	<p>Every department has minimum one member of Board of Studies and have good linkages with eminent academicians from IITs/NITs and other reputed institutes and industry persons. Every department has Departmental Advisory Board (DAB) comprising of Industry Persons. For curriculum development, the inputs are taken from all the subject teachers. The suggestions from students are also obtained. The comparison of existing curriculum is done with the curriculum at reputed institutes/universities and based upon the scope for improvement and curriculum gap analysis inputs are forwarded to University authorities and taught as content beyond syllabus, wherever it is necessary.</p>
Teaching and Learning	<p>Institute is adopting outcome based education system which is student centric. The institute recruits qualified and experienced faculty as per norms of regularity bodies.</p> <p>Moreover, resource persons with industrial background are also contributing in the teaching learning process in the role of adjunct faculty members. For enhancing quality of teaching learning process other initiatives taken in the institute as follows: (1) Provision of classrooms with ICT facility, (2) Providing elearning resources in Central Library, (3) Structured course files and lab manuals for all courses, (4) Student</p>

feedback on teachers and necessary corrective actions, (5) Conducting relevant FDPs for faculty, (6) Providing elearning initiatives such as Virtual Labs, NPTEL video lectures, etc., (7) availability of ejournals such as IEEE, ASCE, Springer ,etc.

Examination and Evaluation

The institution has continuous assessment examination (CAE) /evaluation system in place, as per the guidelines of affiliating University. Minimum two class tests and one midsemester examination is conducted which carries 40 weightage in grading/total evaluation. CAE answer sheets are shown to students and grievances if any are sorted out immediately. A committee is constituted which includes subject teacher, subject experts and head of department. This committee looks after the grievances of the students regarding evaluation. Termwork evaluation includes four to five parameters based assessment by the subject teachers. End semester examinations (ESE) are conducted as per the University schedule / calendar during the semester. As per the Dr. B. A. T. University, Lonere, Remedial examination is conducted within one month after the declaration of ESE result. Question paper audit is done.

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

E-governance area	Details
<p>Examination</p>	<p>MIS supported examination module manages examrelated tasks at various levels. The configuration of examination module covers various exam related duties, moderation schemes, result format, exam cycles etc. All exam processes such as exam centres, assessment centres, question paper setting, question paper disbursement, exam scheduling, invigilation, result compilation, reevaluation, mark sheets generation etc. are duly provisioned for. Online test module maintains question banks, can set objective/subjective question papers with random or fixed questions. It provides the flexibility of defining sections, categories, sectional cutoffs, marking patterns, negative marking, per question or overall timing marks etc.</p>

<p>Planning and Development</p>	<p>Institute has deployed the Management Information System (MIS) which is also known as ERP solution. It provides the access to all the internal stakeholders and administrators like Principal, VicePrincipals, Administrative officers, faculty and students. It uses the ICT in the process of planning collegeevents and activities. It aims to minimize the manual efforts and improve the communication, create transparent system, and to be cost and time effective. Institute also uses personal emails (Institute domain based) for the articulation of planning and development activities. Important notices and reports are also circulated via emails. It also has integrated approach to manage all modules related to student, faculty, examination, finance, infrastructure, library and many other academic and administrative modules.</p>
<p>Administration</p>	<p>MIS platform provides support at administration level through access to data like: (i) Organization structure of the Institute, (ii) Portfolios of staff and other assignments, (iii) Strength of staff and students - department wise and further bifurcations like category wise, cadre wise, class wise, section wise, gender wise, etc. In addition to this, Institute motivates to achieve the target of paperless administration. It encourages the faculty and other officers to use - (a) Google sheet For data collection from students and faculty, (b) Google Forms To prepare student feedback forms, (c) Google Drives To share the high volume data among themselves. Also, Institute (a) has Biometric attendance for teaching and nonteaching staff, (b) has installed CCTV Cameras at various prominent places of need, (c) uses application software for surveillance on desktop computers , (d) uses broadcasting groups (using WhatsApp) to provide the brief notices and information to students.</p>
<p>Finance and Accounts</p>	<p>MIS platform provides support to administrative officers handling the finance and account. Finance module offers Accounts Payable, Accounts Receivable and Expense Management in an integrated manner across the</p>

organization and sets up approval chains vertically and horizontally as per the specific business requirement. All calculations of expenses and income from each module like exam, placement, any event, admissions, purchase etc. is integrated with the finance module and offers a complete and comprehensive solution to financial transactions of any form like (a) Fees Structure, collection and reconciliation, (b) Salary structure and payment, (c) Vendor related accounting, (d) Budget and (e) General Accounts.

Student Admission and Support

MIS platform provides support to the administrative officers handling the admission and accountable for providing the support in terms of library, hostel, etc. (i) Admissions module effectively manages admission through merit, entrance exam or a government regulated agency. It automates courses, intake for each course, no. of shifts, seat division, eligibility, merit and merit per se, fee structures, revisions, concessions and sponsorship on fee for different category of students, admission cancellation policies, late fee policy and integration with finance module. (ii) Library module takes care of books/journals/CDs/DVDs/magazines management, membership management, catalogue management, Online Public Access Control (OPAC), Book Bank Management, transactions, digitization, auditing, reporting and other library functions. (iii) Hostel module takes care of hostel functioning, dormitory allotment, permanent/temporary allotment, nightout applications, grievance management, mess/canteen management, billing, accounting, reporting, etc. (iv) Transport module includes vehicle driver allocation, route management, document renewal, trip management, maintenance spare parts management, tracking, logistics, reporting and other related functions.

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	Dr. Hanumant M. Dharmadhikari	FDP on Management Capacity Building	Nil	8000
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College 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)
2019	Two days National workshop on Inclusive Technical Education		11/01/2019	12/01/2019	40	0
2018	FDP on Engineering Exploration		03/08/2018	07/08/2018	10	0
2019	A state level 1 day workshop on New Education Policy		23/06/2019	23/06/2019	50	0
View File						

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
Designing Learner Centric MOOCs	1	17/02/2019	16/03/2019	28
Training the Trainers for the course engineering Exploration	1	03/08/2018	07/08/2018	7
One week FDP on Outcome Based Education and NBA Process	1	09/07/2018	14/07/2018	7
NPTEL online	2	19/08/2018	12/10/2018	56

course on Developing Soft Skills Personality				
NPTEL online course on Introduction of Internet of Things	2	24/06/2018	06/10/2018	112
Pedagogical and Assessment Technique for Product Design Engineering	2	25/02/2019	06/03/2019	14
NPTEL online course on Enhancing Soft Skills Personality	2	17/02/2019	13/04/2019	56
Scilab Workshop by IIT Bombay	1	04/05/2019	04/05/2019	1
One week STTP on Implementation of IoT using Raspberry Pi	9	31/12/2018	04/01/2019	5
Virtual Lab Development and Certification Program	1	06/02/2019	11/02/2019	6
Research Methodology and Data Analysis Techniques	1	29/03/2019	30/03/2019	02
One day Fronius Training Program conducted by Adiurja Pvt. Ltd	2	12/04/2019	12/04/2019	01
One day workshop on New Education Policy: Role of Dr. B. A.T. University	1	23/06/2019	23/06/2019	01
NPTEL Course on Recent Advances in Transmission Insulators	1	18/08/2019	14/09/2019	28
NPTEL Course on Outcome based Pedagogic	1	18/08/2019	14/09/2019	28

Principles for Effective Teaching				
Short Term Training Program (STTP) Use of ICT for Effective Teaching Learning	5	01/08/2019	01/12/2019	4
NPTEL AICTE Approved FDP on Introduction to Research	1	11/02/2019	26/04/2019	75
NPTEL AICTE Approved FDP on Introduction to Machine Learning	1	01/08/2018	01/10/2018	60
FDP on Emotional Intelligence at DIEMS, Aurangabad	1	27/07/2018	28/07/2018	2
NPTEL AICTE Approved FDP on Deep Learning	1	01/07/2018	01/10/2018	90
NPTEL AICTE Approved FDP on Cloud Computing	1	01/02/2019	01/04/2019	78
National Workshop on "Inclusive Technical Education in National Context: Challenges and Solutions - 2019"	1	09/07/2018	12/01/2019	2
FDP on Statistical Techniques in Data Analysis	1	07/07/2018	07/07/2018	1
FDP on Cyber Security	1	11/02/2019	17/02/2019	8
NPTEL AICTE Approved FDP on Digital Image Processing	1	01/07/2018	01/10/2018	90
STTP on Machine Learning: The Journey of	1	03/07/2018	07/07/2018	5

Transforming Technology				
FDP on Outcome Based Education NBA Process	1	09/07/2018	14/07/2018	6
FDP on NPTEL/AICTE Approved FDP	1	11/02/2019	26/04/2019	75
One Week STTP on Advances in Material and Manufacturing Technology (AMMT)" (STTP)	16	01/03/2019	06/03/2019	6
EMobility and innovation in sheet metal forming (STTP)	1	16/07/2018	20/07/2018	5
The future of making things (FDP)	2	20/09/2018	02/10/2018	14
Product Design Engineering - Mechanical (FDP)	2	20/09/2018	02/10/2018	14
Entrepreneurship Development Programme on Fifteen day eLearning EDP	5	31/01/2019	14/02/2019	15
STTP on NBA Accreditation	8	22/04/2019	26/04/2019	5
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	11	0	2

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Maternity leave to ladies staff. • Group gratuity scheme • EPF • Accidental Insurance • Institute provides loan facility from cooperative society 	<ul style="list-style-type: none"> • Maternity leave to ladies staff. • Group gratuity scheme • EPF • Accidental Insurance • Institute provides loan facility from cooperative society • Support to nonteaching staff by providing either partial concession in the tuition fees of their wards or 	<ul style="list-style-type: none"> • Book Bank Facility • Group Insurance • Earn and Learn Scheme • instalments for paying the tuition fees • Teacher Guardian Scheme

providing instalments

6.4 – Financial Management and Resource Mobilization

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

The internal as well as external audits are undertaken every year. The last audit was conducted during March 2019. Every year the audit is conducted at the end of the financial year. There is no adverse remark on the accounts of institute. If sometimes the objection raised was about inappropriate heads of account for some of the items, it is resolved by including the missing items to appropriate heads of accounts. The institution is having qualified practicing chartered accountant as internal and external auditors who audit the accounts annually. After the audit the report is sent to the management for review. The auditor are (i) Internal Auditor: Ms. Mamta Raut, Chartered Accountant and (ii) External Auditor: Mr. N.V. Sharma Chartered Accountant Sharma N.V. Company, Aurangabad. Institute is filing income tax return every year within the stipulated time.

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
Namrata Caterers	51000	International Conference ICSCAI 2018 conducted by CSE and MCA dept.
View File		

6.4.3 – Total corpus fund generated

100000

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	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Yes	IQAC Cell
Administrative	Yes	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	No	IQAC Cell

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

Not Applicable

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

Faculty development program for the course Product design Engineering Three days workshop on Research Methodology and data Analytics Faculty enhancement program to NBA awareness and preperation.

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

The first assessment and accreditation by NAAC in year 2017 helped the Institute to organize the activities for quality nourishment and to take up quality enhancement initiatives. After the first assessment and accreditation of the institute by NAAC, one of the major initiations was strengthening the student skill sets. It was expected to enrich students' capacity through building skill sets expected by industry. Based on that and as per the requirement from industry, Institute planned to introduce at the basic level of understanding of societal problems and building solutions over it. In that context, institute planned to conduct the add-on course called "Engineering Exploration" to enrich the important skills of students, beginning from first year level. Another remark by the peer team members is to strengthen the Research, Consultancy and Extension activities. Institute has improved the research initiatives in last two academic years. It had been streamlined through the Research and Development cell headed by a senior professor at this institute. It involved the conduction of meetings with the experts. It motivated the researches and increased research output. Two minor research projects are granted by the affiliating University. Few research proposals (for research grant) have been submitted to University and DST. As per remarks received from first assessment and accreditation by NAAC, Library infrastructure is improved further and additional resources are made available to students and faculty members. CCTV systems were installed in all class rooms. The installation of CCTV cameras has made the campus more secure. WiFi system is installed covering major parts of the campus. The procurement of licensed software and customized ERP solutions has further enhanced the teaching-learning atmosphere.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
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
2019	Workshop on research methodologies and data analytics	15/03/2019	29/03/2019	30/03/2019	50
2019	ICT mode STTP on NBA accreditation	15/03/2019	22/04/2019	26/04/2019	25
2018	Academic audit	10/07/2018	17/08/2018	20/08/2018	10
2019	Academic audit	23/01/2019	30/01/2019	31/01/2019	12

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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
Three days workshop on Tarunyabhan	16/08/2018	18/08/2018	125	200

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
<p>1. The institute follows the environmental norms as per the guidelines of NAAC, AICTE, UGC, DTE and Government of Maharashtra. Regular energy audit and green audit is carried. The measures like, energy conservation, renewable energy, plantation is done on campus. The institute has well developed and maintained green campus and self sufficient renewable energy source in the form of solar rooftop plant. 2. Rooftop solar panels are mounted at Campus. It ensures 100, backup power supply and the electricity generated above our demand is supplied to the local electricity distribution agency through netmetering. Institute also ensures power supply to the campus almost on a 24 hour 365 day basis. 3. Every year on 8th August Tree Plantation is organized. Verities of useful plants are planted in and around campus and also a care is taken up to sufficient growth of Plants. Also, on major events organized by various departments of the institute, tree plants are offered in place of flower a bouquet, which gives right message to the Guests as well as Audience. 4. Institute takes initiative to inculcate the environment, energy and economy (EEE) aspects in the projects of students so as to create awareness and enhance their learning of sustainable. More than 70 of academic projects have incorporated the concept of EEE in their academic project reports. 5. Environmental audit for AY 201819 has been conducted in December, 2018.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	0
Rest Rooms	Yes	2
Scribes for examination	Yes	3

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
2018	0	1	06/10/2018	1	Paper bags making and	Plastics free environment25	22

					awareness		
2019	1	0	14/02/2019	1	Runanubandh	Extra stretchers donated to Govt. Hospital	214
2018	1	1	17/07/2019	8	Application for Criminal Data Repository	Provision to maintain criminal records in Commissioner of Police office	6

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Service rules, procedures, recruitment and promotional policies	02/07/2018	Every entity at the Institute level follows the code of conduct as per the laid guidelines. Administrative officer observes the same through the interactions with faculty and students. Appropriate action is initiated based on the observations and fact findings and rational investigations through the institute level committee under the Chairmanship of Principal.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Expert talk on Professional ethics	23/10/2019	23/10/2019	81

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Gray water recycling.
2) Landscaping and Tree Plantation in the campus
3) Paper and sheets reusing back to back to save papers
4) Solar power panels are provided.
5) Replaced conventional bulbs with LED

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>Best Practice I Title of the practice: Student development through participation in cocurricular activities and value added courses. Objectives of the practice: ? The initiative aims to involve the engineering students in</p>

various cocurricular activities like industry specific training modules, technical competitions and activities and providing them with real word, handson exposure to technology. ? To improve the employability of engineers and reduce the time and resources spent by companies on retraining the graduate engineers. The Context: According to the United Nations Development Program's (UNDP) India Skills Report 2018, 1.5 million engineers graduate every year, but only 52 are employable. The report also highlights the fact that engineering courses which are linked with industry or corporate through internship or training usually score high on employability as compared to others. Also, student can learn the technology through the cocurricular activities which are closely related to technical specific domain. The Practice A: Ready Engineer Ready Engineer Program is Tata Technologies CSR initiatives to make engineering graduates industry ready. Students from 2nd and 3rd year mechanical engineering discipline are identified for the training under this program. The program imparts applicationbased training by industry experts in technical domain training, soft skill training, employability assessment and National Programme on Technology Enhanced Learning (NPTEL) courses to meet the future opportunities of Industry 4.0. NPTEL, KRACKIN and Aspiring Minds have been selected as the implementation partners for this program. NPTEL provides elearning through digital and video courses in engineering, the sciences, technology, management and humanities. It is a joint initiative by seven Indian Institutes of Technology (IITs) and the Indian Institute of Science (IISc) Bangalore. KRACKIN, a startup based out of the NASSCOM 10000 Startup warehouse in Bengaluru, is a platform to help improve the industryreadiness of engineering students with timely industry interventions through their web and mobile platforms. Aspiring Minds, a talent assessment organization, helps to enhance soft skill and personality development through credible assessments and training. The Practice B: SAEINDIA BAJA / SUPRA It is an intercollegiate design competition for undergraduate and graduate engineering students run by the Society of Automotive Engineers (SAE). A team of 25 students from different branches of engineering are participating for this event. Every year near about 350400 teams from different engineering colleges of India are participating in this event. A team of students have to create the virtual design of an allterrain car at college level and have present it in front of BAJA committee judges (from different automobile companies). After selection of design through the judging panel students have to fabricate the complete car in the college workshop. They have to test it as per different road conditions and does the iteration in the designs for sustain the car for rough conditions. After that different team from all over the India have to bring their vehicles at event place and also the different types of technical inspection , static and dynamic testing will get done. After passing the entire test at event place finally the teams will appear for final racing. Evidence of success: ? Through the Ready Engineer program, students are undergoing the basis training module. ? Students successfully designed, tested the an allterrain car and a robot at college level and participated at the competition at national level Problems encountered: ? Students get challenged to reduce the cost of manufacturing which subsequently lead to attain accuracy in operation due to low cost material. ? Students face difficulty to manage the timing apart from routine academic schedule ? Students are mostly facing the problem of team work, designing the vehicle and also the manufacturing it. ? They required the proper training for fabrication work, proper resources of availability of material/ components/ parts/ suppliers. Resources required: ? Around 1000 Sqft area is required with power backup, advanced tools and machines like 3D printing machine, Arena etc. ? A digital computer lab and class room equipped with high speed broadband internet connectivity and a projector and Mechanical design domain softwares for hands on practice. Best PracticeII Title of the practice: Innovative practices in teachinglearning student learning using Information and Communication Technology (ICT) Objectives of the practice: ? The use of ICT

aims to improve the teaching/learning methodology/ pedagogy ? To improve the understanding of students through simulation, animation and virtual laboratories. The Context: Information and Communication Technology (ICT) in education is the mode of education that uses information and communications technology to support, enhance, and optimise the delivery of information. Worldwide research has shown that ICT can lead to an improved student learning and better teaching methods. Various ICT Techniques have been implemented at the Institute levels in the teaching learning process. Their specific objectives and practices are mentioned below: The Practice A: Think Pair Share Through this activity the thinking capability and the visualization power of a student is tested by providing them a scenario or a problem where the students have to think individually on the solution and later pair with another student to discuss the further possibilities of the solution. Later on each pair share their answers and the discussion is carried in the entire class. Objective of Practice: 1. To build thinking capability of students. 2. To help students visualise, understand and find a solution to engineering problem. The Practice: To illustrate the ThinkPairShare technique implemented, a typical example is given below: ICT Tool - TPS - 20/03/2019 Course Coordinator Saurabh Kohli Subject - Power System1 Class: SY B. Tech (EE) A Think Pair Share activity was conducted in lab session on "Substation Study". The details of the activity are presented in the form of a ppt in the link below: <https://drive.google.com/file/d/1CZsFRKZJXS8nX0zrLn3XHe65xpCQa0eP/view?usp=sharing> The activity included showing a set of pictures of various equipment's of substation and pairing students to think on the same and finally sharing their opinions on the device or the components shown to the other students. Evidence of success: • Students were able to identify the components in the substation. • Students made efforts to identify the devices using the connection logics as visible from the pictures demonstrated. • Students were later explained the components in details and hence the student were able to understand the line diagram of substation in a sequential manner. Problems encountered and resources required: It was observed that a few weak students were reluctant to involve willingly in discussion, though students involved after encouragement. Another important requirement for this session is availability of internet for gathering information. The Practice B: Flipped Classroom A short video was shared with students before the scheduled class and a small discussion activity was conducted during the actual class. The students found it interesting to put forward their own interpretations regarding the concept being discussed. A quick LBD (Learning By Doing) activity was conducted after the class. Objectives of Practice: a. To improve grasping power of students. b. To provide a quick and elaborate revision of topic. The Practice: To illustrate the flipped classroom concept implemented, a typical example is given below: Course Coordinator: Prof. Gauri D. Karanjgaokar Lecture Date: 6/3/19 Students Strength: 42 , Lecture Topic: Construction Principle Van De Graaf Generator , Subject: High Voltage Engineering Class: B.E (EEE) Problems encountered and resources required: For the success of this activity availability of internet facility for the students at the location of their residence is required. Some students were unable to watch the video before class due to unavailability of internet. The Practice C: NPTEL COURSES NPTEL is an online platform developed by MHRD, Govt. of India, which offers online learning Courses for individuals from various fields. This Pedagogy for Online and Blended Teaching Learning Process benefits students and faculties. The online lectures and the discussion forum provides platform to discuss our ideas, doubt related with topic with all the members working with it. The application oriented quizzes and an assignment develops the logical thinking. Objectives of Practice: a. To enhance and update faculty knowledge. b. To improve student understanding of subject. The Practice: Faculties and students attend online NPTEL courses on various courses. These courses enhance subject knowledge and helps in improving teaching skills of faculty. Students are involved in the course and they are

mentored by faculties. This helps in colearning of students. Evidence of Success: Around 50 faculties from the Marathwada Institute of Technology have attended and successfully completed these FDPs during academic session of 201819. Some of the faculties have also been awarded the 'Elite' and 'Gold' certification for the same. Problems encountered and resources required: The NPTEL certification examination requires a registration fees to be paid. The students hesitate to pay this amount and sometimes do not appear for examinations. Further details are available on the below mentioned weblink.

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

https://engg.mit.asia/files/engg/downloads/NAAC_AOAR_2018-19_bestpractices.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

Gramaudyogik Shikshan Mandal (GSM), Aurangabad, Maharashtra, India is the parent Trust established in 1975 under Bombay public Trust Act and registered under Society Registration Act. The Trust established technical institute, "Marathwada Institute of Technology" in 1984 with an objective of imparting top of the line hardcore engineering education to the aspiring to the students of Marathwada region. Vision: To develop multidimensional personality with human values through engineering education Mission: MIT is committed - • To inculcate creativity and human values through engineering and architectural education. • To empower staff and students for self development. • To provide opportunities for continuous improvement to achieve excellence. The mission of the institute is to provide appropriate learning experience to the students to bring out their potential and capabilities. The objective is to produce leaders in all walks of life to serve the society and lead towards future with right kind of vision. The mission showcases the distinctive characteristic of the institute is to the produce leaders, winners and achievers. This is to be met through continues improvement and by empowerment of faculty and students. This is very specifically stated in the mission and provides great clarity and motivation to lead towards the vision of building character and multidimensional personality. MIT is serving the society since 1984 and produced many engineers who are serving the society not only in the field of technology but also leading in many other walks of life such as education, entrepreneur, defence, politics as well as arts. This is the outcome of overall developmental activities such as cocurricular activities such as participation and organization of technical workshops, conference, seminars and providing industrial exposure to the students during their studentship through visits to all kind of industries, and promoting students to work on industry based projects. They have also secured very high ranks in these competitions at national level. This helps the students in becoming multifaceted and multidimensional as stated in the mission of the institute. The institute focuses on quality improvement in teaching learning process. The focus, however, is learning outcomes. Hence, the institute is also practicing outcome based education (OBE). In addition, a strong connection with industries provide good opportunities to our students for better learning experience through industry based projects. This ensures the standards as per the global requirements. To ensure the global standards, the institute also promotes the activities of professional body such as American Society of Mechanical Engineers (ASME) through dedicated student chapter. The institute believes in value education and always tries to inculcate right values in the students. The NSS cell of the institute is very active and a good number of students participate in activities of social cause and contribute at their best from within. The institute also strives to inculcate sportsman sprit into the young brains by promoting inhouse as well as

inter collegiate sports activities. Hence, it is evident that the institute is attempting for overall development of students to transform them realize their goals and they become leaders of tomorrow.

Provide the weblink of the institution

<https://engg.mit.asia/>

8.Future Plans of Actions for Next Academic Year

1. To enhance the already undergoing "Engineering Exploration" initiative of the institute. 2. To enrich students' capacity through building skill sets expected by industry. 3. To start additional Master of Architecture program and B. Voc courses imparting the skill development domain knowledge 4. To enhance the faculty Industry interaction through industry training and involving the faculty in industry academia faculty/staff exchange programme. To arrange various capacity programs for them through, workshops so as to make them skilled, providing life skills training and emotional intelligence skill training to the teachers so that they will be able read the students for designing their pedagogy/ teaching methodology. 5. To strengthen the international collaboration through research and student development activities 6. To improve R D activities by setting a new research centre. 7. To organize an international conference through collaboration of two department. 8. To increase in plant training and industrial visits for students, starting from first year level. 9. To improve academic excellence by adopting effective teaching practices, involving the teaching Innovations, Practical Demonstration by videos, Improving students contact hours, etc. 10. To organize the National / International level conference/ STTP to be organized by the department for students and faculty.