"Techno-Social Excellence"
Marathwada Mitra Mandal's
INSTITUTE OF TECHNOLOGY (MMIT)
Lohgaon, Pune-411047.

Academic & Administrative Audit (AAA)

INDEX

Audit Title	Audit Details
Academic Audit & Administrative Audit 2016-17	Audit information for last four years from (A. Y. 2012-13 to A.Y. 2015-16)
Academic Audit & Administrative Audit 2017-18	Audit information for last Academic Year (A. Y. 2016-17)

Sr. No.	Department	Audit Details
1.	Mechanical Engineering Department	Academic Audit & Administrative Audit 2016-17
2.	Mechanical Engineering Department	Academic Audit & Administrative Audit 2017-18
3.	Computer Engineering Department	Academic Audit & Administrative Audit 2016-17
4.	Computer Engineering Department	Academic Audit & Administrative Audit 2017-18
5.	Electronics & Tele Communication Engineering Department	Academic Audit & Administrative Audit 2016-17
6.	Electronics & Tele Communication Engineering Department	Academic Audit & Administrative Audit 2017-18
7.	Applied Science Department	Academic Audit & Administrative Audit 2016-17
8.	Applied Science Department	Academic Audit & Administrative Audit 2017-18

Marathwada Mitra Mandal's Institute of Technology

Survey No. 35, Plot No. 5/6, Vadgaon Shinde Road,
Lohgaon, Pune-411047

MMIT/DEPT/2016-17 /31 Date: 16/06/2016

ACADEMIC AUDIT & ADMINISTRATIVE AUDIT REPORT
ACADEMIC YEAR: 2016-2017

(Provide information for last four years from 2012-13 to 2015-16)

A. ACADEMIC AUDIT

1. Name of the Department: Mechanical Engineering
2. Year of establishment: 2008
3. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Academic Year	Class	Examination System
2015-16	SE	Semester Pattern with Online examination & Credit System
	TE	Semester Pattern with In-Sem Examination
	BE	Semester Pattern with In-Sem Examination
2014-15	SE	Semester Pattern with Online examination
	TE	Semester Pattern with In-Sem Examination
	BE	Semester Pattern
2013-14	SE	Semester Pattern with Online examination
	TE	Semester Pattern
	BE	Semester Pattern
2012-13	SE	Semester Pattern
	TE	Semester Pattern
	BE	Semester Pattern

4. Participation of the department in the curriculum development for courses offered by the University:

A. Y.	Name of the teachers	Workshop/Seminars Attended	Date and Duration
2015-16	Mr. D. M. Bhoge	One Day FDP on "Syllabus Implementation workshop for FEA" BE-2012 course	29/12/2015
	Mr. A.G. Whatte	A workshop on "Syllabus Implementation of Robotics of BE Mech 2012 pattern"	21/12/2015
	Mr. D.P. Yesane	A workshop on "Syllabus Implementation of Mechanical System Design	21/12/2015

	Mr. S.S More	A workshop on "Syllabus Implementation of Robotics of BE Mech 2012 pattern"	21/12/2015
	Mr. G. G. Jagadale	A workshop on "Syllabus Implementation of Robotics of BE Mech 2012 pattern"	21/12/2015
	Mr. R.S. Patil	Two days workshop on Outcomes Based Education	02/08/2015 -03/08/2015
	Mr. N. B. Dhamane	Syllabus Implementation Workshop on BE Mech Examiner Guidelines	01/08/2015
	Mr. G. G. Jagadale	Syllabus Implementation Workshop on Value Education	06/05/2016
2014-15	Mr. G.L. Allampallewar	One day workshop on "Syllabus Formulation workshop of Reliability Engg."	08/04/2015
	Mr. N.B. Dhamane	One day workshop on "Syllabus Revision of subject design of Pumps, Blowers and Compressors"	28/03/2015
	Mr. G. G. Jagadale	One day workshop on "Syllabus formulation and Implementation for the subject Industrial Engg. / OR"	24/03/2015
	Mrs. M.Y. Mokashi	One day workshop on "Syllabus Revision of BE Mech for 2012 pattern" at DYPIET, Pimpri	24/03/2015
	Mr. M. P. Pandagale	Syllabus formulation workshop of CAD/CAM & Automation	20/03/2015
	Mr. D. M. Bhoge	Workshop on " Syllabus Implementation of Theory of Machines II-2012 pattern"	17/07/2014
	Mr. D.P. Yesane	Workshop on " Syllabus Implementation of Theory of Machines I-2012 pattern"	07/07/2014 - 08/07/2014
2013-14	Mr. D. M. Bhoge	Workshop on "Implementation of Revised Syllabus of SE Mech-2012" at Cummins COEW	04/01/2014
	Mr. M.P.Pandagale	A Workshop on "Revised Syllabus Implementation of Computer Aided Machine Drawing", S.E.Mech at MIT	25/06/2013
	Mr. G.L Allampallewar	A Workshop on "Revised Syllabus Implementation of Computer Aided Machine Drawing", S.E.Mech at MIT	25/06/2013
	Mr. D.P. Yesane	Syllabus Revision of Design of Machine Elements-I and Design of Machine Elements-II	19/03/2014
	Mr. D. M. Atar	Implementation of Revised Syllabus of Engineering Metallurgy 2012 pat	12/12/2013
	Mr. D. M. Atar	Implementation of Revised Syllabus of material science 2012 pat	03/07/2013
	Mr. E. D. Kurhe	Syllabus Revision of Heat Transfer 2012 Patt.	04/04/2014

5. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 4 years).

Year	Name	Designation	Qualification	Industry/Research Experience	Nature of Appointment
2015-16	Mr. Srirang Bendale (Professor, MIT COE , Pune)	Professor	PhD	25	Guest Lecture
	Dr. Avinash Desai (Principal, Ramchandra COE Pune)	Principal	PhD	20	Guest Lecture
	MR. Vijay Doiphode, M.Tech IIT BOMBAY)	Asst. Professor	M. Tech	15	Guest Lecture
	Mr. Vivek Shinde (Asso. Mr. Trinity COE Pune)	Associate Professor	PhD	15	Guest Lecture
2013-14	Mr. K H Munde (AP DYP SOE Pune)	Asst. Professor	M.E	18	Guest Lecture
2012-13	Mr. P V Deshmukh (AISSMS COE PUNE)	Asst. Professor	M. E	12	Guest Lecture

6. Percentage of classes taken by temporary/visiting faculty (programme-wise information): **10%**

Academic Year	Guest Lecture	Expert Person	Date	Number of Participants
2015-16	Basics of Strength of Materials	Mr. Srirang Bendale (Professor, MIT COE , Pune)	18/03/2016	110
2015-16	Refrigeration and Air Conditioning	Dr. Avinash Desai (Principal, Ramchandra COE Pune)	05/09/2015	67
2015-16	Opportunities Through Gate	Mr. Vijay Doiphode, M.Tech IIT BOMBAY)	17/03/2016	31
2015-16	Steam Nozzle and Steam Turbine	Mr. Vivek Shinde (Asso. Mr. Trinity COE Pune)	09/02/2016	123
2013-14	Theory of Machines	Mr. K H Munde (AP DYP SOE Pune)	22/03/2014	96
2012-13	Open GL Programming	Mr. P V Deshmukh (AISSMS COE PUNE)	25/07/2012	45

7. Information about research grants, projects completed and ongoing from National funding agencies (like BCUD, UGC, DST) *(Last 4 Years)*:

Academic Year	Name of the Principle Investigator	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
2012-13	Mr. Vijay Bhatkar	Air Conditioning Test Rig	BCUD	1.75 Lakhs	------

8. Publications *(Last 4 Years)*:

Sr. No.	Academic Year	Papers published in peer reviewed journals	SCOPUS, Web of Science Indexing Papers	Citations	*h*-index	Impact factor range/Average Impact factor
1	2015-16	20	2	6.3	1.3	2.7
2	2014-15	23	9			2
3	2013-14	15	3			2.74
4	2012-13	7	1			4.28

9. Details of patents filed & granted and revenue income generated: **Nil**

10. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated
1	2015-2016	Mr. E D Kurhe	Repairing of College Gym Equipments	Rs. 8,200.00
2	2014-2015	Mr. E D Kurhe	Chourang Manufacturing	Rs. 15,550.00

11. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Academic Year	Courses	Expert Person
2015-16	Basics of Strength of Materials	Mr. Srirang Bendale (Professor, MIT COE , Pune)
	Refrigeration and Air Conditioning	Dr. Avinash Desai (Principal, Ramchandra COE Pune)
	Opportunities Through Gate	MR. Vijay Doiphode, M.Tech IIT BOMBAY)
	Steam Nozzle and Steam Turbine	Mr. Vivek Shinde (Asso. Mr. Trinity COE Pune)
	One day Workshop on FEM and CFD	Dr.Rajesh Kumar Shrivastava (Cummins Research and Technology India Ltd. Pune)
	One Day Workshop on Water Rocket	Mr. D D Patil (MMIT Pune)
2014-15	Two days State Level Workshop on Product Design and Development	Mr. Jitendra Jagtap (Optimizt Engineering Services, Pune)
	5 Days Workshop on Automobile and Vehicle Dynamics	Mr. Khushal Singh and Mr. Rahul Ranjan
2013-14	Theory of Machines	Mr. K H Munde (AP DYP SOE Pune)
2012-13	Open GL Programming	Mr. P V Deshmukh (AISSMS COE PUNE)

12. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session) *(Last 4 Years)*:

Sr. No.	Academic Year	No. of Participant Attended Workshop	Paper Presented	
			National	International
1	2015-16	21	5	4
2	2014-15	12	9	7
3	2013-14	23	7	1
4	2012-13	2	2	2

13. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

A. Y.	Name of the teachers	Workshop/Seminars Attended	Date and Duration
2015-16	Mr. D. M .Bhoge	One Day FDP on "Syllabus Implementation workshop for FEA" BE-2012 course	29/12/2015
	Mr. A. G. Whatte	A workshop on "Syllabus Implementation of Robotics of BE Mech 2012 pattern"	21/12/2015
	Mr. D.P. Yesane	A workshop on "Syllabus Implementation of Mechanical System Design	21/12/2015
	Mr. S.S More	A workshop on "Syllabus Implementation of Robotics of BE Mech 2012 pattern"	21/12/2015
	Mr. G. G .Jagadale	A workshop on "Syllabus Implementation of Robotics of BE Mech 2012 pattern"	21/12/2015
	Mr. R.S. Patil	Two days workshop on Outcomes Based Education	02-03/08/2015
	Mr. N. B .Dhamane	Syllabus Implementation Workshop on BE Mech Examiner Guidelines	01/08/2015
	Mr. G. G. Jagadale	Syllabus Implementation Workshop on Value Education	06/05/2016
2014-15	Mr. G.L. Allampallewar	One day workshop on "Syllabus Formulation workshop of Reliablity Engg"	08/04/2015
	Mr. N.B. Dhamane	One day workshop on "Syllabus Revision of subject design of Pumps, Blowers and Compressors"	28/03/2015
	Mr.G.G.Jagadale	One day workshop on "Syllabus formulation and Implementation for the subject Industrial Engg./ OR"	24/03/2015
	Mrs. M.Y. Mokashi	One day workshop on "Syllabus Revision of BE Mech for 2012 pattern" at DYPIET, Pimpri	24/03/2015

	Mr. M.P.Pandagale	Syllabus formulation workshop of CAD/CAM & Automation	20/03/2015
	Mr. D.M.Bhoge	Workshop on " Syllabus Implementation of Theory of Machines II-2012 pattern"	17/07/2014
	Mr. D.P. Yesane	Workshop on " Syllabus Implementation of Theory of Machines I-2012 pattern"	07-08/07/2014
2013-14	Mr. D.M.Bhoge	Workshop on "Implementation of Revised Syllabus of SE Mech-2012" at Cummins COEW	04/01/2014
	Mr. M.P.Pandagale	A Workshop on "Revised Syllabus Implementation of Computer Aided Machine Drawing, S.E.Mech" at MIT	25/06/2013
	Mr. G.L Allampallewar	A Workshop on "Revised Syllabus Implementation of Computer Aided Machine Drawing, S.E.Mech" at MIT	25/06/2013
	Mr. D.P. Yesane	Syllabus Revision of Design of Machine Elements-I and Design of Machine Elements-II	19/03/2014
	Mr. D. M. Atar	Implementation of Revised Syllabus of Engineering Metallurgy 2012 pat	12/12/2013
	Mr. D. M. Atar	Implementation of Revised Syllabus of material science 2012 pat	03/07/2013
	Mr. E. D. Kurhe	Syllabus Revision of Heat Transfer 2012 Pat.	04/04/2014
2012-13	Dr. P. J. Awasare	Appointment as Local Inquiry Committee(LIC) Chairman	22/08/2012
2012-13	Dr. P. J. Awasare	Appointment for conducting Syllabus Review meeting for M. E.(Mechanical Engineering)	11/10/2012

14. Details of teachers appointed/nominated on Editorial Boards/Reviewers at university, state, national and international levels.

AY	Name of Faculty	Details
2015-16	Mr. A. S. Bhanage	Worked as Reviewer for 7th International Conference on Theoretical and Applied Mechanics (TAM-2016)
2015-16	Mr. A. S. Bhanage	9th International Conference on Engineering Mechanics, Structures, Engineering Geology
2015-16	Mr. A. S. Bhanage	Worked as Reviewer for 12th International Conference on Applied and Theoretical Mechanics (MECHANICS-2016)
2015-16	Mr. A. S. Bhanage	Selection on Editorial Board Member International Journal of Analytical, Experimental and Finite Element Analysis (IJAEFEA)

2015-16	Mr. A. S. Bhanage	Selection as a Reviewer International Journal of Mechanical Engineering and Robotics Research (IJMERR)
2015-16	Mr. A. S. Bhanage	Selected as Reviewer for IJTEEE
2015-16	Mr. A. S. Bhanage	Selection as in IJRMET Reviewer Board
2015-16	Mr. A. S. Bhanage	Selection as a Reviewer International Journal of Research in Engineering and Technology(IJRET)
2015-16	Mr. A. S. Bhanage	Selection as a Reviewer International Journal of Engineering Research (IJER)
2015-16	Mr. A. S. Bhanage	Worked as Reviewer for Ist MECHPGCON-2015
2015-16	Mr. A. S. Bhanage	Selection on Editorial Board Member International Journal of Advances in Production and Mechanical Engineering and Technolgy (IJAPME)
2015-16	Mr. A. S. Bhanage	Selection on Editorial Board Member International Journal of Innovative Research in Advanced Engineering (IJIRAE)
2014-15	Mr. A. S. Bhanage	Selection on Editorial Board / reviewer of International Journal of Advanced Technology and Engineering Exploration (IJATEE)
2014-15	Mr. A. S. Bhanage	Member of Seventh Sense Research Group
2014-15	Mr. A. S. Bhanage	Selection on Editorial Board Member American Journal of Mechanical Engineering (AJME)
2014-15	Mr. A. S. Bhanage	Selection as a Reviewer International Journal of Engineering and Technology Research

15. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

A.Y.	**Name of Staff**	**Nature of Award**	**Details of Event / Competition**
2015-16	Mr. G. L. Allampallewar	Mentor GURU	Nirman Gokart Championship 2016
2014-15	Mr. S. G. Gawde	Ist Prize of Paper Presentation	International Conference on Recent Advances in Mechanical Engineering
2012-13	Mr. D. P. yesane	Ist Prize of Paper Presentation	National Conference on " Emerging Trends in Engineering, Technology & Architecture" organised by D.Y.P.C.O.E.&T., Kolhapur

16. Awards and Prizes received by students at university, state, national and international level:

Year	**Name of student**	**Name of Event (Co-curricular)**	**Event Level**	**Remark**
2015-16	Shubham Fasale	Samvitti16 (Cad-Holix)	National	Winner
2015-16	Shubham Fasale	Ansys Workbench Trainning	National	Secured A Grade
2014-15	Monika Sajgure	Automotive IC Engine design & Development 80 hrs Internship	National	Awarded as Best Trainee

2014-15	Mahesh Hinge	Optimist Technology Catia V5 Certification	National	Secured A Grade
2013-14	Unmesh Khare	ICEAT2014	International	Paper Published in IOSR
2012-13	Unmesh Khare	MECHNOVA13	State	1st Rank
2012-13	Vineet Salunkhe	at VIIT in PERCEPTION	State	1st Prize
2012-13	Vineet Salunkhe	at JSPM in ROBO-SOCCER	State	1st Prize
2012-13	Vineet Salunkhe	at COEP in MIND-SPARK	National	2nd Prize

Year	Name of student	Name of Event (extra-curricular)	Event Level	Remark
2015-16	Ajinkya Suyvanshi	MM Karandak16(Table tennis)	State	2nd position
2015-16	Yashswini Gosavi	ALAGRHY16(Table Tennis)	National	1st Position
2015-16	Kishore Thorat	Insignia16 (Cultural Glam-Slam)	Inter college	Winner
2015-16	Mahendra Singh Rathore	M.M. Karandak16(Table Tennis)	State	2nd position
2015-16	Vaibhav Lavhale	Street Play NSS	National	1st Position
2015-16	Vaibhav Lavhale	Jishin16 (Street Play)	National	1st Position
2015-16	Vaibhav Lavhale	Melange16 (Path Natya)	State	2nd position
2015-16	Vaibhav Lavhale	INNOVISION16(Street Play)	National	Runner Up
2015-16	Siddharth Pawar	National Service Scheme ,BVPCOE,Pune (Street Play)	National	1st Position
2015-16	Siddharth Pawar	Jishin16 (Street Play)	National	1st Position
2014-15	Kishore Thorat	Panache15(Fashion Show)	State	1st Position
2014-15	Kishore Thorat	Insignia15 (Cultural Glam-Slam)	Inter college	Winner
2014-15	Vaibhav Lavhale	Insignia 15 (Glam Slam)	State	Winner
2014-15	Nayan Kambale	MM Sports Karandak (Badminton)	State	3rd Position
2014-15	Koshor Lalge	organized by MFTA and recognized by SGFI (School Games Federation of India)	National	3rd Prize
2014-15	Chinmay Kulkarni	Cummins College (Fashion Show)	State	Winner
2014-15	Nupur Marne	Cummins College (Fashion Show)	State	Winner
2014-15	Manoj Pawar	Cummins College (Fashion Show)	State	Winner
2014-15	Kishor Thorat	Cummins College (Fashion Show)	State	Winner
2014-15	Chinmay Kulkarni	ASM (Fashion Show)	State	Winner
2014-15	Nupur Marne	ASM (Fashion Show)	State	Winner
2014-15	Manoj Pawar	ASM (Fashion Show)	State	Winner
2014-15	Kishor Thorat	ASM (Fashion Show)	State	Winner
2014-15	Nikita Jadhav	Pune District Sports (Badminton)	State	Runner-up
2014-15	Ajinkya	ASM (Fashion Show)	State	1st Runner up
2014-15	Chinmay Kulkarni	Mr. & Mrs. Live Soul Personality, Pune	National	Best Look Male
2014-15	Nupur Marne	Mr. & Mrs. Live Soul Personality, Pune	National	Best Smile Female
2014-15	Siddharth Pawar	ONYX 15 (Foot ball)	State	First Prize

2013-14	Kishore Thorat	Aarohan 14 (solo dance)	Inter college	Winner
2013-14	Rajesh Khandekar	COEP ZEST - 2014 (Shot Put)	National	Bronze Medal
2013-14	Siddharth Pawar	Spectrum 2014 (Computer Gaming)	National	1st Position
2012-13	Suraj Jaybhaye	in All India Aircraft Flying Competition.	National	Best Cadet Medal
2012-13	Chinmay Kulkarni	ASM (Fashion Show)	State	Winner
2012-13	Nupur Marne	ASM (Fashion Show)	State	Winner

17. Details of Seminars/ Conferences/Workshops/FDP organized at university, state, national and international level and the source of funding with details:

Name of Conference/ Seminars / Workshops	**Funding agency**	**No. of Participants**	**University/State/National/ International**	**Dates**
National Conference on Product Modeling, Simulation and Manufacturing	CADD Center	205	National	9 & 10 Sept 2016
5 Days National Level Workshop on Dynamics of ATV Vehicle	MMIT	58	National	5th to 9th June 2016
Two days State Level Workshop on Product Design and Development	MMIT	91	State	23 & 24 Dec 2014

18. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.: **Nil**

19. Curricular Aspects:

a) Does the department offer program with sufficient no. of electives options?

Academic Year	**Course**	**Elective**	
2015-16	2012 COURSE	Elective-I	Energy Audit Management
			Tribology
			Reliability Engineering
			Machine Tool Design
		Elective-II	Gas Turbine Propulsion
			Product Design and Development
			Operation Research
			Advanced Manufacturing Processes
		Elective-III	Refrigeration and Air Conditioning Equipment Design
			Robotics
			Industrial Engineering
			Open Elective **
		Elective-IV	Computational Fluid Dynamics
			Finite Element Analysis
			Design of Pumps, Blowers and Compressors
2014-15 2013-14 2012-13	2008 COURSE	Elective I	Energy Audit and Management
			Product Design and Development
			Design of Pumps, Blowers and Compressors
			Tribology
		Elective II	Automobile Engineering

			Machine Tool Design
			Quantitative and decision-making Techniques
		Elective III	Computational Fluid Dynamics
			Finite Element Method
			Robotics
			Advanced Air Conditioning and Refrigeration
		Elective IV	Industrial Heat Transfer Equipments
			Management Information System
			Reliability Engineering
			Open Elective

b) While framing curriculum is feed-back taken from stakeholder's viz. Students, Alumni, Parents, Employers considered? **YES**.

c) Number of teachers preparing & following Academic Teaching plan

Academic Year	No. of Teacher
2015-16	27
2014-15	25
2013-14	28
2012-13	24

d) Do you offer Bridge/Remedial courses? If yes, Give details.

Remedial Courses

Academic Year	Number of students enrolled	Name of subject/topic	Class	Date
2015-16	182	SOM, TOM, THERMO, DME	SE, TE Mech	15/04/2016 TO 27/04/2016
2014-15	209	SOM, TOM, TMD, DME, DOM	SE, TE, BE Mech	02/04/2015 TO 17/04/2015
2013-14	150	SOM, MATRX, FM	SE, TE Mech	04/04/2014 TO 25/04/2014

Bridge Courses

Academic Year	Number of students enrolled	Name of the agencies involved with contact details	Name of subject/topic	Date
2015-16	6	Mr. Akshay Shah, CADD Centre, EDSIGN Pvt. Ltd., Pune	Catia V5 - 40 HRS ADD ON Course	01/03/2016 to 20/04/2016
2015-16	9	Mr. Akshay Shah, CADD Centre, EDSIGN Pvt. Ltd., Pune	CREO - 40 HRS ADD ON Course	01/03/2016 to 20/04/2016
2015-16	50	Dr.Rajesh Kumar Shrivastava (Cummins Research and Technology India Ltd. Pune)	Basics of FEM and CFD	15/09/2015
2015-16	18	Mr.Sankalp Giridhar,	Master-Cam Turn Mill & Multi Axis	20/08/2015 to 21/08/2015
2015-16	18	Miss Priya Mahanlankar, Onward Technology	Master-Cam Turn Mill & Multi Axis	20/08/2015 to 21/08/2015

2015-16	50	Mr. D D Patil (MMIT Pune)	One Day Workshop on Water Rocket	26/09/2015
2014-15	40	Mr. Jay Gaikwad (Imminent Technology) & Mr. Amit Kenjale	Wireless Communication Pneumatic System for Robots	19/12/2014 to 21/12/2014
2014-15	81	Mr. Jitendra Jagtap (Optimizt Engineering Services, Pune)	Product Design and Development-Two Days State Level Workshop	23/12/2014 to 24/12/2014
2014-15	74	Mr. Khushal Singh and Mr. Rahul Ranjan, Elite Techno Groups	Automobile & Vehicle Dynamics- 5 Day Workshop	24/08/2014 to 28/08/2014
2014-15	31	Sachin Hawaldar, DASSAULT System	CATIA Certification by DASSAULT System- 8 HRS ADD ON Course	25/12/2014
2013-14	50	Mr. Amit Kenjale	Basic Concepts in Robotics and Demonstration of Typical Robotic System-3 Days Training Program	06/09/2013 to 07/09/2013
2013-14	23	Mr. Rohit More, EDS Technology	CATIA V5- Primer & Intermediate-CATIA Advanced certified course - 48 HRS ADD ON Course	06/09/2013 to 12/10/2013
2012-13	41	Mr. Umesh Raut	Workshop on Aircraft designing and Aeromodelling show	16/09/2012 & 17/09/2012

20. What is the method for conducting internal evaluation?

Internal Evaluation Sheet

Academic Year:- Class:- Subject: Date:-

Sr. No	Exam seat No.	Name of Student	Attendance (05) (Theory+Lab)	Assignments (10)	Lab Journal (05)	Test Marks (05)	Total Marks (25)
1							

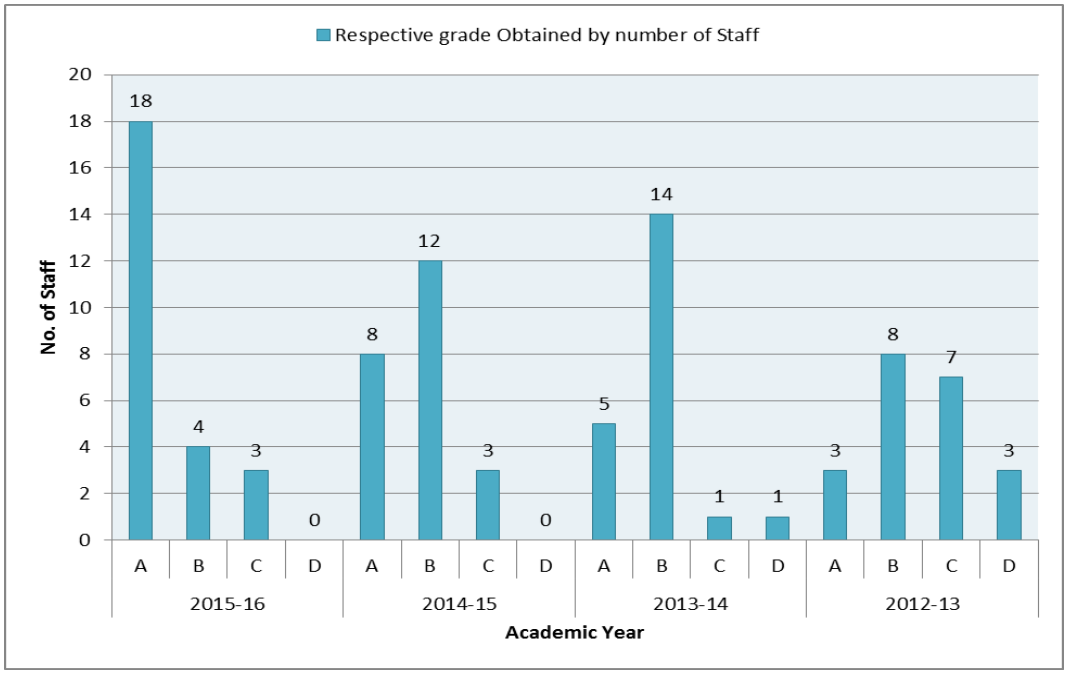
21. Teacher Performance:

Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers? **Yes.** Feedback reports are analysed and suggestions are communicated to teachers in every semester.

a) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? Suggestion Box is kept at college level

b) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the Principal with comments? **Yes.** Self-Appraisal reports submitted by the teachers and appraisals of every teacher is carried out in presence with HOD and Principal in accordance with analysis of results, students feedback and review of academic record files.

c) What is the Departmental Average Appraisal Score _____? How many teachers have Appraisal Score or Grade A, B, C and D? Departmental average Appraisal Score 25 out of 30.



22. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Guest Lectures

Academic Year	Guest Lecture	Expert Person	Date	Number of Participants
2015-16	Basics of Strength of Materials	Mr. Srirang Bendale (Professor, MIT COE , Pune)	18/03/2016	110
2015-16	Refrigeration and Air Conditioning	Dr. Avinash Desai (Principal, Ramchandra COE Pune)	05/09/2015	67
2015-16	Opportunities Through Gate	MR. Vijay Doiphode, M.Tech IIT BOMBAY)	17/03/2016	31
2015-16	Guest Lecture on Operation Research	Dr. M M Bhoomkar (Certifide Energy Auditor)	03/08/2015	80
2015-16	Steam Nozzle and Steam Turbine	Mr. Vivek Shinde (Asso. Mr. Trinity COE Pune)	09/02/2016	123
2015-16	Power Plant Engineering	Mr. S B Bhandekar (Exec. Chief Engineer MSEB)	19/01/2016	88
2015-16	Energy Audit and Management	Mr. Kiran Purandare	22/08/2015	37
2013-14	Theory of Machines	Mr. K H Munde (AP DYP SOE Pune)	22/03/2014	96
2013-14	Guest Lecture on Milling And Turning	Mr. Yashwant Chapke	13/08/2013	80
2012-13	Power Plant Engineering	Mr. Arvind Paranjape (GM, Tata Power Co.)	04/03/2013	51
2012-13	Open GL Programming	Mr. P V Deshmukh (AISSMS COE PUNE)	25/07/2012	45
2012-13	Energy Audit Case Study	Mr. Vrajlal Kanitkar (Energy Auditor)	04/10/2012	95

Workshops:

Academic Year	Workshop	Expert Person	Date	Number of Participants
2015-16	One day Workshop on FEM and CFD	Dr.Rajesh Kumar Shrivastava (Cummins Research and Technology India Ltd. Pune)	15/09/2015	50
2015-16	One Day Workshop on Water Rocket	Mr. D D Patil (MMIT Pune)	26/09/2015	50
2014-15	Two days State Level Workshop on Product Design and Development	Mr. Jitendra Jagtap (Optimizt Engineering Services, Pune)	23/12/2014 & 24/12/2014	81
2014-15	5 Days Workshop on Automobile and Vehicle Dynamics	Mr. Khushal Singh and Mr. Rahul Ranjan	24/08/2014 to 28/08/2014	74
2012-13	Workshop on Aircraft designing and Aeromodeling show	Mr. Umesh Raut	16/09/2012 & 17/09/2012	41

B. ADMINISTRATIVE AUDIT

23. Department-wise Student Teacher Ratio *(Last 4 Years)*:

Academic Year	No. of Teacher	No. of Students	Student Teacher Ratio
2015-16	27	476	14:1
2014-15	25	428	17:1
2013-14	28	437	15:1
2012-13	24	438	18:1

24. Number of teaching posts sanctioned, filled and vacant *(Last 4 Years)*:

Academic Year	Designation	Sanctioned	Filled
2015-16	Professor	2	1
	Associate Professor	5	0
	Assistant Professor	19	23
	Total	**26**	**24**
2014-15	Professor	2	1
	Associate Professor	5	0
	Assistant Professor	19	23
	Total	**26**	**24**
2013-14	Professor	2	1
	Associate Professor	5	0
	Assistant Professor	19	20
	Total	**26**	**21**
2012-13	Professor	2	2
	Associate Professor	5	0
	Assistant Professor	19	20
	Total	**26**	**22**

25. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary) *(Last 4 Years):*

A.Y.	Name	Designation	Qualifications	Teaching/Research Experience	Nature of Post
2015-16	Mr. Patil Rajat Shatigouda	Professor	ME	28	confirmed
	Mrs. Mokashi Mayura Yogeshwar	Lecturer	ME	6	confirmed
	Mr. Pandagale Martand Pandurang	Asstt. Prof.	M. Tech	4	temporary

	Mr. Yesane Dayanand Pandurang	Lecturer	ME	6	confirmed
	Mr. More Sudhir Sarjerao	Asst. Prof.	M. Tech	6	confirmed
	Mr. Dhamane Naresh Bharateshwar	Lecturer	ME	4	temporary
	Mr. Mahajan Ritesh Gangadhar	Lecturer	M. Tech	3	temporary
	Mr. Atar Dadasaheb Machindra	Asst. Prof.	M. Tech	2	temporary
	Mr. Bhanage Amol Sadashiv	Asst. Prof.	M. Tech	3	temporary
	Mr. Jagdale Ganesh Gulabrao	Lecturer	ME	6	temporary
	Mr. Whatte Abhinav G.	Lecturer	M. Tech	1	temporary
	Mr. Bhoge Dhananjay Manohar	Lecturer	ME	4	temporary
	Mr. Shrikant Gulab Gawade	Lecturer	ME	2	temporary
	Mr. Dhiraj Deepakrao Patil	Lecturer	BE	3	temporary
	Mr. Gaurao Ramesh Chaudhari	Lecturer	ME	3	temporary
	Mr. Rahul Shankarrao Jagtap	TPO	MBA	3	temporary
	Mr. Girish Allampallewar	Asst.Prof.	M. Tech	8	confirmed
	Mr. Shivaji Yadav P.	Lecturer	ME	5	temporary
	Mr. Gopal Bharat Patil	Lecturer	BE	1	temporary
	Mr. Sateesha Neelkanthrao Patil	Lecturer	ME	3	temporary
	Ms. Bhagyashrei Chandankar	Lecturer	BE	1	temporary
	Mrs. Sharvari Patil	Lecturer	ME	1	temporary
	Mr. Onkar Sunil Madhekar	Lecturer	ME	1	temporary
2014-15	Mr. Patil Rajat Shatigouda	Professor	ME	27	confirmed
	Ms Mamta Dolhare	Lecturer	BE	3	temporary
	Mrs. Mokashi Mayura Yogeshwar	Lecturer	ME	5	confirmed
	Mr Prafulla Meshram	Asst. Prof.	ME	4	confirmed
	Mr. Pandagale Martand Pandurang	Asst. Prof.	M. Tech	3	temporary
	Mr. Yesane Dayanand Pandurang	Lecturer	ME	5	confirmed
	Mr. More Sudhir Sarjerao	Asst. Prof.	M. Tech	5	confirmed
	Mr Vinayak Walikar	Lecturer	BE	3	temporary
	Mr Saurabh Joshi	Lecturer	BE	2	temporary
	Mr Gaurav Chaudhari	Lecturer	BE	2	temporary

	Mr Rahul Jagtap	TPO	MBA	2	temporary
	Mr. Dhamane Naresh Bharateshwar	Lecturer	ME	3	temporary
	Mr. Mahajan Ritesh Gangadhar	Lecturer	M. Tech	2	temporary
	Mr. Atar Dadasaheb Machindra	Asst. Prof.	M. Tech	1	temporary
	Mr. Bhanage Amol Sadashiv	Asst. Prof.	M. Tech	2	temporary
	Mr. Yadav Shivaji P.	Lecturer	BE	4	temporary
	Mr Abhijeet Kadam	Lecturer	ME	2	temporary
	Mr Girish Allampallewar	Asst. Prof.	M. Tech	7	confirmed
	Mr. Bhoge Dhananjay Manohar	Lecturer	BE	3	temporary
	Mr Mangesh Mane	Lecturer	ME	2	temporary
	Mr Yogesh Maske	Lecturer	ME	1	temporary
	Mr Rahul Kamble	Lecturer	BE	1	temporary
	Mr. Gawade Shrikant	Lecturer	BE	1	temporary
	Mr Vijay Patil	Asst. Prof.	ME	3	confirmed
2013-14	Mr Vinayak Walikar	Lecturer	BE	2	temporary
	Ms Mayura Mokashi	Lecturer	ME	4	temporary
	Mr Prafulla Meshram	Asst. Prof.	ME	3	confirmed
	Mr. Yesane Dayanand Pandurang	Lecturer	ME	4	temporary
	Ms Mamta Dolhare	Lecturer	BE	2	temporary
	Mr Dhananjay Bhoge	Lecturer	BE	2	temporary
	Mr Vijay B Patil	Asst. Prof.	ME	2	confirmed
	Mr Girish Allampallewar	Asst. Prof.	M. Tech	6	confirmed
	Mr Shivaji Yadav	Lecturer	BE	3	temporary
	Mr Rajat S Patil	Professor	ME	26	confirmed
	Mr Sudhir More	Asst. Prof.	M. Tech	4	confirmed
	Mr Naresh Dhamne	Lecturer	BE	2	temporary
	Mr Saurabh Joshi	Lecturer	BE	1	temporary
	Mr Gaurav Chaudhari	Lecturer	BE	1	temporary
	Mr Ritesh Mahajan	Lecturer	BE	1	temporary

	Mr Martand Pandagale	Asst. Prof.	M. Tech	2	temporary
	Mr Rahul Jagtap	TPO	MBA	1	temporary
	Mr Abhijeet Kadam	Lecturer	BE	1	temporary
	Mr Mangesh Mane	Lecturer	BE	1	temporary
	Mr Yogesh Maske	Lecturer	BE	1	temporary
	Mr Rahul Kamble	Lecturer	BE	1	temporary
2012-13	Mrs Mayura Mokashi	Asst. Prof.	BE	3	temporary
	Mr Dayanand Yesane	Asst. Prof.	ME	3	confirmed
	Mr Vijay Patil	Asstt Prof	ME	1	temporary
	Mr Dhananjay Bhoge	Asst. Prof.	BE	1	temporary
	Mr Girish Allampallewar	Asst. Prof.	M. Tech	5	confirmed
	Mr Shivaji Yadav	Asst. Prof.	BE	2	temporary
	Mr Rajat S Patil	Professor	ME	25	confirmed
	Mr Sudhir More	Asst. Prof.	M. Tech	3	temporary
	Mr Prafulla Meshram	Asst. Prof.	ME	2	confirmed
	Mr Vishwas Choure	Lecturer	BE	1	temporary
	Mr. Vinayak Walikar	Lecturer	BE	2	temporary
	Mr. Sanjay Nakate	Professor	ME	20	confirmed
	Mr. Mamta Dolhare	Lecturer	BE	1	temporary
	Mr. Govind Waghmare	Lecturer	ME	3	temporary
	Ms. Shweta Deshmukh	Lecturer	BE	1	temporary
	Mr. Vijay Bhatkar	Asst. Prof.	ME	5	confirmed
	Mr. Vikram Sawant	Asst. Prof.	ME	2	confirmed
	Mr. Sandip Kale	Lecturer	BE	2	temporary
	Mr. Vishal Shitole	Lecturer	ME	2	temporary
	Mr. Pramod Salunke	Asso. Prof.	ME	2	confirmed
	Ms Nivedita Uzagare	Lecturer	BE	0	temporary

26. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

A.Y.	Post	Sanctioned	Filled	Actual
2015-16	Laboratory Assistant	03	03	03

	Laboratory Attendant	00	00	00
	Peon	02	02	02
2014-15	Laboratory Assistant	03	03	03
	Laboratory Attendant	00	00	00
	Peon	02	02	02
2013-14	Laboratory Assistant	03	03	03
	Laboratory Attendant	00	00	00
	Peon	02	02	02
2012-13	Laboratory Assistant	03	03	03
	Laboratory Attendant	00	00	00
	Peon	02	02	02

27. Student profile programme-wise at UG and PG *(Last 4 Years)*:

UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total	Year
UG	NA	128	180	124	04	128	2015-16
UG	NA	135	180	128	07	135	2014-15
UG	NA	145	180	135	10	145	2013-14
UG	NA	161	180	153	8	161	2012-13

28. Year-wise results of students at UG:

Academic Year	Class	Appeared	Passed	Pass %
2015-16	SE	149	26	16.56
	TE	153	67	42.68
	BE	168	139	82.74
2014-15	SE	140	77	55.00
	TE	156	77	49.35
	BE	121	119	98.34
2013-14	SE	148	66	44.59
	TE	155	66	42.58
	BE	126	112	88.88
2012-13	SE	145	80	54.42
	TE	114	50	43.86
	BE	74	74	100.00

29. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	M. Tech	M.S.	
2015-16	15.47	1.19	42.85
2014-15	15.7	2.5	54.54
2013-14	18.25	1.5	69.84
2012-13	27.02	2.25	71.62

30. Present details of departmental infrastructural & other facilities with regard to

a) Central Library Books and Journals, etc, relevant to Department : 50
b) Online (books, journals etc.) Subscribed : -
c) Computers and Internet facilities for staff : 23
d) Total number of class rooms : 05
e) Class rooms with ICT facility : 01
f) Students' laboratory : 08
g) Research laboratories : 01
j) Any other facility LCDs, : 05

31. Diversity of Students: (Year-wise)

Academic Year	Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2015-16	UG	3	8	1	0
2014-15	UG	7	2	4	0
2013-14	UG	8	4	2	0
2012-13	UG	7	5	3	0

32. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2015-16	-	-	0	2	2
2014-15	-	-	3	2	5
2013-14	-	-	10	2	12
2012-13	-	-	1	1	2

33. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies	% of students placed
	UG to PG	
2016-17	27.6	22.75
2015-16	15.5	42.85
2014-15	15.7	54.54
2013-14	17.9	69.84
2012-13	15.04	71.62

34. Diversity of Faculty:

Teaching faculty	AY 2015-16	AY 2014-15	AY 2013-14	AY 2012-13
from the same university	12	14	15	14
from other universities within the State	12	11	09	08
from other States	05	03	01	01
from outside the country	--	---	---	---

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the Academic Audit and Administrative Audit committees during the visit.

Head of Department

Date: 16/02/2016

M.I.T. INSTITUTE OF TECHNOLOGY PUNE-47

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INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT
A.Y. – 2017-2018

(Provide information for A. Y. 2016-17)

1. Name of the Department: Mechanical Engineering
2. Year of establishment: 2008
3. Courses conducted in collaboration with Industries and Institutions: No courses conducted
4. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Class	Examination System
SE	Semester Pattern with Online examination & Credit System
TE	Semester Pattern with In-Sem Examination
BE	Semester Pattern with In-Sem Examination

5. Participation of the department in the curriculum development for courses offered by the University.

A. Y.	Name of the teachers	Workshop/Seminars Attended	Date and Duration
2016-17	Mr. Rohit Polas	Workshop on Syllabus Detailing of Turbo Machines	08/11/16
	Mr. S.S. More	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/9/2016
	Mr. R.G. Mahajan	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/9/2016
	Mr. R.S. Patil	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/9/2016

6. Department-wise Student Teacher Ratio: 14:1
7. Department-wise Purchase Budget and expenditure details:

Estimate Budget (Rs.)	DSR Actual Expenditure (Rs.)	Consumable Actual Expenditure (Rs.)	Total Actual Expenditure (Rs.)
2905500/-	1023095/-	1145500/-	2168595/-

8. Number of teaching posts sanctioned, filled and vacant:

Number of Teachers	Sanctioned	Filled
Professor	2	2
Associate Professor	5	0
Assistant Professor	19	23
Lecturer	00	04
Total	**26**	**29**

9. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

Name	Designation	Qualifications	Teaching/Research Experience	Nature of appointment
Mr. Satpute Somnath Nandu	Professor	M. Tech	35 yrs.	probation
Mr. Patil Rajat Shatigouda	Professor	M. E	28.2 yrs.	confirmed
Dr. Joshi Anjali Jitendra	Associate Professor	PhD	15 yrs.	confirmed
Mrs. Mokashi Mayura Yogeshwar	Assistant Professor	M. E	7.2 yrs.	confirmed
Ms. Nerkar Shital Ganeshrao	Assistant Professor	M. E	4.5 yrs.	confirmed
Mr. Allampallewar Girish Laxmikant	Assistant Professor	M. Tech	7.2 yrs.	confirmed
Mr. Pandagale Martand Pandurang	Assistant Professor	M. Tech	6 yrs.	confirmed
Mr. Yesane Dayanand Pandurang	Assistant Professor	M. E	9.2 yrs.	confirmed
Mr. Kurhe Eknath Dnyandeo	Assistant Professor	M. E	9 yrs.	confirmed
Mr. More Sudhir Sarjerao	Assistant Professor	M. Tech	5.2 yrs.	confirmed
Mr. Dhamane Naresh Bharateshwar	Assistant Professor	M. E	7 yrs.	confirmed
Mr. Mahajan Ritesh Gangadhar	Assistant Professor	M. Tech	4 yrs.	confirmed
Mr. Atar Dadasaheb Machindra	Assistant Professor	M. Tech	7 yrs.	confirmed
Mr. Bhanage Amol Sadashiv	Assistant Professor	M. Tech	7.3 yrs.	confirmed
Mr. Shivaji Yadav P.	Assistant Professor	M. E	8.5 yrs	probation
Mr. Jagdale Ganesh Gulabrao	Assistant Professor	M. Tech	6.5 yrs.	probation
Mr. Whatte Abhinav G.	Assistant Professor	M. Tech	4 yrs.	probation
Mr. Bhoge Dhananjay Manohar	Assistant Professor	M. E	6.11 yrs.	confirmed
Mr. Polas Rohit Purushottam	Assistant Professor	M. E	2.1 yrs.	confirmed
Mr. Mohite Neeraj Vijay	Assistant Professor	M. Tech	2 yrs.	confirmed
Mr.Jagtap Rahul Shankarrao	Assistant Professor	MBA	5 yrs.	probation

Mrs.Nirale Manju Sudhir	Assistant Professor	M.E	6 yrs.	probation
Ms. Monalisa Mitra	Assistant Professor	M. E	7 yrs.	probation
Ms. Chandankar Bhagyashri G	Assistant Professor	M. E	3 yrs.	probation
Ms. Patil Rupali R	Assistant Professor	M. E	1 yrs.	probation
Mr. Bhatti Jasprit Singh	Assistant Professor	M. Tech	1 yrs.	probation
Ms. Chaudhary Jagruti Kiran	Assistant Professor	M. E	1 yrs.	probation
Ms. Avati Vijaya Narasu	Assistant Professor	M. E	1 yrs.	probation

10. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors:

Year	Name	Designation	Qualification	Industry/Research Experience	Nature of Appointment
2016-17	Annapa Chavan	Adjunct Faculty	DME	14 yrs.	Adjunct
	Om Dhumal	Adjunct Faculty	DME	10 yrs.	Adjunct

11. Percentage of classes taken by temporary/visiting faculty (programme-wise information): **10 %**

12. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr. No.	Posts	Sanctioned posts	Filled	Actual
1	Laboratory Assistant	03	03	03
2	Laboratory Attendant	00	00	00
3	Peon	02	02	02

13. Thrust areas of research as identified by the department:

Sr. No.	Name of Faculty	Area of Research
1	D P Yesane	Roll Forming
2	S S More	Metal Forming
3	A S Bhanage	Composite Materials & Fatigue
4	E D Kurhe	Solar Energy
5	R S Patil	Application based Material selection
6	V S Jagadale	Nano-Composite
7	N V Mohite	CFD
8	G L Allampallewar	Solar Photo-voltage cells

14. Information about research grants, projects completed and ongoing from National funding agencies (like BCUD, UGC, DST)

Sr. No.	Name of the Principle Investigator	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
NIL	NIL	NIL	NIL	NIL	NIL

15. Research facilities available in the department and recognition received, if any?
    FFT Analyser, UTM & Torsion tester

16. Special laboratories available in the departments

    1. Vibration & Noise Measurement 2. Material Testing Lab

17. Publications:

Sr. No.	Academic Year	Papers published in peer reviewed journals	SCOPUS, Web of Science Indexing Papers	Citations	*h*-index	Impact factor range/Average Impact factor
1	2016-17	50	3	6.3	1.3	5.6

18. Details of patents filed & granted and revenue income generated. **Nil**

19. Does the department have Incubation Centre? Incubation center established at institute level and students participated from the department**.**

20. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Name of the teacher	Nature of consultancy	Funds generated
1.	Mr. E D Kurhe	Repairing of Revolving Chair	Rs. 7,500.00

21. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. **Nil**

22. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.(participant, presented paper, chaired the session)

Sr. No.	Name of the teachers	Workshop/Seminars Attended	Date and Duration
1	Mr. V. S. Jagdale	One day workshop on Sturctural & Syllabus Setting	25/02/2017
2	Mr. Vikas Panwar	Two days National Level Workshop on Condition Monitoring of Rotating Machinery	07-08/02/2017
3	Mr. Rohit Polas	Participation in Elsevier Connect Seminar	29/11/2016
4	Mr. Rohit Polas	Workshop on Syllabus Detailing of Turbo Machines	08/11/16
5	Mr. S.S. More	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/09/2016
6	Mr. R.G. Mahajan	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/09/2016
7	Mr. R.S. Patil	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/09/2016

8	Mr. H. D. Kopurwar	2 Days National Level Workshop on "Convective Heat Transfer- Theory, Experiments and Applications"	09-10/09/2016
9	Mr. Rohit Polas	Staff Development Program	08-09/07/2016
10	Mr. E.D. Kurhe	2 Day Faculty Training Workshop on Industrial Projects	03-04/05/2017
11	Mr.S.S.More	2 Day Faculty Training Workshop on Industrial Projects	03-04/05/2017
12	Mr. D.M.Bhoge	2 Day Faculty Training Workshop on Industrial Projects	03-04/05/2017
13	Mr. D.P. Yesane	Two days workshop on "Intellectual Property Rights" at MSME	25-26/08/2016
14	Mr. Vishal Jagdale	One day Training Programme on Fundamentals of Tool Engineering & CAD/CAM	27/02/2016
15	Mr.A.G. Whatte	Automation Studio User's Meet-2015	05/06/2015
16	Mr. S.S More	Two weeks FDP on," Advances in Micro manufacturing"	01-12/06/2015
17	Mr. G L Allampallewar	2 Day Faculty Training Workshop on Industrial Projects	03-04/05/2017
18	Mr. M P Pandagale	2 Day Faculty Training Workshop on Industrial Projects	03-04/05/2017
19	Mrs. A J Joshi	2 Day Faculty Training Workshop on Industrial Projects	03-04/05/2017
20	Mr. D M Atar	2 Day Faculty Training Workshop on Industrial Projects	03-04/05/2017

23. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr. No.	Name of the teachers	Workshop/Seminars Attended	Date and Duration
1	Mr. V. S. Jagdale	One day workshop on Structural & Syllabus Setting	25/02/2017
2	Mr. Rohit Polas	Workshop on Syllabus Detailing of Turbo Machines	08/11/2016
3	Mr. S.S. More	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/09/2016
4	Mr. R.G. Mahajan	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/09/2016
5	Mr. R.S. Patil	Workshop on Syllabus Structuring of TE Mech 2015 Course	23/09/2016

24. Details of teachers appointed/nominated on Editorial Boards/Reviewers at university, state, national and international levels.

A.Y.	Name	Details
2016-17	Prof. A S Bhanage	Selection as a Reviewer International Journal of Engineering and Techniques (IJET)
		Selection on Editorial Board of International Organisation of Scientific Research and Development (IOSRD)
		Selection on Editorial Board of International Journal of Innovative Science, Engineering and Technology

		Selection as a Reviewer International Journal of Engineering and Techniques (IJET)

25. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Name of Staff	Nature of Award	Details of Event / Competition
Mr. A. S. Bhanage	Ist Rank as Best Innovative Project	BHAU Institute if Innovation, Entrepreneurship & Leadership, College of engineering, Pune
Mr.. M. P. Pandagale	Ist Dronacharya Award	Auto India Racing Championship-2017, Pune

26. Awards and Prizes received by students at university, state, national and international level:

Year	Name of student	Name of Event (Co-curricular)	Event Level	Remark
2016-17	Shubham Fasale	Cad Holix (SAMVITTI17)	National	Winner
2016-17	Atul Vidhate	Samvitti 17 (Lathe War)	National	Winner
2016-17	Abhijeet Jadhav	Samvitti 17 (Lathe War)	National	Winner

Year	Name of student	Name of Event (extra-curricular)	Event Level	Remark
2016-17	Mahendra Singh Rathore	Table Tennis MM Karandak	State	3rd Position
2016-17	Aditya Suyvanshi	MM Karandak17(Table tennis)	State	3rd Position
2016-17	Amol Patil	MM Sports Karandak (Chess)	State	3rd Position

27. Details of Seminars/ Conferences/Workshops/FDP organized at university, state, national and international level and the source of funding with details:

Name of Conference/ Seminars / Workshops/FDP	Funding agency	No. of Participants	University/State/National/ International	Dates
National Conference on Product Modeling, Simulation and Manufacturing in collaboration with CADD Center and Publication Partner INPRESSCO	CADD CENTER	205	National	09/09/2016 & 10/09/2016
5 Days National Level Workshop on Dynamics of ATV Vehicle	MMIT	58	National	05/06/2016 & 09/062016
Seminar on Application of CAD CAM using Mechanical Software's	MMIT	70	University	15/02/2017

28. Student profile programme-wise at UG and PG

UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total
UG	NA	143	180	141	02	143

29. Year-wise results of students at UG:

UG/PG	Appeared	Passed	Pass %
UG	145	135	93.10

30. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	M. Tech	M.S.	
2016-17	27.58	0	22.75

31. Present details of departmental infrastructural & other facilities with regard to
    a) Central Library Books and Journals, etc, relevant to Department : 50
    b) Online (books, journals etc.) Subscribed : -
    c) Computers and Internet facilities for staff : 23
    d) Total number of class rooms : 05
    e) Class rooms with ICT facility : 01
    f) Students' laboratory : 08
    g) Research laboratories : 01
    h) Any other facility LCDs, : 05

32. Diversity of Students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	22.5	75	2.5	00

33. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2016-17	--	--	0	0	0

34. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies	% of students placed
	UG to PG	
2016-17	27.6	22.75

35. Diversity of Faculty:

Teaching faculty	%
from the same university	48.2
from other universities within the State	41.4
from other States	10.34
from outside the country	00

36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.: **Nil**

37. **Curricular Aspects:**
    a) Does the faculty take initiative in curriculum development process? Yes, by participating in following activities

Sr. no.	Particulars	Participants
1	Syllabus structure preparation	HOD & Senior faculties

2	Subject detailing	Subject Teachers
3	Syllabus implementation	Subject Teachers

b) Does the department offer program with sufficient no. of electives options?

Course	Elective	
2012 COURSE	Elective-I	Energy Audit Management
		Tribology
		Reliability Engineering
		Machine Tool Design
	Elective-II	Gas Turbine Propulsion
		Product Design and Development
		Operation Research
		Advanced Manufacturing Processes
	Elective-III	Refrigeration and Air Conditioning Equipment Design
		Robotics
		Industrial Engineering
		Open Elective **
	Elective-IV	Computational Fluid Dynamics
		Finite Element Analysis
		Design of Pumps, Blowers and Compressors

c) While framing curriculum is feed-back taken from stakeholder's viz. Students, Alumni, Parents, Employers considered? **Yes.**

38. **Teaching-Learning, Evaluation:**

1) Is the faculty imparting innovations in teaching methodology? (Group discussions / Problem solving /models / demos / Home Assignments / Seminar / Debate / Quiz)
Yes. All the faculties are using different teaching methodology like Group discussions / Problem solving /models / demos / Home Assignments / Seminar / Debate / Quiz during lecture and practical session.

2) How many number of teachers preparing Course plan with details of number of lectures to be delivered on each unit of the curriculum: All 29 Teachers

3) Use of ICT methods to support lectures: Google Apps, Email, NPTEL, PPT, 5 LCD Projectors, 1 Audio-video systems etc. are used by all faculties

4) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality?
Departmental Academic co-ordinator reviews and monitors the teaching process is to improve the quality of teaching as per the policy of Dean Academics.

5) Does the department have any mechanism to ensure that entire syllabus is completed?
As per the Policy of Dean Academic departmental academic co-ordinator takes syllabus completion report every month in each semester from all faculties to ensure completion of entire syllabus on time.

6) Do you offer Bridge/Remedial courses? If yes, Give details.

Remedial

Academic Year	Number of students enrolled	Name of subject/topic	Class	Date
2016-17	448	SOM, EM, EE, FM, TD, TM, TOM, NMO, RAC, MATRX, MSD	SE,TE, BE Mech	20/09/2016 TO 22/09/2016, 30/03/2017, 17/04/2017 to 29/04/2017

Bridge Courses

Academic Year	Number of students enrolled	Name of the agencies involved with contact details	Name of subject/topic	Date
2016-17	136	Mr. Mukul Khare (Asso. Vice President Thyssen Krupp) Mr. Stahyaprakash (Mahesh Softwares system pvt. Ltd) Mr. Vinod Dagmale (Entuple Technologies) Dr. Ganesh Soni (MSC Software corporation pvt. Ltd.) Dr. T P Singh (Symbiosis Institute of Technology, Pune)	National Conference on Product Modeling, Simulation and Manufacturing in collaboration with CADD Center and Publication Partner INPRESSCO	09/09/2016 to 10/09/2016
2016-17	58	Mr. Aniket Mind, CEO, Nexus Training Institute	Dynamics of ATV Vehicle	05/06/2016 & 09/06/2016

7) What is the method for conducting internal evaluation?

Internal Evaluation Sheet- Sample Format

Academic Year:- Class:- Subject: Date:-

Sr. No	Exam seat No.	Name of Student	Attendance (05) (Theory +Lab)	Assignments (10)	Lab Journal (05)	Test Marks (05)	Total Marks (25)
1							

39. **Participatory Learning:**

1) Involvements of students in role play, case studies, and puzzle solving
Department is conducting role play, case studies, and puzzle solving to create interest in difficult subjects such Design of Machine Element-II, Mechanical System Design and Refrigeration & Air Conditioning.

2) Sessions on Brainstorming and Panel discussion

Brainstorming and Panel Discussion sessions are conducted regularly for students to improve their soft skills**.**

Sr. No	Type	Date	Number of participants
1	Group Discussion	26/07/2016	40

2	Brainstorming on higher education opportunities in abroad	26/08/2016	38
3	Brainstorming on GD & PI	22/09/2016	69
4	Theatre based program	23/07/2016	135

3) Students Centric activities – Industrial visit, Onsite learning, Internships, MoU with Industries for learning

MoUs: -

A.Y.	Activity under MOU	Resource Person	Duration	No. of participants
2016-17	5 Days National Level Workshop on Dynamics of ATV Vehicle	Mr. Aniket Mind, CEO, Nexus Training Institute	05/06/2016 & 09/062016	58
2016-17	Conference Paper Publications In IJCET	Dr. D Mhatre Editor IJECT INPRESSCO	09/09/2016 to 05/10/2016	63
2016-17	Seminar on Application of CAD CAM using Mechanical Softwares (2017)	Mr. Stav Pratik (Satav Cad Solution)	15/02/2017	70

Industrial Visits:

Academic Year	Class	Details of Industrial Visit / Tour	Place	Date of visit	No. of Students
2016-17	BE	Visit to bal Gandharva Rangmandir	Pune	26/09/2016	120
	TE	Gas Turbine Power Plant, Uran	Uran	15/03/2017	114
	TE	Central Institute of Road Transport, Bhosari Pune	Pune	07/10/2016	50
	SE	Sai Service Pvt. Ltd, Pune	Pune	21/03/2017 & 22/03/2017	140
	SE	Katraj Dairy, Katraj, Pune	Pune	10/10/2016	150
	SE	Trial on Boiler at MMCOE, Karvenar, Pune	Pune	22/09/2016	150

4) Students Personality Development: Mock Interviews, Competitions etc.

Sr. no	Type	Date	Number of participants
1	Aptitude & problem solving training	18/06/2016 - 25/06/2016	82
2	English language training	25/05/2016	61
3	Art of living & global employability (Barclays)	13/07/2016 to 17/07/2016	130
4	Personality development workshop	01/07/2016 to 03/07/2016	135
5	Mock Personal interview	21/01/2017	60

40. **Quality of the Students:**

1) Mechanism for Identification of Advanced Learners and slow learners:

Institution identifies slow learners and advanced learners on the basis of qualifying marks and established procedure. Students learning levels are evaluated based on performance of the students in internal evaluation like unit test, on-line practice test and external evaluation of University like In-SEM, on-line and theory examinations. On the basis of results fetched, institution recognizes the slow and advanced learners.

2) Year wise Performance in Unit Test I/Unit Test II/ Viva/Term Work

Unit Test

Sr. No.	Class	Appeared	Pass	Average Result
1	SE	147	140	95.23%
2	TE	134	123	91.79%
3	BE	138	126	91.3%

TERM WORK- Sample Sheet

Academic Year:-2016-17 Class:-SE Subject: EEE

Sr. No	Exam seat No.	Name of Student	Attendance (05) (Theory +Lab)	Assign ments (10)	Lab Journal (05)	Test Marks (05)	Total Marks (25)
1	S150490803	Aware Sujit	4	8	5	4	21

3) Year wise Performance in University END SEM Exams

Academic Year	Semester	Class	No. of Students Appeared	No. of Students All Clear	Percentage	No. of Students with ATKT	Percentage
2016-17	SEM-I	SE	150	19	12.67	NA	NA
		TE	118	33	27.96	NA	NA
		BE	145	67	46.21	NA	NA
	SEM-II	SE	147	49	33.33	88	59.86
		TE	114	60	52.63	99	86.84
		BE	145	135	93.10	NA	NA

4) Participation in Skill Development Courses

Academic Year	Number of students enrolled	Name of the agencies involved with contact details	Name of subject/topic	Date
2016-17	136	Mr. Mukul Khare (Asso. Vice President Thyssen Krupp)	National Conference on Product Modeling, Simulation and Manufacturing in	09/09/2016 - 10/09/2016
		Mr. Stahyaprakash (Mahesh Softwares system pvt. Ltd)		

		Mr. Vinod Dagmale (Entuple Technologies) DR. Ganesh Soni (MSC Software corporation pvt. Ltd.) DR. T P Singh (Symbiosis Institute of Technology, Pune)	collaboration with CADD Center and Publication Partner INPRESSCO	
2016-17	58	Mr. Aniket Mind, CEO, Nexus Training Institute	Dynamics of ATV Vehicle	05/06/2016 & 09/06/2016
2016-17	60	CADD Center, Pune	CATIA certification course	18/07/2016

5) Participation in Co-Curricular / Extra Curricular Activities

A.Y	No. of Participation in co-curricular Activities				Total
	College Level	State Level	National	International	
2016-17	0	0	105	2	107

A.Y	No. of Participation Curricular Activities				Total
	College Level	State Level	National	International	
2016-17	6	8	20	0	34

41. **Teacher Performance:**

a) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers? **Yes.** Feedback reports are analysed and suggestions are communicated to teachers in every semester.

b) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? Suggestion Box is kept at college level

c) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the Principal with comments?. YES.

d) What is the Departmental average Appraisal Score _____? How many teachers have Appraisal Score or Grade A, B, C and D? For Academic Year 2016-17 Appraisal grades are in process.

e) What is the individual faculty wise h index?

Sr. No.	Name of Faculty	h index
1	Dr. Joshi Anjali Jitendra	1
2	Mr. Pandagale Martand Pandurang	1
3	Mr. More Sudhir Sarjerao	2
4	Mr. Dhamane Naresh Bharateshwar	1
5	Mr. Mahajan Ritesh Gangadhar	1
6	Mr. Bhanage Amol Sadashiv	3
7	Mr. Shivaji Yadav P.	1
8	Mr. Bhoge Dhananjay Manohar	1

42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Guest Lectures

Guest Lecture	Expert Person	Date	Number of Participants
Audit Course Road Safety	Mr. Bhimrao Garje (PSI, RSP, Pune)	23/09/2016	48

Seminars:

Seminar	Expert Person	Date	Number of Participants
Seminar on Application of CAD CAM using Mechanical Softwares	Mr. Stav Pratik (Satav Cad Solution)	15/02/2017	70

Workshops:

Academic Year	Workshop	Expert Person	Date	Number of Participants
2016-17	5 Days National Level Workshop on Dynamics of ATV Vehicle	Mr. Aniket Mind, CEO, Nexus Training Institute	05/06/2016 & 9/06/2016	58

43. How does the department ensure that DEPARTMENT VISION and MISSION statements are constantly met and learning outcomes are monitored?

VISION: - "MECHANISED DESIGN APPLICATIONS"

Subject	Course	Learning Outcomes
Theory of Machine- I	SE	Mechanism
Theory of Machine- II	TE	Mechanism
Design of Machine Element-I	TE	Design
Design of Machine Element-II	TE	Design
Power Plant Engineering	BE	Application
Mechanical System Design	BE	Application

Mission:

- Bringing out innovative and creative ideas
- Optimization of Materials
- Design and Fabrication of Machines
- Competing with best minds

Student Participation in National Level Completions

Particular	Monitoring
Bringing out innovative and creative idea's	Participation in ROBOCON
Optimization of Materials	Participation in GOKART
Design and Fabrication of Machines	Participation in BAJA
Competing with best minds	BHAU COEP Final Year Sponsored Project

44. Highlight the Special facilities (if, any) of the Department.
FFT Analyser, UTM & Torsion tester, CNC Jobber Lathe

45. Highlight the unique features of the department.
    - Student Prepares and Delivers Seminar using recent published National and International Research Paper.
    - More wattage on Industrial Sponsored Project
    - Participation in National Competition like GOKART, BAJA, ROBOCON

46. State the Innovative practices adopted in the department.
    - Model Making Practice is implemented for SE student under Theory of Machine-I Subject
    - Conducted National Conference in Department (NCPSM-2016)

47. Highlight the participation of students and faculty in extension activities. : Nil

48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

A. Strengths

1) Well-equipped classrooms, laboratories and workshop facility
2) Membership of CII, MCCIA, SAE
3) MOU with Cad Center for technical training to students on design softwares
4) 8 faculties pursuing PhD
5) Qualified, Experienced and dynamic young faculty and staff members
6) A well implemented Google app scheme for students and staff
7) Involvement of students in NSS, Robocon, Go-kart, ATV championship
8) Active student body 'MESA'
9) SAE collegiate club and Roboclub for students

B. Weaknesses

1) Research and consultancy
2) Less Students internship
3) Poor soft skills and communication skills of students

C. Opportunities

1) To explore the presence of industrial areas in the vicinity for collaboration in research and placements
2) To increase number of MOU's to impart soft skill development training to students

D. Challenges

1) Enhancing students employability to cater current industry requirements
2) To increase the student placements in the scenario of decreasing job opportunities and increase in number of engineering graduates

49. Future plans of the department:
    a. Long term plans-
    Long term Plans to organized internship courses with Industries on following topics.

Sr. No.	Internship Course	Name of Industry
1	CNC Programming and Manufacturing	Samarth Precision, Pune
2	Advanced Mechatronics	Prolific System and Technologies Pvt Ltd, Pune
3	Advanced Mechanical Design and Industrial Engineering	Design Links, Pune
4	Communication Skill	FACE, Pune

b. Short term plans-

1. Weakness in Research is overcome by additional registration for PhD by 4 Faculties along with earlier registered 8 Faculties.
2. Consultation in vibration analysis with organization is planned.

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Head of Department

Date: 22/05/2017

Dean Academics

Date: 22/05/2017

Dean Administration

Date: 22/05/2017

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Marathwada Mitra Mandal's Institute of Technology

Survey No. 35, Plot No. 5/6, Vadgaon Shinde Road,
Lohgaon, Pune-411047

MMIT/DEPT/2016-17 /31 Date: 16/06/2016

ACADEMIC AUDIT & ADMINISTRATIVE AUDIT REPORT
ACADEMIC YEAR: 2016-2017

(Provide information for last four years from 2012-13 to 2015-16)

A. ACADEMIC AUDIT

1. Name of the Department: Computer Engineering
2. Year of establishment: 2008
3. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Academic Year	Class	Examination System
2015-16	SE	Semester Pattern with Online examination & Credit System
	TE	Semester Pattern with In-Sem Examination
	BE	Semester Pattern with In-Sem Examination
2014-15	SE	Semester Pattern with Online examination
	TE	Semester Pattern with In-Sem Examination
	BE	Semester Pattern
2013-14	SE	Semester Pattern with Online examination
	TE	Semester Pattern
	BE	Semester Pattern
2012-13	SE	Semester Pattern
	TE	Semester Pattern
	BE	Semester Pattern

4. Participation of the department in the curriculum development for courses offered by the University:

Sr. No.	Academic Year	Name of Faculty	Participation in Curriculum Development
1	2013-14	Mrs. P. M. Daflapurkar	Syllabus Design TE (2012 Course) Database Management System Application
		Ms. S. S. Muley	

5. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, *(for last 4 years)*:

Academic Year	Name	Designation	Qualifications	Industry /Research Experience	Nature of appointment
2015-16	Dr. Shridhar S. Deo	Assistant Professor	PHD	15 Years	Visiting
	Ms. Uma Karanje	Assistant Professor	ME	3 Years	Visiting
2014-15	Mrs. Vidya Nadkarni	Assistant Professor	Msc Mathematics	12 Years	Visiting

6. Percentage of classes taken by temporary/visiting faculty (programme-wise information): 5%

7. Information about research grants, projects completed and ongoing from National funding agencies (like BCUD, UGC, DST) *(Last 4 Years)*:

Sr. No.	Name of the Principle Investigator	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
NIL					

8. Publications *(Last 4 Years)*:

Sr. No.	Academic Year	Papers published in peer reviewed journals	SCOPUS, Web of Science Indexing Papers	Citations	*h*-index	Impact factor range/Average Impact factor
1	2015-16	45	0	10	1	3.57
2	2014-15	31	0	26	3	1.90
3	2013-14	41	4	41	4	3.47
4	2012-13	24	0	137	5	1.29

9. Details of patents filed & granted and revenue income generated: Nil

10. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated
1	2015-16	Prof. S. S. Chaudhari	TCS iON www.tcsion.com	4,14,360/-
2	2014-15	Prof. S. S. Chaudhari	TCS iON www.tcsion.com	5,42,354/-
3	2013-14	Prof. S. S. Chaudhari	TCS iON www.tcsion.com	3,68.299/-
4	2012-13	Nil	Nil	Nil

11. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Academic Year	Courses	Expert Person
2015-16	Computer Graphics	Mr. Suhas Patil(Assistant Professor Trinity COE, Pune)
2014-15	Computer Graphics	Prof. Praveen Hore (AIT Pune)
2014-15	Operating System Partition & Space Requirement	Prof. Tushar Patil , Sinhgad College of Engineering, Pune
2013-14	Computer Graphics and Gaming	Prof. R. B. Rathod, PDAE , Manjari, Pune
2013-14	Operating System & Its Installation	Prof. Anant Kaulage, Keystone College of Engineering, Pune
2013-14	VHDL and Its Practical's	Mr. Amit Govingwani, AIT, Pune
2013-14	Open Souce and Linux	Prof. Swamiraj Jadhao,DYP COE, Akurdi, Pune

12. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session) *(Last 4 Years)*:

Sr. No.	Academic Year	No. of Workshop Attended	No. of Paper Presentation	
			International	National
1	2015-16	18	01	---
2	2014-15	20	01	04
3	2013-14	21	05	05
4	2012-13	07	02	03

13. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr. No.	Year	Name of Faculty	Activity
1	2015-16	P. M. Daflapurkar	Paper Setter & Examiner Subject- Principles of Programming Languages SE Computer
		P. M. Daflapurkar	Paper Setter & Examiner Subject- Theory of Computation TE Computer
		S. G. Rathod	Paper Setter & Examiner Database Management Systems Applications
		S. G. Rathod	Paper Setter & Examiner BE 2012 (Insem) Sem IISubject- Cloud Computing
2	2014-15	P. M. Daflapurkar	Paper Setter & Examiner Subject- Principles of Programming Languages SE Computer

14. Details of teachers appointed/nominated on Editorial Boards/Reviewers at university, state, national and international levels.

Sr. No.	Name of Faculty	Awards/Recognition received	Recognition received from reputed professional bodies and agencies National and International
1	Mr. S. G. Rathod	Member of Editorial Board	International Journal of Scientific Review

			& Research in Engg. & Technology
2	Mr. S. A. Agrawal	Reviewer for ICRTRES-15	V.B.Kolte COE,Malkapur (Buldhana)

15. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Year	Name of Faculty	Awards/Recognition received	Recognition Bodies
1.	2015-16	Mr. S. A. Agrawal	Reviewer for ICRTRES-15	V. B. Kolte COE,Malkapur (Buldhana)
2.	2015-16	Mr. U. L. Tupe	Appreciation	Excellence in work as Organizing Committee member for National Level workshop on "Bigdata & Hadoop Administration" sponsored by SPPU Under QIP
3.	2015-16	Mrs.M.V. Khadase	Appreciation	IEEE Best Paper Award
4.	2015-16	Mr.S.S.Chaudhari	Appreciation	Institute of USA
5.	2015-16	Mr.S.A.Agrawal	Appreciation	Institute of USA
6.	2014-15	Ms.K.V.Deshmukh	Outstanding Performance	MMIT, Magzine Committee
7.	2014-15	Mr.S.S.Chaudhari		
8.	2014-15	Mrs. T.S. Bhoye	Appreciation	MIT COE in Association with BOS SPPU
9.	2014-15	Mrs. T.S. Bhoye	Appreciation	MIT COE in Association with Redhat
10.	2013-14	Mrs.Manisha Bhise	Appreciation	Institute of USA

16. Awards and Prizes received by students at university, state, national and international level:

Sr. No.	Academic Year	Name of Student	Awards/Recognition received	Recognition Bodies
1.	2015-16	Swapnil Patil	Race-2016	Modern COE,Pune
2.		Swapnil Patil	Race-2016	Modern COE,Pune
3.		Vaishali Tupkar	Race-2016	Modern COE,Pune
4.		Kolte Shweta	Race-2016	Modern COE,Pune
5.		Kolte Shweta	Insigniya 2016	Inter College Cultural Fest held by ASM Group of Institutes
6.		Akshay Dalvi	Insigniya 2016	
7.		Prajacta Donde	Insigniya 2016	
8.		Komal Patil	Insigniya 2016	
9.		Akshykumar Nimbalkar	Robominton 2015	MIT AOE
10.		Avinash Adhav		
11.		Suraj Ghodake		
12.		Abhilash Lokhande		
13.		Kolte Shweta	Insigniya 2016	Inter College Cultural Fest held by ASM Group of Institutes
14.		Akshay Dalvi		
15.		Prajakta Donde		
16.		Komal Patil		
17.		Akshykumar Nimbalkar	Robominton 2015	MIT AOE
18.		Avinash Adhav	Publication of Manuscript	IRJET
19.		Suraj Ghodake		
20.		Abhilash Lokhande		

21.		Pravin Masal		
22.		Tushar Lande		
23.		Sagar Mahajan		
24.		Sarang Kamble		
25.		Manish Giri		
26.		Mukesh Borana		
27.		Ehsan Nirwan		
28.		Heena Shaikh		
29.		Shrutika Hule		
30.		Anurag Rao		
31		Sameer Pable	SYNCYTIUM 2016	SKN Medical College & Genral Hospital
32		Vikram Nath	3rd in Badminton	M.M Karandak 2016
33		Vikram Nath	Winner in Glam-Slam Event	Inter College Cultural Fest held by ASM Group of Isntitutes
34		Mrunal Survey	Dace	ECA MMCOE in Association with KALA KATTA
35		Mewar Malika Suhas	TOEFL IBT	International level
36	2015-16	Kedari Akshay	TOEFL IBT	International level
37		Mandar Gade	TOEFL IBT	International level
38		Tatar Rohit	TOEFL IBT	International level
39	2014-15	Mahesh Aher	SYNCYTIUM 2016	SKN Medical College & Genral Hospital
40		Ajay Tambe	All India Shooting Championship	National Cadet Corps
41		Shivanii Beri	Participated & Awarded in Inter College Event	Sinhgad Institutes(Sinhgad Karandak)
42		Priya Kashe	Runner Up	Inter Collge Compitition(Insignia 2015)
43		Pooja Kasbe	1st Prize in Fashion Show(Girls)	Smt.Hiraben Nanavati Institute of Management & Research for Women(Cummins)
44		Mrunal Surve	Winner in Glam-Slam Event	Inter College Cultural Fest held by ASM Group of Isntitutes
45		Atish Kaware	Participated in National Event	ALACRITY 2015
46		Kishor Thorat	1st Prize in Fashion Show(Boys)	Smt.Hiraben Nanavati Institute of Management & Research for Women(Cummins)
47		Chaparwal Prashant Govind	TOEFL	International Level
48	2013-14	Komal Dhobale	3rd Position in Shot put	MMIT Pune, Annual Social Gathering
49		Rani Nadia	3rd Position in Throw Ball	
50		Priyanka Gaikwad		
51		Pooja Nikan		

17. Details of Seminars/ Conferences/Workshops/FDP organized at university, state, national and international level and the source of funding with details:

Sr. No.	Academic Year	Name of Conference/ Seminars / Workshops/FDP	Funding agency	No. of Participants	University/State/National/ International	Dates
1	2015-16	One day Faculty Development Program on How to write technical Research Paper	Self	Faculties 30	University	7/10/2016
2	2014-15	One day Faculty Development Program on Mathematical Modelling	Self	Faculties 17	University	9/9/2014
3	2013-14	One day Faculty Development Program on Latex	Self	Faculties 30	University	9/7/2013
4	2012-13	One day Faculty Development Program on Google Apps	Self	Faculties 20	University	5/4/2012

18. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.: Nil

19. **Curricular Aspects:**

a) Does the department offer program with sufficient no. of electives options: YES

Sr. No	Academic Year	Semester	Name of Elective	No of Students
1	2015-16	Sem-II	Elective-IV-MA/BAI	39/56
			Elective-III-MC/CC	67/28
		Sem-I	Elective-IIP/DMTA	13/82
			Elective-II-PC	95
2	2014-15	Sem-II	Elective-IV-IS/CC	45/7
			Elective-III-AD	52
		Sem-I	Elective-I-SA	52
			Elective-II-STQA	52
3	2013-14	Sem-II	Elective-IV-IS	69
			Elective-III-AD	69
		Sem-I	Elective-I-AI/SA	18/51
			Elective-II-STQA	69
4	2012-13	Sem-II	Elective-IV-IS/CC	51/18
			Elective-III-AD	69
		Sem-I	Elective-I-AI/SA	32/37
			Elective-II-MS	69

b) While framing curriculum, is feed-back taken from stakeholder's viz. Students, Alumni, Parents, Employers considered: Yes

c) Number of teachers preparing & following Academic Teaching plan: All

d) Do you offer Bridge/Remedial courses? If yes, Give details.

Sr. No.	A.Y.	SEM	Class	Subject	Faculty Name	Result	No. of student Fail
1	2015-16	II	TECOMP	TOC	P. M. Daflapurkar S. K. Patil	44.71	55/123
2	2015-16	I	SE COMP	M-III	M.A. Alloli	51.92	43/105
3	2014-15	II	TE COMP	DCWSN	S.S. Muley , V.R. Waghmare	51.16	34/92
4	2014-15	II	TE COMP	TOC	P.M. Daflapurkar N.V. Wankhede	37.78	51/95
5	2014-15	II	SE COMP	DS	G.B. Aochar	53.75	43/117
6	2014-15	I	TE COMP	TOC	N.V. Wankhede	43.08	37/66
7	2014-15	I	TE COMP	SPOS	D. B. Satre	59.09	27/66
8	2014-15	I	TE COMP	PPL	P.M. Daflapurkar	57.58	28/66
9	2014-15	I	SE COMP	MIT	S.K. Patil	55	48/110
10	2014-15	I	SE COMP	EM-III	M.A. Alloli	45	53/110
11	2013-14	II	TE COMP	TOC	N.V. Wankhede	28.13	44/64
12	2013-14	II	TE COMP	DSP	D.B. Satre	43.64	31/64
13	2013-14	II	TE COMP	MMC	V. R. Waghmare	42.19	37/64
14	2013-14	II	TE COMP	DC	A.M. Kapre	50	32/64
15	2013-14	I	SE COMP	M-III	S. Shaikh	38.71	45/62
16	2012-13	II	TE COMP	TOC	P.M. Daflapurkar	44.29	41/71
17	2012-13	II	SE COMP	DELD	S.A. Agrawal	52.17	35/67
18	2012-13	II	SE COMP	DS	S. V. Thakare	52.24	36/67
19	2012-13	I	SE COMP	MIT	A A Malode	50.11	41
20	2012-13	I	SE COMP	EM III	S. Shaikh	48.11	32

Bridge Courses

Academic Year	Number of Students Enrolled	Name of Agencies involved with contact details	Name of Subject/Topic	Date
2015-16	57	GeeksLab Technologies	Workshop on Big Data Analytics & Hadoop	3/7/2015-4/7/2015

2015-16	41	Fizzible Tech Pvt. Ltd.	One Day Workshop on Arduino	1/8/2015
2015-16	30	Wipro Technologies	Expert Evaluation for Personal Interview	19/09/2015-21/09/2015
2014-15	18	Focus Academy for Career Enhancement(FACE)	Communication & Soft Skill	27/1/2014-03/02/2014
2013-14	25	Seed Infotech Ltd.	Training on SQL,Core Java & Adv. Java	6/8/2013-15/9/2013
2013-14	20	Seed Infotech Ltd.	Training on Brush-up SQL,Core Java & Adv. Java	25/2/2013-25/4/2013
2012-13	30	Apart	Aptitude & Business English Communication Training	2/7/2012

20. What is the method for conducting internal evaluation?

- Individual faculty members have primary authority and responsibility in all these areas and are charged with carrying out those responsibilities in a professional manner.
- Students are made aware of the assessment methods at the beginning of the semester and whenever necessary. The assessed answer sheets as well as Model answer sheet of internal tests (Unit Test) are given to the students and performance is discussed by the course teacher.
- Students having grievances with the internal evaluation process can directly discuss their doubts individually with respective faculty members.
- Students can approach the Head of the Department & Dean Academic, in case of any grievances.

Academic Year:- Class:- Subject: Date:-

Sr. No	Exam seat No.	Name of Student	Attendance (05) (Theory+Lab)	Assignments (10)	Lab Journal (05)	Test Marks (05)	Total Marks (25)
1							

21. **Teacher Performance:**

a) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers? Yes

b) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? Yes

c) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the Principal with comments? Yes

d) What is the Departmental Average Appraisal Score _____? How many teachers have Appraisal Score or Grade A, B, C and D?

Sr. No.	Academic Year	Grades	No. of Faculties
1.	2015-16	A	11
		B	6
		C	--
		D	--
2.	2014-15	A	5
		B	9
		C	1
		D	--
3	2013-14	A	1
		B	13
		C	2
		D	--
4	2012-13	A	2
		B	4
		C	4
		D	2

22. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.: Special Lectures

Sr. No.	Academic Year	Title of Programme	Date	Venue	Speaker
1	2015-2016	Guest Lecture on Computer Graphics	20-02-2016	Computer Network Lab	Mr. Suhas Patil, Trinity College of engineering, Pune
2		Guest Lecture on C++ Programming	06-02-2016	Object Oriented Programming Lab	Mr. Swapnil Udar, cognizant pvt ltd, Pune
3		The Java Orientation Program	23-09-2015	Class Room & Visual Programming Lab	Mr. Prasad Tasgaonkar, MBTB, Pune
4		Guest Lecture on Networking and Cyber Security	07-09-2015	Computer Network Lab	Dr. Kailas R. Patil
5	2014-2015	Guest Lecture on Computer Graphics	28-03-2015	Departmental Computer Lab	Prof. Praveen Hore , AIT, Pune
6		Guest Lecture on Python Programming	07-02-2015	Computer Lab	Satish Madanwad, persistent pvt ltd pune
7		Guest Lecture on Applet in Java Programming	23-08-2014	Object Oriented Programming Lab	Mr. Vaibhav Kotalwar, synechron pvt ltd, Pune

8		Guest Lecture on Operating System Partition & Space Requirement	09-08-2014	Operating System Lab	Prof. Tushar Patil , Sinhgad College of Engineering, Pune
9	2013-2014	Guest Lecture on Computer Graphics and Gaming	14-03-2014	Class Room & Computer Centre	Prof. R. B. Rathod, PDAE , Manjari, Pune
10		Guest Lecture on Operating System & Its Installation	15-02-2014	Class Room & Computer Lab	Prof. Anant Kaulage, Keystone College of Engineering, Pune
11		Guest Lecture on VHDL and Its Practical's	03-10-2013	Class Room & Computer Centre	Mr. Amit Govingwani, AIT, Pune
12		Guest Lecture on " Open Souce and Linux"	07-09-2013	Class Room & Computer Centre	Prof. Swamiraj Jadhao,DYP COE, Akurdi, Pune

Workshops

Academic Year	Workshop	Expert Person	Date
2015-16	Two days Workshop on big data analysis & Hadoop	Mr.Jitender Singh,Technical Manager GeeksLab Technologies	3/07/2015 & 4/07/2015
	One day workshop on Arduino	Anupran Trivedi Embedded Developer Fizzible Tech Pvt. Ltd.	1/8/2015
2014-15	One day workshop on Prospects of Computer Networks in Industry	Mr.Mahesh A. Pavaskar,Software Engineer,GSLab PVT.Ltd.	28/02/2015
	Two days workshop on Android Application Development	Mr.Mithilesh kumar Pandey, GeeksLab Technologies,New Delhi	21/02/2015 & 22/02/2015
2013-14	Three Days Workshop on Cloud Computing	Mr.Sandeep singh	16/01/2014 to 18/01/2014
	Two days workshop on .NET & C#	Mr.Sunny Jagtap, Xpanxion International Pvt.Ltd,Mrs.Leena Sunny Jagtap,Reed Infotech solutions.Pune.	22/03/2014 &23/03/2014

Seminars

Academic Year	Workshop	Expert Person	Date
2015-16	Seminar on Digital India	Prof. Mrs. P.M.Daflapurkar, HoD, Computer Engineering, MMIT, pune	6/7/2015
	Seminar on Project Report Writing	Dr.W.Z.Gandhare	4/4/2016
2012-13	Seminar on Project Guidelines	Mr.Sunil Ramdaspant Dhore Asst.Professor,AIT,Dighi,Pune.	11/3/2013

B. ADMINISTRATIVE AUDIT

23. Department-wise Student Teacher Ratio *(Last 4 Years)*:

Sr. No.	Academic Year	Number of Teachers	Number of Students	Ratio
1	2015-16	27	284	1:11
2	2014-15	21	270	1:13
3	2013-14	20	246	1:13
4	2012-13	15	212	1:15

24. Number of teaching posts sanctioned, filled and vacant *(Last 4 Years)*:

Academic Year	Number of Teachers	Sanctioned	Filled
2015-16	27	26	27
2014-15	21	22	21
2013-14	20	20	20
2012-13	15	14	15

25. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary) *(Last 4 Years):*

Academic Year 2015-16

Name	Designation	Qualifications	Teaching/ Research Experience	Nature of appointment
Mrs. P. M. Daflapurkar	HOD, Assistant Professor	ME(CE)	21 Years	Confirmed
Mr. K. S. Wagh	Assistant Professor	ME(CSE)	14 Years	Confirmed
Mr. D. B. Satre	Assistant Professor	ME(CSE-IT)	6 Years 5 Months	Confirmed
Mr. S. A. Agrawal	Assistant Professor	ME(CSE)	5 Years	Confirmed
Mr. S. G. Rathod	Lecturer	BE(CE)	8 Years 5 Months	Confirmed
Ms. M. Khadse	Lecturer	BE(CSE)	6 Years	Confirmed
Mrs. S. K. Patil	Lecturer	ME(CS)	9 Years	Confirmed
Mrs. V. R. Waghmare	Lecturer	ME(ENTC)	7 Years	Temporary
Mrs. D. J. Bonde	Lecturer	ME(CE)	15 Years	Temporary

Mr. S. S. Shinde	Lecturer	ME(CS)	6 Years	Confirmed
Ms. S. S. Muley	Lecturer	ME (CN)	8 Years	Temporary
Ms N. V. Wankhade	Lecturer	ME(CE)	4 Years	Temporary
Ms. K. V. Deshmukh	Lecturer	ME (CE)	3 Years	Temporary
Ms. S. V. Thakare	Lecturer	ME (CE)	2 Years 6 Months	Temporary
Ms S. P. Edake	Lecturer	ME (CE)	2 Years	Temporary
Ms. N. S. Jadhao	Lecturer	ME (CE)	1 Years 6 Months	Temporary
Mr. S. S. Chaudhari	Lecturer	ME (CE)	1 Year	Temporary
Mr. C. R. Mankar	Lecturer	ME (CE)	1 Year	Temporary
Mr. C. S. Bhosale	Lecturer	ME (CE)	1 Year	Temporary
Ms. N. P. Patil	Lecturer	ME (CE)	1 Year	Temporary
Mr. G. B. Aochar	Lecturer	ME (CE)	4 Year	Temporary
Ms. J. H. Landge	Lecturer	ME (CE)	4 Year	Temporary

Academic Year 2014-15

Name	**Designation**	**Qualifications**	**Teaching/ Research Experience**	**Nature of appointment**
Mrs. P. M. Daflapurkar	HOD, Assistant Professor	ME(CE)	20 Years	Confirmed
Mr. K. S. Wagh	Assistant Professor	ME(CSE)	13 Years	Confirmed
Mr. D. B. Satre	Assistant Professor	ME(CSE-IT)	5 Years 5 Months	Confirmed
Mr. S. A. Agrawal	Assistant Professor	ME(CSE)	4 Years	Confirmed
Mr. S. G. Rathod	Lecturer	BE(CE)	7 Years 5 Months	Confirmed
Ms. M. V. Bhosale	Lecturer	BE(CSE)	5 Years	Confirmed
Mr Sandep Hire	Lecturer	BE(IT)	5 Years	Temporary
Mr Pramod Mane	Lecturer	ME(CE)	2 Years	Temporary

Ms. S. S. Muley	Lecturer	ME (CN)	7 Years	Temporary
Ms N. V. Wankhade	Lecturer	BE(CE)	3 Years	Temporary
Ms Shubhada Pawar	Lecturer	BE(CE)	3 Years	Temporary
Ms Smita Chakote	Lecturer	BE(CE)	2 Years	Temporary
Ms. K. V. Deshmukh	Lecturer	BE (CE)	2 Years	Temporary
Ms. S. V. Thakare	Lecturer	BE (CE)	1 Years 6 Months	Temporary
Mr Mahesh Pavaskar	Lecturer	BE (CE)	2 Years	Temporary
Ms S. P. Edake	Lecturer	BE (CE)	1 Years	Temporary
Ms. N. S. Jadhao	Lecturer	BE (CE)	6 Months	Temporary
Mr. S. S. Chaudhari	Lecturer	BE (CE)	2 Years	Temporary
Mr. C. R. Mankar	Lecturer	BE (CE)	2 Years	Temporary
Mr. Shrikant Chavhan	Lecturer	BE (IT)	6 Months	Temporary

Academic Year 2013-14

Name	**Designation**	**Qualifications**	**Teaching/ Research Experience**	**Nature of appointment**
Mrs. P. M. Daflapurkar	HOD, Assistant Professor	ME(CE)	19 Years	Confirmed
Mr. K. S. Wagh	Assistant Professor	ME(CSE)	12 Years	Confirmed
Mr. D. B. Satre	Assistant Professor	ME(CSE-IT)	4 Years 5 Months	Confirmed
Mr. S. A. Agrawal	Assistant Professor	ME(CSE)	3 Years	Confirmed
Mr. S. G. Rathod	Lecturer	BE(CE)	6 Years 5 Months	Confirmed
Ms. M. V. Bhosale	Lecturer	BE(CSE)	4 Years	Confirmed
Mr Sandep Hire	Lecturer	BE(IT)	4 Years	Temporary
Ms. S. S. Muley	Lecturer	ME (CN)	6 Years	Temporary
Ms N. V. Wankhade	Lecturer	BE(CE)	2 Years	Temporary

Ms Shubhada Pawar	Lecturer	BE(CE)	2 Years	Temporary
Ms Smita Chakote	Lecturer	BE(CE)	1 Years	Temporary
Ms. K. V. Deshmukh	Lecturer	BE (CE)	1 Years	Temporary
Ms. S. V. Thakare	Lecturer	BE (CE)	6 Months	Temporary
Mr Mahesh Pavaskar	Lecturer	BE (CE)	1 Years	Temporary
Ms S. P. Edake	Lecturer	BE (CE)	6 Months	Temporary

Academic Year 2012-13

Name	Designation	Qualifications	Teaching/ Research Experience	Nature of appointment
Mrs. P. M. Daflapurkar	HOD, Assistant Professor	ME(CE)	18 Years	Confirmed
Mr. D. B. Satre	Assistant Professor	ME(CSE-IT)	3 Years 5 Months	Confirmed
Mr. S. A. Agrawal	Assistant Professor	ME(CSE)	2 Years	Confirmed
Mr. S. G. Rathod	Lecturer	BE(CE)	5 Years 5 Months	Confirmed
Ms. M. V. Bhosale	Lecturer	BE(CSE)	3 Years	Confirmed
Mr Sandep Hire	Lecturer	BE(IT)	3 Years	Temporary
Ms N. V. Wankhade	Lecturer	BE(CE)	1 Years	Temporary
Ms Shubhada Pawar	Lecturer	BE(CE)	1 Years	Temporary
Ms. Vaishali Jorvekar	Lecturer	BE(CE)	1 Years	Temporary
Mr. B. S. Satpute	Assistant Professor	ME (CE)	5Years	Temporary
Ms. Sonali Patwe	Lecturer	BE(CE)	1 Years	Temporary
Mr. Amit Govindwani	Lecturer	BE(EE)	2 Years	Temporary

26. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr. No.	Academic Year	Posts	Sanctioned posts	Filled	Actual
1	2015-16	Laboratory Assistant	0	2	2
2		Laboratory Attendant	0	0	0

3		Peon	0	1	1
4	2014-15	Laboratory Assistant	0	2	2
5		Laboratory Attendant	0	0	0
6		Peon	0	1	1
7	2013-14	Laboratory Assistant	0	2	2
8		Laboratory Attendant	0	0	0
9		Peon	0	1	1
10	2012-13	Laboratory Assistant	0	2	2
11		Laboratory Attendant	0	0	0
12		Peon	0	1	1

27. Student profile programme-wise at UG and PG *(Last 4 Years)*:

Sr. No.	Academic Year	UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total
1	2015-2016	UG	32	32	60	20	12	32
2	2014-2015	UG	29	29	60	20	9	29
3	2013-2014	UG	46	46	60	24	22	46
4	2012-2013	UG	45	45	60	34	11	45

28. Year wise Result of Student

UG/PG	Year	Appeared	Passed	Pass %	Grade %			
					O	A	B	C
B.E.	2015-16	96	88	91.66	23	55	10	0
T.E.		122	66	54.09	7	26	22	11
S.E.		65	11	16.92	1	6	4	0
B.E.	2014-15	52	48	92.30	4	37	6	1
T.E.		97	38	39.17	2	13	18	5
S.E.		112	52	46.12	1	10	18	20
B.E.	2013-14	70	65	92.85	12	36	16	1
T.E.		66	20	30.33	1	2	12	4
S.E.		110	36	32.72	1	6	12	18
B.E.	2012-13	69	67	97.10	17	41	8	1
T.E.		71	32	45.07	2	6	15	6
S.E.		69	17	24.64	2	3	9	3

29. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	M. Tech	M.S.	
2015-16	0	1	47.37
2014-15	2	0	76.92
2013-14	2	2	85.71
2012-13	2	2	75.36

30. Present details of departmental infrastructural & other facilities with regard to

Sr. No.	Description	2012-13	2013-14	2014-15	2015-2016
1.	Central Library Books and Journals, etc, relevant to Department	905 Titles 2690 Volumes National Journal 11 International Journal 02	905 Titles 2690 Volumes National Journal 11 International Journal 02	905 Titles 2690 Volumes National Journal 11 International Journal 02	1480 Titles 4561 Volumes National Journal 11 International Journal 02
2.	Computers and Internet facilities for staff	1:1	1:1	1:1	1:1
3.	Total number of class rooms	04	04	04	04
4.	Class rooms with ICT facility	04	04	04	04
5.	Students' laboratory	06	07	09	12
6.	Research Lab	00	00	00	00
7.	LCD Projectors and screen	05	05	08	08

31. Diversity of Students: (Year-wise)

Academic Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2015-16	17	11	4	0
2014-15	10	17	2	0
2013-14	28	17	1	0
2012-13	25	19	1	0

32. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2015-16	Nil	Nil	Nil	GRE & TOEFL(04)	04
2014-15	Nil	Nil	Nil	GRE & TOEFL(01)	01

2013-14	02	Nil	02	Nil	02
2012-13	MPSC 01	Nil	01	CAT(01)	03

33. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies	% of students placed
	UG to PG	
2015-16	2.11	47.37
2014-15	7.69	76.92
2013-14	10.00	85.71
2012-13	10.14	75.36

34. Diversity of Faculty:

Sr. No.	Academic Year	Teaching faculty	%
1	2015-2016	from the same university	25
2		from other universities within the State	2
3		from other States	0
4		from outside the country	0
5	2014-2015	from the same university	19
6		from other universities within the State	2
7		from other States	0
8		from outside the country	0
9	2013-2014	from the same university	18
10		from other universities within the State	2
11		from other States	0
12		from outside the country	0
13	2012-2013	from the same university	13
14		from other universities within the State	2
15		from other States	0
16		from outside the country	0

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the Academic Audit and Administrative Audit committees during the visit.

Head of Department

Date: 10/05/2016

M.I.T. INSTITUTE OF TECHNOLOGY PUNE-47

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"येथे बहुतांचे हित"

Marathwada Mitra Mandal's
Institute of Technology

Internal Quality Assurance Cell (IQAC)

IQAC/ 2017-18 /36 Date: 22/05/2017

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT

A.Y. – 2017-2018

(Provide information for A. Y. 2016-17)

1. Name of the Department: Computer Engineering
2. Year of establishment:2008
3. Courses conducted in collaboration with Industries and Institutions:

Sr. No.	Name of Course	Date	Duration	Name of Resource Person	Name of Industry/Institution
1	Aptitude & Business English Communication Training	18/06/2016-25/06/2016	60 hrs	Mr. Vinay Nair Ms. Anjali	sovm.org
2	Barclay's Training Program	13/07/2016-17/07/2016	20 hrs	Mr. Dhiraj Patil	Barclays
3	IBM Java Training Course	26/09/2016-16/10/2016	60 hrs	Mr. Pramod Jadhav	Aeronube

4. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Sr. No.	Academic Year	Class	Examination System
1	2016-17	BE	Semester
		TE	Semester
		SE	Credit and Grading system

5. Participation of the department in the curriculum development for courses offered by the University: NIL
6. Department-wise Student Teacher Ratio: **1:11**
7. Department-wise Purchase Budget and expenditure details:

Estimate Budget (Rs.)	DSR Actual Expenditure (Rs.)	Consumable Actual Expenditure (Rs.)	Total Actual Expenditure (Rs.)
11,23,000/-	15,56,132/-	6,50,033/-	22,06,165/-

8. Number of teaching posts sanctioned, filled and vacant:

Number of Teachers	Sanctioned	Filled
26	26	26

9. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

Sr. No.	Name	Designation	Qualifications	Teaching/Research Experience	Nature of appointment
1	Mrs. P. M. Daflapurkar	HOD, Assistant Professor	ME(CE)	23 Years	Confirmed
2	Mr. D. B. Satre	Assistant Professor	ME(CSE-IT)	8 Years 5 Months	Confirmed
3	Mr. S. A. Agrawal	Assistant Professor	ME(CSE)	7 Years	Confirmed
4	Mrs. G. V. Mane	Assistant Professor	ME (CN)	8 Years 5 Months	Confirmed
5	Mr. S. G. Rathod	Assistant Professor	ME(CE)	10 Years 5 Months	Confirmed
6	Ms. S. K. Patil	Assistant Professor	ME(CSE)	11 Years	Confirmed
7	Mrs. D. J. Bonde	Assistant Professor	ME(CE)	17 Years 1 Months	Confirmed
8	Ms. S. S. Muley	Assistant Professor	ME (CN)	10 Years	Confirmed
9	Ms. K. V. Deshmukh	Assistant Professor	ME (CE)	5 Years 2 Months	Confirmed
10	Mrs. S. T. Shinde	Assistant Professor	ME (CE)	5 Years 6 Months	Confirmed
11	Mr. S. S. Chaudhari	Assistant Professor	ME (CN)	4 Years 6 Months	Confirmed
12	Mr. U. L. Tupe	Assistant Professor	ME (CE)	2 Year	Confirmed
13	Mrs. T. S. Bhoye	Assistant Professor	ME(IT)	4 Year 5 Months	Confirmed
14	Mr. Kiran Nagargoje	Assistant Professor	ME(CSE)	9 Years	Confirmed
15	Ms. P. V. Deshmukh	Assistant Professor	ME (CE)	5 Years 11 Months	Temporary
16	Ms. Y. P. Warke	Assistant Professor	ME (CE)	3 Years 11 Months	Temporary
17	Mr. C. R. Mankar	Assistant Professor	ME(CE)	4 Years	Temporary
18	Mr. C. S. Bhosale	Lecturer	ME(CE)	2.5 Years	Temporary
19	Ms. N. S. Jadhao	Assistant Professor	ME(CE)	3.5 Years	Temporary
20	Mr. K. D. Khainar	Lecturer	ME(CE)	2.5 Years	Temporary
21	Ms. P. D. Patil	Assistant Professor	ME(CE)	2.5 Years	Temporary
22	Ms. Priyanka Jakhalekar	Assistant Professor	ME(CE)	2.5 Years	Temporary
23	Mrs. V. V. Anaspure	Assistant Professor	ME(CE)	2.5 Years	Temporary
24	Ms. M. S. Sawalkar	Assistant Professor	ME(CE)	2.5 Years	Temporary

25	Ms. K. N. Ushir	Assistant Professor	ME(CE)	2.5 Years	Temporary
26	Mrs. P. H. Jadhav	Assistant Professor	ME(CE)	2.5 Years	Temporary

10. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors:

Name	**Designation**	**Qualifications**	**Industry /Research Experience**	**Nature of appointment**
Mr. Pramod Jadhav	Adjunct Faculty	Msc	12	Temporary
Mr. Sanjay Gaikwad	Adjunct Faculty	BE (Instrumentation & Control)	30	Temporary

11. Percentage of classes taken by temporary/visiting faculty (programme-wise information): **5%**

12. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr. No.	**Posts**	**Sanctioned posts**	**Filled**	**Actual**
1	Laboratory Assistant	1	1	1
2	Laboratory Attendant	1	1	1
3	Peon	1	1	1

13. Thrust areas of research as identified by the department:

    Internet of Things, Wireless Sensor Network

14. Information about research grants, projects completed and ongoing from National funding agencies (like BCUD, UGC, DST)

Sr. No.	**Name of the Principle Investigator**	**Title of the Project**	**Funding Agency, Duration & date of sanction**	**Amount (in Lakh)**	**Remarks if any**
NIL					

15. Research facilities available in the department and recognition received, if any?
    BeagleBone Kits

16. Special laboratories available in the departments: Software Development Lab

17. Publications:

Sr. No.	**Academic Year**	**Papers published in peer reviewed journals**	**SCOPUS, Web of Science Indexing Papers**	**Citations**	***h*-index**	**Impact factor range/Average Impact factor**
1	2016-17	39	0	0	0	3.65

18. Details of patents filed & granted and revenue income generated.: **NIL**

19. Does the department have Incubation Centre? **Yes**

20. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Name of the teacher	Nature of consultancy	Funds generated
1	Prof. S. S. Chaudhari	TCS iON www.tcsion.com	4,35,114/-
2	Prof. S. A. Agrawal	National Conference NCRTCT 2017	4,887/-

21. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Sr. No.	Name of Fellow/Teachers, Adjunct and Emeritus Professors	Name of Organization	Designation
1	Dr. Aditya Abhyankar	SPPU Pune	Dean, Faculty of Technology
	Dr. Parag Kulkarni	EKLaT Research & ikowlation Research Lab Pvt. Ltd.	CEO
	Dr. Madhavi Pradhan	AISSMS Pune	Professor
	Dr. V. K. Pachgare	COEP Pune	Professor
	Dr. Vahida Attar	COEP Pune	Professor
	Dr. Sunil Doifode	DRDO Pune	Scientist
	Dr. S. R. Dhore	AIT Dighi	Professor
	Mr. Sanjay Gaikwad	BioGenex	Senior Technical Lead
	Mr. Sachidanand Kulkarni	Webonise Lab	HR Manager
	Mr. Pramod Jadhav	CapGemini	Software Engineer
	Mr. Tushar Kute	Mitsukillogies	Trainer
	Mr. Anand Iyer	TIBCO Software Inc.	Software Engineer

22. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.(participant, presented paper, chaired the session)

Sr. No.	No. of Workshop Attended	No. of Paper Presentation	
		International	National
1	13	01	27

23. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr. No.	Name of Teacher	Activity
1	P. M. Daflapurkar	Paper Setter & Examiner Subject- Principles of Programming Languages SE Computer
2	P. M. Daflapurkar	Paper Setter & Examiner Subject- Theory of Computation TE Computer

24. Details of teachers appointed/nominated on Editorial Boards/Reviewers at university, state, national and international levels.

Sr. No.	Name of Faculty	Awards/Recognition received	Recognition received from reputed professional bodies and agencies national and international
1	Mr.S.G.Rathod	Member of Editorial Board	International Journal of Scientific Review & Research in Engg. & Technology
2	Mr.S.A.Agrawal	Reviewer for ICRTRES-15	V.B.Kolte COE,Malkapur (Buldhana)

25. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name of Faculty	Awards/Recognition received	Recognition Bodies
1	Mrs.Pradnya M Daflapurkar	Appreciation	In SEED IT Idol Contest 2016 helped by SEED Infotech and SPPU, Pune
2	Mr.C. R. Mankar	Best Paper Award	NCRTCT 2017, MMIT
3	Mr. S. G. Rathod	Certificate as Mentor	Smart India Hackathon, 2017

26. Awards and Prizes received by students at university, state, national and international level:

Sr. No.	Name of Student	Awards/Recognition received	Recognition Bodies
1	Lokesh Vishvakarma	Smart India Hackathon	Sponsored by Govt. of India
2	Swapnil Ingale		
3	Dhaval Shah		
4	Yogesh Bhaturkar		
5	Shivkanya Shinde		
6	Vishal Bhamare		
7	Priyanka Chaudhari	Best Paper Award	NCRTCT-2017,MMIT,Pune
8	Shivani Beri	Best Paper Award	NCRTCT-2017,MMIT,Pune
9	Rohit Kadam	Best Paper Award	NCRTCT-2017,MMIT,Pune
10	Rushikesh kaware	GATE Qualified	GATE Organizing Committee
11	Sumit Chidrawar	CAT Qualified	IIM 2016
12	Sudarshan patil	Dy SP	MPSC

27. Details of Seminars/ Conferences/Workshops/FDP organized at university, state, national and international level and the source of funding with details:

Name of Conference/ Seminars / Workshops/FDP	Funding agency	No. of Participants	University/State/National/ International	Dates
Two days National Conference on Recent Trends in Computing Techniques	Self	Faculties 72 & Students 294	National	29/03/2017 & 30/03/2017
One day Faculty development Program on SWAYAM	Self	Faculties 35	University	11/5/2016
Seminar on AICTE Leadership Talk	Self	Students 72	University	9/01/2017

28. Student profile programme-wise at UG and PG:

UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total
UG	48	48	60	34	14	48

29. Year-wise results of students at UG:

UG	Appeared	Passed	Pass %
B.E.	115	108	93.91
T.E.	60	26	43.33
S.E.	98	11	11.22

30. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies	% of students placed
	M. Tech/M.S.	
2016-17	2.8%	25%

31. Present details of departmental infrastructural & other facilities with regard to

a) Central Library Books and Journals, etc, relevant to Department :
1480 Titles, 4561 Volumes, National Journal: 11, International Journal: 02

b) Online (books, journals etc.) Subscribed :

c) Computers and Internet facilities for staff : 1:1

d) Total number of class rooms : 04

e) Class rooms with ICT facility : 04

f) Students' laboratory : 12

g) Research laboratories : 00

h) Any other facility: LCD Projectors & Screen : 08

32. Diversity of Students: (Year-wise)

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Computer Engg.	28	19	1	0

33. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2016-17	01	00	01	CAT (01)	03

34. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

% proceeded for higher studies	% of students placed
UG to PG	
16.67	25%

35. Diversity of Faculty:

Teaching faculty	%
from the same university	23
from other universities within the State	03
from other States	00
from outside the country	00

36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.: **NIL**

37. **Curricular Aspects:**

a) Does the faculty take initiative in curriculum development process? **Yes**

b) Does the department offer program with sufficient no. of electives options.

Yes. Department offers sufficient number of Elective choice options to students by taking elective choices from them.

Sr.	Semester	Elective	Name of Electives	No. of students
1	I	I	Data Mining Techniques & Applications	70
			Image Processing	45
		II	Pervasive Computing	115

2	II	III	Mobile Computing	88
			Cloud Computing	27
		IV	Mobile Applications	88
			Business Analytics & Intelligence	27

c) While framing curriculum is feed-back taken from stakeholder's viz. Students, Alumni, Parents, and Employers considered? **Yes**

38. **Teaching-Learning, Evaluation:**

1) Is the faculty imparting innovations in teaching methodology? (Group discussions / Problem solving /models / demos / Home Assignments / Seminar / Debate / Quiz): Yes. Faculty imparting innovations in teaching methodology using Group discussions / Problem solving /models / demos / Home Assignments / Seminar / Debate / Quiz in lecture as well as practical sessions.

2) How many number of teachers preparing Course plan with details of number of lectures to be delivered on each unit of the curriculum: All

1)	Number of teachers preparing & following Academic Teaching plan	26
2)	How many teachers use the following teaching methods: a) Interactive lecture method using blackboard, Group discussions, Problem solving, Seminars. b) Use ICT methods to support lectures.	26

3) Use ICT methods to support lectures:
ICT tools such as Flipped class room, Google Apps and NPTEL Video lectures are used to support lectures.

4) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality?
Yes. Departmental Academic co-ordinator reviews and monitors the teaching process to improve the Quality of teaching as per the policy of Dean Academics.

5) Does the department have any mechanism to ensure that entire syllabus is completed?
Department have Syllabus coverage sheet mechanism to ensure that entire syllabus is completed. The sheet is monthly circulated among the subject teachers through Class Teacher, Academic Coordinator and Dean.

6) Do you offer Bridge/Remedial courses? If yes, Give details: YES

Sr. No.	SEM	Class	Subject	Faculty Name	Result %	No. of student fail
1	I	SECOMP	M-III	M.A. Alloli	23.08	50/62
2	I	SECOMP	MIT	S.T. Thakare	52.74	31/65
3	II	SECOMP	DM	D.J. Bonde	35.71	63/98
4	II	SECOMP	DELD	S.A. Agrawal	38.77	60/98
5	II	SECOMP	DSA	K.V. Deshmukh	52.04	47/98
6	II	TECOMP	TOC	P.M. Daflapurkar	30	42/60
7	II	TECOMP	DBMS	S.G.Rathod	56	26/60

7) What is the method for conducting internal evaluation?
   - Students are made aware of the assessment methods at the beginning of the semester and whenever necessary.
   - The assessed answer sheets as well as Model answer sheet of internal tests (Unit Test) are given to the students and performance is discussed by the course teacher.
   - Students having grievances with the internal evaluation process can directly discuss their doubts individually with respective faculty members. Students can approach the Head of the Department & Dean Academic, in case of any grievances. The final decision will be based solely on relevant evidence and information.

Internal Evaluation Sheet- Sample Format

Academic Year:- Class:- Subject: Date:-

Sr. No	Exam seat No.	Name of Student	Attendance (05) (Theory+Lab)	Assignments (10)	Lab Journal (05)	Test Marks (05)	Total Marks (25)
1							

39. **Participatory Learning:**

1) Involvements of students in role play, case studies, and puzzle solving: Department is conducting role play, case studies, and puzzle solving to create interest in difficult subjects such as Microprocessors, Theory of Computation, Discrete Mathematics.

2) Sessions on Brainstorming and Panel discussion: Brainstorming and Panel Discussion sessions are conducted regularly for final year students to improve their soft skills.

3) Students Centric activities – Industrial visit, Onsite learning, Internships, MoU with Industries for learning:

Sr. No.	Name of Activity	Details
1	Industrial Visit	Barclays Technology Centre India, Pune
		C-DAC, Pune
2	MOUs	QJ Technologies for learning
		Pariksha.co for online Test Series

4) Students Personality Development: Mock Interviews, Competitions etc.: Training and Practice sessions on Group Discussion, Personal Interview was arranged in relation with MM's Corporate Relation Division on 21/01/2017 with external evaluators. Department also conducted weekly Aptitude test series collaboration with Pariksha.co.

40. **Quality of the Students:**

1) Mechanism for Identification of Advanced Learners and slow learners:

Institution identifies slow learners and advanced learners on the basis of qualifying marks and established procedure. Students learning levels are evaluated based on performance of the students in internal evaluation like unit test, on-line practice test and external evaluation of University like In-SEM, on-line and theory examinations. On the basis of results fetched, institution recognizes the slow and advanced learners.

2) Year wise Performance in Unit Test I/Unit Test II/ Viva/Term Work

Sr. No.	Class	Appeared	Passed	Pass %
1	BE	115	100	86.95
2	TE	60	54	90
3	SE	98	90	91.83

3) Year wise Performance in University IN SEM /END SEM Exams

Sr. No.	Class	Appeared	Passed	Pass %
1	BE	115	108	93.91
2	TE	60	26	43.33
3	SE	98	11	11.22

4) Participation in Skill Development Courses.

Sr. No.	Date	Training Course	Resource Person
1	18/06/2016 to 25/06/2016	Aptitude & Business English Communication Training	Mr. Vinay Nair, Sovm.org Prof. Anjali
3	7/07/2016 to 9/07/2016	Theatre Based Personality Development	Mr. Amarjeet Amle
4	13/07/2016 to 17/07/2016	Barclay's Training	Prof. Dhiraj Patil MMIT
5	19/01/2017	Guest Lecture on Career Guidance	Mr. Sachidanand Kulkarni HR Webonise LAb
6	20/01/2017	SEED IT IDOL Competition	Seed Infotech Ltd.
7	21/01/2017	Practice session on Group Discussion and Personal Interview	IMERT Faculty Prof.Sanjay Tapas
8	02/02/2017	Guest Lecture on UPSC/MPSC Preparation	Mr. Sandip Patil TechRel

5) Participation in Co-Curricular / Extra Curricular Activities.

Co-Curricular Activities:

Sr. No.	Date	Activity Name	No. Of Participants
1	2nd to 4th March 2017	Robocon 2017	A team of 2 (BE) students 30
2	17th to 18th August,2017	Rajasthan Digifest 2017	A team of 4 (BE) students
3	1st to 2th April,2017	Smart India Hackathon,2017	A team of 6 (BE) students
4	29th to 30th March2017	NCRTCT-2017	12 students 3 Faculty Winner
5	27rd March 2017	SAMVITTI 2017 •Smart Programming •Computer Gamming •Google Whack •Project Competition	195 students Participants

Extra Curricular Activities:

Sr. No.	Date	Activity Name	No. Of Participants
1	5/9/2016	Teachers Day	Teachers=25 Students=150
2	24/9/2016	Welcome Function	Teachers=20 Students=100
3	8/3/2017	Woman's Day	Teachers=40 Students=94
4	25/4/2017	Farewell Function	Teachers=25 Students=125

41. **Teacher Performance:**

a) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers? YES

b) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? YES

c) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the Principal with comments? YES

d) What is the Departmental average Appraisal Score _____? How many teachers have Appraisal Score or Grade A, B, C and D? In Process. 3.6 out of 5

e) What is the individual faculty wise h index?

Sr. No	Faculty Name	h-index
1.	Mrs. P. M. Daflapurkar	1
2.	Mr. D. B. Satre	1
3.	Mr. S. A. Agrawal	1
4.	Mrs. G. S. Patil	1
5.	Mr. S. G. Rathod	1
6.	Mrs. D. J. Bonde	1
7.	Mrs. S. T. Shinde	1
8.	Ms. Y. P. Warke	1

42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Department focuses on enriching the students with various activities. Invitation of expert faculties for teaching different courses is kept mandatory for each semester. With this, students develop more interest on particular subject with the valuable lectures given by experts. Students are also encouraged to participate in extracurricular activities like NCC, Sports, Technical festivals, Cultural festivals, Seminars, Talks etc. Students are trained for Industrial technologies by Industry Expert

Sr. No.	Title of Programme	Date	Venue	Speaker
1	Guest Lecture on Virtualization & Openstack	25-03-2017	Class Room E-101	ICT Academy
2	Guest Lecture on Practical's & Industrial Usage of Data Structures	20-03-2017	Class Room E-101	Mr. Anand Iyer, Software Engineering TIBCO Software Inc.
3	Guest Lecture on Project Guidelines for Final Year BE Project	20-03-2017	Class Room E-104	Mr. Sanjay Gaikwad
4	Guest Lecture on Xen Virtualization & CUDA	18-03-2017	Class Room E-102	Ms. Anita Joshi, Assistant Professor at Sinhagad College of Engineering
5	Guest Lecture on Mobile Application	15-02-2017	Class Room E-104	Mr. Sanjay Gaikwad
6	Expert Talk on Advance Java Programming	30-01-2017	Class Room E-104	ICT Academy
7	Expert Talk on Career Opportunities After BE	29-07-2016	Class Room E-104	Gate Forum, Pune

8	Expert Talk on Guidelines for how to select the project & domain	30-06-2016	Class Room E-104	Dr. W. Z. Gandhare
9	Guest Lecture on "Software Design Methodologies and Testing"	01-02-2016	Class Room E-101	Ms. Anita Joshi, Assistant Professor at Sinhagad College of Engineering

43. How does the department ensure that DEPARTMENT VISION and MISSION statements are constantly met and learning outcomes are monitored?

In order for the objectives to be met, class-wise course planning is made by the concerned faculty considering the number of working days. If the objectives are not met within the planned duration, extra classes are arranged so that none of the courses will be left undone.The learning outcomes are monitored by daily assessment of their comprehension through verbal quizzes, time to time surprise written quizzes class tests and mock tests.

44. Highlight the Special facilities (if, any) of the Department.
- Departmental Library
- Internet facility on every computer & Wi-Fi
- DSE Extra Lecture: To cover syllabus of students those who have admitted late in odd semester
- GATE Mock Test: Practice session of final year students on various subjects to qualify GATE exam.
- FACE Training: Preparation of aptitude and personality development

45. Highlight the unique features of the department.
- Well equipped laboratories
- Emphasis on usage of Open Source technologies like LINUX.
- ERP software to automate different academic activities.

46. State the Innovative practices adopted in the department.
- Various activities conducted related to environmental awareness like SAVE TREE SAVE LIFE, SAVE WATER SAVE LIFE, GREEN PUNE CLEAN PUNE & CLEAN RIVER, SAVE RIVER
- Various training programme conducted for students to get exposure of new technology.
- Industry visit planned for students to get the industry exposure
- Guest lecture conducted for students by experts from industry and institute on various topics from syllabus.
- National level conference has been arranged by department.
- Various social activities conducted by department like SAVE CHILD GIRLS , WOMENS EMPOWERMENT & VISIT TO ORPHANAGES

47. Highlight the participation of students and faculty in extension activities.

Name of Activity	Student Participant	Faculty Participant
Workshop on Sexual Harassment of Women	10	25
Marathi Bhasha Gaurav Din	11	19
NSS Special Camp	3	17
Constitution Day Programme	8	21
Seminar on Road Safety	3	13
Seminar on Personality Development	1	44
Visit and Donation to Orphanage	3	10
Blood Donation Camp	3	12
Tree Plantation Program	4	21
Yoga Day	12	14

48. Detail major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

a. Strengths:

- Cooperative and enthusiastic staff members
- Well structured, equipped and maintained laboratories
- Empowerment & skilling of socio-economic background students
- Contributing and believing for social upliftment
- Continuous use of Google apps in teaching learning process.
- Active Participation of alumni
- Promoting national competition for students and staff

b. Weaknesses:

- More efforts needed to promote research activities
- Need to improve faculty cadre ratio

c. Opportunities:

- To establish strong collaborations with industries
- To establish high performance computing lab
- To commence course of soft skill to make students of diverse background more proficient
- Use of ERP for paperless work, to contribute towards green IT and environment awareness
- To encourage entrepreneurship through alumni

d. Challenges:

- Maintain the students admission due to less application received for engineering in Maharashtra
- Adapting fast changing world with cutting edge technology

49. Future plans of the department:

a. Long term plans

- NBA Accreditation
- Undertaking consultancy activity for internal revenue generation.

b. Short term plans

- Peer Review Process
- Center of Excellence
- To achieve more Institute-Industry collaboration to the students level.

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Head of Department

Date:

M. M. INSTITUTE OF TECHNOLOGY ★ PUNE-47

Dean Academics

Date: 22.05.2017

Dean Administration

Date: 22.05.2017

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Marathwada Mitra Mandal's Institute of Technology

Survey No. 35, Plot No. 5/6, Vadgaon Shinde Road,
Lohgaon, Pune-411047

MMIT/DEPT/2016-17 /31 Date: 16/06/2016

ACADEMIC AUDIT & ADMINISTRATIVE AUDIT REPORT

ACADEMIC YEAR: 2016-2017

(Provide information for last four years from 2012-13 to 2015-16)

A. ACADEMIC AUDIT

1. Name of the Department: Electronics & Telecommunication Engineering
2. Year of establishment:2008
3. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Academic Year	Class	Examination System
2015-16	SE	Semester Pattern with Online examination & Credit System
	TE	Semester Pattern with In-Sem Examination
	BE	Semester Pattern with In-Sem Examination
2014-15	SE	Semester Pattern with Online examination
	TE	Semester Pattern with In-Sem Examination
	BE	Semester Pattern
2013-14	SE	Semester Pattern with Online examination
	TE	Semester Pattern
	BE	Semester Pattern
2012-13	SE	Semester Pattern
	TE	Semester Pattern
	BE	Semester Pattern

4. Participation of the department in the curriculum development for courses offered by the University.

Sr. No.	Year	Name of Faculty	Remark
1.	2015-16	Mr. J. M. Bakliwal	SE Syllabus Structure finalization

5. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 4 years).
Details of Adjunct faculty/ Visiting faculty *(Last 4 Years)*:

Year	Name	Designation	Qualifications	Industry /Research Experience	Nature of appointment

2015-16	Mr.Vijay Navale	Career Counselor, Author, Speaker, Mentor	BE Production, MBA	15 Years	Guest Lecture
2014-15	Ms. Pranjal Jadhav	HOD, MBA, IMERT	MBA	10Years	Guest Lecture
2013-14	Mr.Vijay Navale	Career Counselor, , Author, Speaker, Mentor	BE Production, MBA	15Years	Guest Lecture
2012-13	--	--	--	--	--

6. Percentage of classes taken by temporary/visiting faculty (programme-wise information):

Sr. No.	Academic Year	Class	Percentage
1	2015-16	SE, TE, BE	5 %
2	2014-15	--	5%
3	2013-14	TE	5%
4	2012-13	--	--

7. Information about research grants, projects completed and ongoing from National funding agencies (like BCUD, UGC, DST) *(Last 4 Years)*:

Sr. No.	Name of the Principle Investigator	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
1	Mr. J. M. Bakliwal	Analysis & Implementation of LED Driving Topologies for the performance improvement of solid state Luminaries	BCUD, SPPU, Pune	1,00,000/-	ongoing

8. Publications *(Last 4 Years)*:

Sr. No.	Academic Year	Papers published in peer reviewed journals	SCOPUS, Web of Science Indexing Papers	Citations	*h*-index	Impact factor range/Average Impact factor
1	2015-16	6	-	1	1	5-6
2	2014-15	14	-	-	-	5-6
3	2013-14	11	-	1	1	5-6
4	2012-13	5	-	2	1	5-6

9. Details of patents filed & granted and revenue income generated: Nil

10. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated
Nil				

11. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Year	Name of Resource Person	Name of Conference/ Seminars / Workshops	No. of Participants	
			Student	Faculty
2015-16	Mr.Vijay Navale, Career Counselor, , Author, Speaker, Mentor	Guest Lecture on Career Guidance and Industrial Management	77	02
2013-14	Mr.Vijay Navale, Career Counselor, , Author, Speaker, Mentor	Guest Lecture on Career Guidance and Industrial Management	62	08
2013-14	Dr.Sanjay Dudhal, Dr.Rajendra Kanphade, Dr.Atul Padalkar, Dr.S.G.Kandawane Dr.Katti	Two days National Level Workshop on Research Methodology	-	40

12. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session) *(Last 4 Years)*:

Sr. No.	Academic Year	No. of Workshop Attended		No. of Seminar Attended		No. of Paper Presentation	
		International	National	International	National	International	National
1	2015-16	-	02	-	-	--	01
2	2014-15	-	-	-	-	-	-
3	2013-14	01	04	-	01	05	-
4	2012-13	-	01	-	-	-	-

13. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details):

Sr. No.	Year	Name of Faculty	Activity
1	2016-17	J. M. Bakliwal	Paper Setter & Examiner Subject- Integrated Circuits SE E&TC
			Paper Setter & Examiner Subject- Audio Video Engineering BE E&TC
2	2015-16	J. M. Bakliwal	Paper Setter & Examiner Subject- Automotive Electronics BE E&TC
			Paper Setter & Examiner Subject- Computer Organization SE E&TC
			Chairman Subject- Computer Organization SE E&TC
			Paper Setter & Examiner Subject- Audio Video Engineering BE E&TC
3	2014-15	J. M. Bakliwal	Paper Setter & Examiner Subject- Computer Organization SE E&TC
4	2013-14	J. M. Bakliwal	Paper Setter & Examiner Subject- Automotive Electronics

			BE E&TC
			Paper Setter & Examiner Subject- Electronics Product Design BE E&TC
5	2012-13	J.M. Bakliwal	External Senior Supervisor for University Theory Examination Oct/Nov 12-13

14. Details of teachers appointed/nominated on Editorial Boards/Reviewers at university, state, national and international levels.: Nil

15. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Year	Name of Faculty	Date	Place	Particulars
1	2015-16	Mr. P. K. Warky	24/4/16	NPTEL Online Certification	NPTEL Online Certification for Introduction to research with 86%
2		Mr. P. K. Warky	8/5/16	NPTEL Online Certification	NPTEL Online Certification for Fundamental of Electronics materials & devices with 97%
3		Mr. P. K. Warky	22/5/16	NPTEL Online Certification	NPTEL Online Certification for Industrial Automation and Control with 90%
4		Mrs. V. R. Waghmare	24/4/16	NPTEL Online Certification	NPTEL Online Certification for Introduction to research

16. Awards and Prizes received by students at university, state, national and international level:

Sr. No.	Year	Name of Student	Place	Particulars
1	2014-15	Sayed Aquib,Toushif Shaikh,Yuvraj sharma	D Y Patil COE,Pune	1st Prize "Ekalavya-2k15"
		Suarj matekar,Abhijit Sherkar,Mangesh Pawar	MMCOE,Pune	1st prize in Circuit Debugging in Dexterity-2014
2	2013-14	Shakir Shaikh	MMIT,Pune	1st Rank in Pune University

17. Details of Seminars/ Conferences/Workshops/FDP organized at university, state, national and international level and the source of funding with details:

Year	Name of Conference/ Seminars / Workshops/FDP	Funding agency	No. of Participants	University/State/National/ International	Dates
2013-14	Two days National Level Workshop on Research Methodology	Self	40	National	29-30 April 2014

18. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.: **Nil**

19. Curricular Aspects:

a) Does the department offer program with sufficient no. of electives options: **Yes**. Department offers sufficient number of Elective choice options to students by taking elective choice from them.

Year	Semester	Elective	Name of Electives	No. of Students
2015-16	I	I	Embedded Systems & RTOS36	85
		II	Electronic Product Design	85
	II	III	Audio Video Engineering	85
		IV	Biomedical Signal Processing	85
2014-15	I	I	Digital Image Processing	34
			Embedded Systems & RTOS36	36
		II	Electronic Product Design	70
	II	III	Television & Video Engineering	62
			Test and Measurement System	08
		IV	PLC and Industrial Process Automation	24
			Automotive Electronics	46
2013-14	I	I	Embedded Systems & RTOS36	66
		II	Electronic Product Design	66
	II	III	Television & Video Engineering	66
		IV	Automotive Electronics	66
2012-13	I	I	Digital Image Processing	44
			Embedded Systems & RTOS36	23
		II	Electronic Product Design	67
	II	III	Automotive Electronics	67
		IV	Television & Video Engineering	67

b) While framing curriculum is feed-back taken from stakeholder's viz. Students, Alumni, Parents, Employers considered? **Yes.**

c) Number of teachers preparing & following Academic Teaching plan: All

Year	Number of teachers preparing & following Academic Teaching plan
2015-16	15
2014-15	14
2013-14	20
2012-13	19

d) Do you offer Bridge/Remedial courses? If yes, Give details. **Yes**

Sr. No	A.Y.	Class	SEM	Subjects	Subject teacher	No of students appeared	No of Students Passed	No of Students Failed
1	2012-13	SE	I	SSDC	Ms. S. V. Bhokare	73	26	47
				NA	Ms. S. J. Koparde	75	9	66
				DLD	Mrs. D. Chakraborty	75	33	42
				PDM	Mrs. D. Chakraborty	74	26	48
		TE	I	DC	P.B.Surywanshi	69	22	47
2	2013-14	SE	I	SS	Mrs. S. B. Suryawanshi	75	24	51
				NT	Ms. S. J. Koparde	75	40	35
				DE	Mr. D. S. Gaikwad	75	25	50
		TE	I	DSP	Mr. N. S. Narwade	80	40	40
				DC	Mr. S. V. Bhise	80	43	37
			II	SCET	Ms. S. V. Bhokare	81	45	36
3	2014-15	SE	I	SS	Mrs. D. Raut	74	36	38
4	2015-16	SE	I	SS	Mr. M. D. Bobade	20	3	17
				NT	Ms. P. B. Chandake	20	7	13
			II	CS	Mr. R. V. Jawale	20	9	11
				M II	Mrs. M. A. Alloli	20	5	15
		TE	I	ETL	Mr. Suraj Rathod	76	42	34
				IC	Mr. J. M. Bakliwal	21	7	14
		TE	I	DC	Mr. S. V. Bhise	14	7	7
				ETL	Ms. R. V. Jawale	14	6	8
			II	ITCT	Mr. Sanjay Kumar	14	7	7

20. What is the method for conducting internal evaluation?
Internal Evaluation Sheet

Academic Year:- Class:- Subject: Date:-

Sr. No	Exam seat No.	Name of Student	Attendance (05) (Theory+Lab)	Assignments (10)	Lab Journal (05)	Test Marks (05)	Total Marks (25)
1							

21. Teacher Performance:

a) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers? **Yes**

b) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? **Yes**

c) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the Principal with comments? **Yes.** Self-Appraisal reports submitted by the teachers and appraisals of every teacher is carried out in presence with HOD and Principal in accordance with analysis of results, students feedback and review of academic record files.

d) What is the Departmental Average Appraisal Score _____? 86.70 How many teachers have Appraisal Score or Grade A, B, C and D?

Sr. No.	Academic Year	Grades	No. of Faculties
1.	2015-16	A	8
		B	6
		C	--
		D	--
2.	2014-15	A	3
		B	7
		C	4
		D	2
3	2013-14	A	2
		B	5
		C	4
		D	3
4	2012-13	A	3
		B	6
		C	5
		D	3

22. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Guest Lectures

Sr. No.	Year	Class	Guest Lectures
1	2015-16	BE E&TC	How Project helps to get into Industry
		BE E&TC	Computer Network
		BE E&TC	RTOS
		TE E&TC	Z-Transform
			Career guidance & opportunities by C-DAC
		BE E&TC	Computer Network
		BE E&TC	Industrial Management & Career after Graduation
		BE E&TC	Career Opportunities & Awareness by Sai Vidya Education Institute
2	2014-15	TE E&TC	Industrial Management by IMERT
3	2013-14	BE E&TC	Industrial Automation by Adroit Autotech, Pune.
		TE,BE E&TC	Complete Automation Training by PCMA Engineers
4	2012-13	BE E&TC	CCNA Security by Technocorp Solution Pvt. Ltd.
		SE,TE,BE E&TC	Quantitative Aptitude & Verbal reasoning

- Workshop and Seminars

Sr. No	Year	Workshop
1	2015-16	4 days workshop with Industrial Automation using PLC and SCADA
		Workshop on Virtuoso Skill Development Program on PLC & SCADA
		4 days workshop with Industrial Automation using PLC and SCADA
		Seminar on IOT
		Seminar on RFIC Design tool awareness program
		1-day Workshop on ERTOS hands-on ARM 9 Experiments
		Seminar on "Worlds of Peace"
2	2014-15	Workshop on CCNA Training
		Workshop on PIC microcontroller
		2 days Workshop on LATEX
		A tool Hands-on Workshop on Proteus Software
		Workshop on Career Guidance for upcoming opportunities for E &TC Student
3	2013-14	2 days National Level Workshop on Research Methodology for Faculty
4	2012-13	Workshop on CCNA Training
		1-day Workshop on CCNA security
		1-day workshop on LabVIEW Software
		Seminar on PCB Design
		Seminar on Power Supply design
		Seminar on Energy Audit System

B. ADMINISTRATIVE AUDIT

23. Department-wise Student Teacher Ratio *(Last 4 Years)*:

Year	Student: Teacher
2015-16	15: 01
2014-15	16: 01
2013-14	16: 01
2012-13	17: 01

24. Number of teaching posts sanctioned, filled and vacant *(Last 4 Years)*:

Academic Year	No of teachers	
	Sanctioned	Filled
2015-16	14	15
2014-15	14	14
2013-14	14	20
2012-13	14	19

25. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary) *(Last 4 Years):*

Year	Name	Designation	Qualifications	Teaching/ Research Experience	Nature of appointment
2015-16	Mr. Jitendra M. Bakliwal	HOD, Assistant Professor	ME, PhD*	18	Confirmed
	Mrs. Pallavi D. Wadkar	Assistant Professor	ME Electronics	5.5	Temporary
	Mrs. Shital A. Nirve	Assistant Professor	ME Electronics	3	Temporary
	Prof. Mahadev Bobade	Lecturer	ME E&TC	0.6	Temporary
	Ms. Sarita P. Shinde	Assistant Professor	ME E&TC	0.3	Temporary
	Mrs. Ashwini Shreshthi	Assistant Professor	ME Electronics	3	Temporary
	Mr. Navendu Kunar	Assistant Professor	ME	1.5	Temporary
	Mrs. Vaishali Sankale	Assistant Professor	M. TECH E&TC	4.5	Temporary
	Ms. Rohini Jawale	Assistant Professor	ME Electronics	1.5	Temporary

	Mrs. Vrushali Waghmare	Assistant Professor	ME E&TC	6	Temporary
	Mrs. Pallavi B. Chandake	Assistant Professor	ME E&TC	5	Temporary
	Mr. Sarjerao V. Bhise	Assistant Professor	ME Communication	8	Temporary
	Mr. Pankajkumar Warkey	Assistant Professor	ME E&TC	5	Temporary
	Mrs. Meghna R. Yashwante	Assistant Professor	ME Electrical	6.5	Temporary
	Mr. Laxman Kokate	Lecturer	Msc. Maths	0.5	Temporary

Year	Name	Designation	Qualifications	Teaching/ Research Experience	Nature of appointment
2014-15	Mr. Jitendra M. Bakliwal	HOD, Assistant Professor	ME, PhD*	17	Confirmed
	Mrs. Pallavi D. Wadkar	Assistant Professor	ME Electronics	4.5	Temporary
	Mrs. Shital A. Nirve	Lecturer	ME Electronics	2	Temporary
	Mr. Mahadev Bobade	Lecturer	ME E&TC	0	Temporary
	Mr. Ashish Dudhale	Lecturer	ME E&TC	3.7	Temporary
	Ms. Shital Mhetre	Lecturer	ME E&TC	0	Temporary
	Ms. Deepali Arjun Raut	Lecturer	ME	0	Temporary
	Mr. Sandeep Jambhale	Lecturer	ME Electronics	1	Temporary
	Mrs. Meghana Yashwante	Assistant Professor	ME Electrical	5.5	Confirmed
	Mr. Pankajkumar Warkey	Assistant Professor	ME E&TC	4	Confirmed
	Ms. Snehal Koparde	Assistant Professor	ME E&TC	1.6	Confirmed
	Ms. Pallavi B. Chandke	Lecturer	ME E&TC	4	Temporary
	Mr. Bhise Sarjerao	Lecturer	ME Communications	7	Temporary
	Mr. Vishal Jadhav	Lecturer	ME	1	Temporary

2013-14	Mr. Jitendra M. Bakliwal	HOD, Assistant Professor	ME, PhD*	16	Confirmed
	Mrs. Pallavi D. Wadkar	Assistant Professor	ME Electronics	3.5	Temporary
	Ms. Amruta Malode	Lecturer	ME E&TC	3	Temporary
	Ms. Pallavi Chandke	Lecturer	ME E&TC	3	Temporary
	Mr. Ashish Dudhale	Lecturer	ME E&TC	2.7	Temporary
	Mr. Navnath Narawade	Assistant Professor	ME E&TC	13	Confirmed
	Ms. Kadu Shweta	Lecturer	ME Electronics	6	Confirmed
	Ms. Snehal Koparde	Assistant Professor	ME E&TC	1.6	Confirmed
	Mr. Pravin Suryawanshi	Lecturer	ME E&TC	1	Temporary
	Ms. Debanjali Chakrabhorty	Lecturer	M. Tech Mechatronics	2	Temporary
	Ms. Shweta Suryawanshi	Lecturer	ME E&TC	1	Temporary
	Mr. Sarjerao V. Bhise	Assistant Professor	ME Communication	6	Temporary
	Mr. Deepak Gaikwad	Lecturer	ME	2	Temporary
	Ms. Snehlata Bhokare	Lecturer	ME E&TC	1	Temporary
	Mr. Pankajkumar Warkey	Lecturer	ME E&TC	3	Confirmed
	Mrs. Meghna R. Yashwante	Assistant Professor	ME Electrical	4.5	Confirmed
	Ms. Swati Parvat	Lecturer	ME Electronics	3.5	Confirmed
	Ms. Poonam Mahapure	Lecturer	Msc. Physics	1.6	Temporary
	Mr. Ganesh Pokale	Lecturer	M.Tech	0.6	Temporary
	Ms. Amruta Kapre	Lecturer	ME Computer	1.6	Temporary

2012-13	Mr. Jitendra M. Bakliwal	HOD, Assistant Professor	ME, PhD*	15	Confirmed
	Mrs. Pallavi D. Wadkar	Assistant Professor	ME Electronics	2.5	Temporary
	Ms. Amruta Malode	Lecturer	ME E&TC	4	Temporary
	Ms. Pallavi Chandke	Lecturer	ME E&TC	2.5	Temporary
	Mr. Ashish Dudhale	Lecturer	ME E&TC	1.7	Temporary
	Mr. Navnath Narawade	Assistant Professor	ME E&TC	12	Confirmed
	Ms. Kadu Shweta	Lecturer	ME Electronics	5	Confirmed
	Ms. Snehal Koparde	Assistant Professor	ME E&TC	2	Confirmed
	Mr. Pravin Suryawanshi	Lecturer	ME E&TC	2	Temporary
	Ms. Debanjali Chakraborty	Assistant Professor	M.Tech Mechatronics	1	Temporary
	Ms. Shweta Suryawanshi	Lecturer	ME E&TC	0	Temporary
	Mr. Sarjerao V. Bhise	Lecturer	ME Communications	5	Temporary
	Mr. Deepak Gaikwad	Lecturer	ME	1	Temporary
	Ms. Snehlata Bhokare	Lecturer	ME E&TC	0	Temporary
	Mr. Pankajkumar Warkey	Lecturer	ME E&TC	2	Confirmed
	Mrs. Meghna R. Yashwante	Lecturer	ME Electrical	3.5	Temporary
	Ms. Swati Parvat	Lecturer	ME Electronics	2.5	Confirmed
	Ms. Poonam Mahapure	Lecturer	Msc. Physics	0.6	Temporary
	Ms. Amruta Kapre	Lecturer	ME Computer	0.6	Temporary

26. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Year	Posts	Sanctioned posts	Filled	Actual
2015-16	Laboratory Assistant	04	04	03
	Laboratory Attendant	00	00	00
	Peon	00	00	00
2014-15	Laboratory Assistant	04	04	03
	Laboratory Attendant	00	00	00
	Peon	00	00	00
2013-14	Laboratory Assistant	04	04	03
	Laboratory Attendant	00	00	00
	Peon	00	00	00
2012-13	Laboratory Assistant	04	04	03
	Laboratory Attendant	00	00	00
	Peon	00	00	00

27. Student profile programme-wise at UG and PG *(Last 4 Years)*:

Year	UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total
2015-16	UG	19	8-FE 11-DSE	60 66	6 8	2 3	8 11
2014-15	UG	63	16-FE 47-DSE	60 47	10 29	6 18	16 47
2013-45	UG	84	39-FE 45-DSE	60 45	30 29	9 16	39 45
2012-13	UG	80	42-FE 38-DSE	60 38	30 21	12 17	42 38

28. Year-wise results of students at UG:

Year	UG	Appeared	Passed	Pass %
2015-16	S.E.	20	3	15%
	T.E.	76	27	35.52%
	B.E.	85	70	82.35%
2014-15	S.E.	74	28	37.83%
	T.E.	77	35	45.45%

	B.E.	70	65	92.85%
2013-14	S.E.	75	36	48%
	T.E.	81	30	37.03%
	B.E.	66	63	95.50%
2012-13	S.E.	73	18	24.65%
	T.E.	69	27	39.13%
	B.E.	67	66	98.50%

29. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	M. Tech	M.S.	
2015-16	5.71	-	51.42
2014-15	9.23	-	43.07
2013-14	7.93	-	46.03
2012-13	10.61	-	40.90

30. Present details of departmental infrastructural & other facilities with regard to

Year	Details	Quantity
2015-16	Central Library Books and Journals, etc, relevant to Department	6 (IEEE(ASPP), Springer (EE & CSE), McGraw Hill,J-GATE(JET),Elsevier,ASTM)
	Online (books, journals, etc.) subscribed	
	Computers and Internet facilities for staff	6
	Total number of class rooms	3
	Class rooms with ICT facility	2
	Students' laboratory	11
	Research laboratories	-
	Any other facility LCDs	3
2014-15	Central Library Books and Journals, etc, relevant to Department	6 (IEEE(ASPP), Springer (EE & CSE),McGraw Hill, J-GATE(JET),Elsevier, ASTM)
	Online (books, journals, etc.) subscribed	
	Computers and Internet facilities for staff	6
	Total number of class rooms	3
	Class rooms with ICT facility	2
	Students' laboratory	11
	Research laboratories	-
	Any other facility LCDs	3
2013-14	Central Library Books and Journals, etc, relevant to Department	6 (IEEE(ASPP),Springer(EE & CSE),McGraw Hill,J-GATE(JET),Elsevier,ASTM)
	Online (books, journals, etc.) subscribed	
	Computers and Internet facilities for staff	6
	Total number of class rooms	3
	Class rooms with ICT facility	2
	Students' laboratory	11

	Research laboratories	-
	Any other facility LCDs	3
2012-13	Central Library Books and Journals, etc, relevant to Department	6 (IEEE(ASPP),Springer(EE & CSE),McGraw Hill,J-GATE(JET),Elsevier,ASTM)
	Online (books, journals, etc.) subscribed	
	Computers and Internet facilities for staff	6
	Total number of class rooms	3
	Class rooms with ICT facility	2
	Students' laboratory	11
	Research laboratories	-
	Any other facility LCDs	3

31. Diversity of Students: (Year-wise)

Name of the Programme	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	2012-13	42.85	52.38	4.76	0
	2013-14	35	60	5	0
	2014-15	31.25	62.5	6.25	0
	2015-16	12.5	75	12.5	0
	2016-17	20	40	40	0

32. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2015-16	------_	_	_	_	_
2014-15	------_	_	_	_	_
2013-14	------	_	3	1	4
2012-13	_	_	_	4	4

33. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies	% of students placed
	UG to PG	
2015-16	5.71	51.42
2014-15	9.23	43.07
2013-14	7.93	46.03
2012-13	10.61	40.90

34. Diversity of Faculty:

Year	Teaching faculty	%
2015-16	from the same university	73.33
	from other universities within the State	26.66
	from other States	0
	from outside the country	0
2014-15	from the same university	57.15
	from other universities within the State	42.85
	from other States	0
	from outside the country	0
2013-14	from the same university	70
	from other universities within the State	25
	from other States	5
	from outside the country	0
2012-13	from the same university	68.42
	from other universities within the State	26.31
	from other States	5.26
	from outside the country	0

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the Academic Audit and Administrative Audit committees during the visit.

Head of Department

Date: 16/06/2016

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"येथे बहुतांचे हित"

Marathwada Mitra Mandal's Institute of Technology

Internal Quality Assurance Cell (IQAC)

IQAC/ 2017-18 /36 Date: 22/05/2017

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT
A.Y. – 2017-2018

(Provide information for A. Y. 2016-17)

1. Name of the Department: Electronics & Telecommunication Engineering
2. Year of establishment: 2008
3. Courses conducted in collaboration with Industries and Institutions:

Year	Industry	Course
2016-17	Nil	Nil

4. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Year	Class	Examination System
2016-17	SE	Credit and Grading system
	TE	Semester
	BE	Semester
	BE	Semester

5. Participation of the department in the curriculum development for courses offered by the Departments.

Sr. No.	Name of Faculty	Remark
1	Mr. J. M. Bakliwal	TE Syllabus Structure

6. Programme-wise Student Teacher Ratio: **9:1**
7. Department-wise Purchase Budget and expenditure details:

Sr.	Year	Budget Proposed Rs.	Budget Allocated Rs.	Laboratory Expen. Rs
1	2016-17	6,73,500.00	0.00	0.00

8. Number of teaching posts sanctioned, filled and vacant:

Year	No of teachers	
	Sanctioned	Filled
2016-17	14	15

9. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

Name	Designation	Qualifications	Teaching/ Research Experience	Nature of appointment
Mr. Jitendra M. Bakliwal	HOD, Assistant Professor	ME, PhD*	19	Confirmed
Mrs. Pallavi D. Wadkar	Assistant Professor	ME Electronics	6.5	Confirmed
Mrs. Mosami P. Pulujkar	Assistant Professor	ME Electronics	0.8	Confirmed
Ms. Mamata V. Lohar	Assistant Professor	ME Electronics	0.2	Confirmed
Ms. Prachi Deokar	Assistant Professor	ME E&TC	0.6	Temporary
Mrs. Ashwini Shreshthi	Assistant Professor	ME Electronics	4	Temporary
Mr. Mahesh A. Pawar	Assistant Professor	ME Electronics	0.2	Confirmed
Mr. Sarjerao V. Bhise	Assistant Professor	ME Communication	9	Temporary
Mrs. Shital A. Nirve	Assistant Professor	ME Electronics	4	Temporary
Ms. Sarita P. Shinde	Assistant Professor	ME E&TC	1.3	Temporary
Ms. Smruti Suryawanshi	Assistant Professor	MTECH VLSI	0.6	Temporary
Mrs. Madhuri Jadhav	Assistant Professor	ME	2	Temporary
Mrs. Shweta Kadu	Assistant Professor	ME Electronics	7	Temporary
Mr. Sanjay Kumar	Assistant Professor	ME	0.6	Temporary
Mrs. Vaishali Sankale	Assistant Professor	M. TECH E&TC	3.5	Temporary

*Registered

10. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors:

Sr. No.	Name	Designation	Activity
1	Ms.Amruta Malode	Assistant Professor,PICT,Pune	Guest Lecture on Linux Kernel Construction
	Mr. Dheeraj Sonawane	Adjunct Faculty	Lecture on Embedded System Design-case studies, Power systems
	Dr.Navnath Narwade	Principal, PGMCOE,Pune	Guest Lecture on Digital Image Processing

11. Percentage of classes taken by temporary/visiting faculty (programme- wise information):

Sr. No.	Class	Percentage
1	SE, BE	10 %

12. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Posts	Sanctioned posts	Filled	Actual
Laboratory Assistant	02	02	02
Laboratory Attendant	00	00	00
Peon	00	00	00

13. Thrust areas of research as identified by the department: Power Electronics based power efficient applications

14. Information about research grants, projects completed and ongoing during the period of last 4 years from National funding agencies (like UGC, CSIR, DST, DBT etc): 01

Sr. No.	Name of the Principle Investigator (C0-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
1	Mr. J. M. Bakliwal	Analysis & Implementation of LED Driving Topologies for the performance improvement of solid state Luminaries	BCUD, SPPU, Pune	1,00,000/-	ongoing

15. Research facilities available in the department and recognition received, if any? Matlab 10.0 License version

16. Special Laboratories available in the department: No

17. Publications:

Sr. No.	Papers published in peer reviewed journals	SCOPUS, Web of Science Indexing Papers	Citations	*h*-index	Impact factor range/Average Impact factor
1	7	-	-	-	5-6

18. Details of patents filed & granted and income generated: No

19. Does the department have Incubation Centre? No. Institute is having Incubation Centre. Students from Department participate in it.

20. Consultancy services provided, name of the teacher/s and income generated: Nil

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated
Nil				

21. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Name of Resource Person	Name of Conference/ Seminars / Workshops	No. of Participants	
		Students	Faculty
Dr. Navnath Narwade, Principal, PGMCOE, Pune	Guest Lecture on Digital Image Processing	32	01
Mrs. Amruta Malode,Assistant Profesor	Guest Lecture on Linux Kernel Construction	20	01

22. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session)

Sr. No.	No. of Workshop Attended		No. of Seminar Attended		No. of Paper Presentation	
	International	National	International	National	International	National
1	-	-	-	-	01	01

23. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr. No.	Name of Faculty	Activity
1.	J. M. Bakliwal	Paper Setter & Examiner Subject- Integrated Circuits SE E&TC Paper Setter & Examiner Subject- Audio Video Engineering, BE

24. Details of teachers appointed/nominated on Editorial Boards at university, state, national and international levels. : Nil

25. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name of Faculty	Date	Place	Particulars
1	Mr. J. M. Bakliwal	29/3/2017-30/3/2017	MMIT, Pune	Best paper Award in National Conference on Recent Trends in Computing Techniques

26. Awards and Prizes received by students at university, state, national and international level:

Sr.	Name of Student	Place	Particulars
1	Yogesh Kumavat	MMIT, Pune	Best paper Award in National Conference on Recent Trends in Computing Techniques

27. Details of Seminars/ Conferences/Workshops organized at university, state, national and international level and the source of funding with details: Nil

Name of Conference/ Seminars / Workshops	Funding agency	No. of Participants	University/State/National/ International	Dates
NIL				

28. Student profile programme-wise at UG and PG

UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total
E & TC	25	10-FE 15-DSE	60 69	6 7	4 8	10 15

29. Year-wise results of students at UG and PG:

UG	Appeared	Passed	Pass %
S.E.	21	1	4.76%
T.E.	14	5	35.71%
B.E.	67	63	94.02%

30. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	M. Tech	M.S.	
2016-17	1.59	-	17.46

31. Present details of departmental infrastructural & other facilities with regard to

Details	Quantity
Central Library Books and Journals, etc, relevant to Department	646
Online (books, journals, etc.) subscribed	2 DELNET, NDL
Computers and Internet facilities for staff	6
Total number of class rooms	3
Class rooms with ICT facility	2
Students' laboratory	8
Research laboratories	-
Any other facility LCDs	3

32. Diversity of Students: (Year-wise)

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	20	40	40	0

33. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2016-17	---	---	---	---	---

34. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	UG to PG		
2016-17	1.59	_	17.46

35. Diversity of Faculty:

Teaching faculty	%
from the same university	73.33
from other universities within the State	26.66
from other States	0
from outside the country	0

36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.: Nil

37. **Curricular Aspects:**

a) Does the faculty take initiative in curriculum development process? **Yes**

b) Does the department offer program with sufficient no. of electives options.: **Yes.** Department offers sufficient number of Elective choice options to students by taking elective choices from them.

Semester	Elective	Name of Electives	No. of Students
I	I	Digital Image Processing	31
		Embedded Systems & RTOS36	36
	II	Electronic Product Design	43
		PLCs and Automation	24

c) While framing curriculum is feed-back taken from stakeholder's viz. Students, Alumni, Parents, Employers considered? **Yes**

38. **Teaching-Learning, Evaluation**

1) Is the faculty imparting innovations in teaching methodology?
(Group discussions / Problem solving /models / demos / Home Assignments / Seminar / Debate / Quiz):
Yes. All the faculties are using different teaching methodology like Group discussions / Problem solving /models / demos / Home Assignments / Seminar / Debate / Quiz during lecture and practical session.

2) How many number of teachers preparing Course plan with details of number of lectures to be delivered on each unit of the curriculum: All 15 Teachers

3) Use ICT methods to support lectures:
Methods used: Google Apps, Email, PPT, 3 LCD Projectors, 1 Audio-video systems etc. are used by all faculties

4) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality? Yes. Departmental Academic coordinator reviews and monitors the teaching process to improve the Quality of teaching as per the policy of Dean Academics.

5) Does the department have any mechanism to ensure that entire syllabus is completed?
Yes. Department have Syllabus coverage sheet mechanism to ensure that entire syllabus is completed. The sheet is monthly circulated among the subject teachers through Class Teacher, Academic Coordinator and Academic Dean

6) Do you offer Bridge/Remedial courses? If yes, Give details. Yes

Sr. No	Academic Year	Class	Sem	Subjects	Subject teacher	No of students appeared	No of Students Passed	No of Students Failed
1	2016-17	SE	I	SS	Mrs. S. A. Nirve	22	3	19
				EDC	Mr. J. M. Bakliwal	22	9	13
				ECM	Mr. M. R. Yashwante	22	7	15
				DSA	Mrs. S. S. Suryawanshi	22	8	14
				DE	Ms. S. P. Shinde	22	13	9
			`II	CS	Ms. S. P. Shinde	21	9	12
				M III	Mrs. M. A. Alloli	21	6	15
				IC	Mr. J. M. Bakliwal	21	7	14
		TE	I	DC	Mr. S. V. Bhise	14	7	7
				ETL	Ms. R. V. Jawale	14	6	8
			II	ITCT	Mr. Sanjay Kumar	14	7	7

7) What is the method for conducting internal evaluation?

- Individual faculty members have primary authority and responsibility in all these areas and are charged with carrying out those responsibilities in a professional manner.
- Students are made aware of the assessment methods at the beginning of the semester and whenever necessary
- The assessed answer sheets as well as Model answer sheet of internal tests (Unit Test) are given to the students and performance is discussed by the course teacher.
- Students having grievances with the internal evaluation process can directly discuss their doubts individually with respective faculty members.
- Students can approach the Head of the Department & Dean Academic, in case of any grievances.

- The appeal or grievance will be considered by independent and unbiased decision makers who observe fair and impartial procedures
- The final decision will be based solely on relevant evidence and information.

39. **Participatory Learning**

1. Involvements of students in role play, case studies, and puzzle solving: Faculty involve students in role play, case studies and puzzle solving in classrooms as well as lab session.
2. Sessions on Brainstorming and Panel discussion: Brainstorming and Panel Discussion sessions are conducted regularly for final year students to improve their soft skills
3. Students Centric activities – Industrial visit, Onsite learning, Internships, MoU with Industries for learning:

Industrial Visits

Sr. No	Class	Industrial Visits
1	BE E&TC	BSNL Bhavani Peth Pune
	BE E&TC	Doordarshan Kendra Paud road Pune
	SE E&TC	PMP Automation Pvt. Ltd
	BE E&TC	Just Engineering pvt.ltd
	BE E&TC	Electronics Test and Development Center,Kothrud,Pune.

MoU with Industries for learning

Sr. No.	Period of MOU	Name of MOU	Activity Performed
1	June 2017 - June 2020	Japanese Language	Audit course
2	Feb 2016 - Feb 2018	CADD Center Training Services Pvt. Ltd	Guest Lecture = 1
3	July 2015 - July 2020	Prolific System & Technologies Pvt. Ltd	Workshop = 2
4	March 2014 – March 2017	SEED Infotech Pvt. Ltd	Workshop = 2
5	Jan 2013- Jan 2014	Meltek Infosystem Pvt.ltd	Workshop = 1 Placement = 3

4. Students Personality Development: Mock Interviews, Competitions etc.

Sr. No.	Activity	Number of participants
1	Aptitude and Problem Solving	28
2	English Language training	20
3	Art of Living & Barclays Global Youth Employability Initiative	60

40. **Quality of Students:**

1) Mechanism for Identification of Advanced Learners and slow learners:

Institution identifies slow learners and advanced learners on the basis of qualifying marks and established procedure. Students learning levels are evaluated based on performance of the students in internal evaluation like unit test, on-line practice test and external evaluation of University like In-SEM, on-line and theory examinations. On the basis of results fetched, institution recognizes the slow and advanced learners.

2) Year wise Performance in Unit Test I/Unit Test II/ Viva/Term Work

Unit Test-I: -

Sr. No.	Class	Average Result (%)
1	SE	51.8
2	TE	31.44
3	BE	74.40

Unit Test-II: -

Sr. No.	Class	Average Result (%)
1	SE	68.84
2	TE	95.70
3	BE	98.11

3) Year wise Performance in University IN SEM /END SEM Exams

Academic Year	Semester	Class	No. of Students Appeared	No. of Students All Clear	Percentage	No. of Students with ATKT	Percentage
2016-17	SEM-I	SE	22	2	9.09	NA	NA
		TE	14	6	42.85	NA	NA
		BE	67	28	41.79	NA	NA
	SEM-II	SE	21	1	4.76	20	95.23
		TE	14	5	35.71	9	64.27
		BE	67	63	94.02	NA	NA

4) Participation in Skill Development Courses

Year	Workshop
2016-17	3 Days workshop on Advanced Industrial Automation using PLC and SCADA
	1 day training on Cadence OrCAD PCB Designer
	2 days workshop on “Advance Embedded Technology – Raspberry- pi”
	Japanese Language Workshop
	Workshop on Road safety & Traffic Management

5) Participation in Co-Curricular / Extra Curricular Activities

Co-Curricular

Sr. No.	Activity Name
1.	National conference on recent trends in computing techniques
2.	Competition held by Anantrao pawar college of engineering, pune
3.	Industrial automation training at Yantra Harvest automation school, pune
4.	AVISHKAR - 2016
5.	Engineer’s Day Celebration
6.	Robocon 2016

Extra Curricular

Sr. No.	Activity
1.	Special camp at Dhamari
2.	Marathi Bhasha Din

3.	Constitution Day
4.	Teacher's day
5.	Donation to Orphange
6.	Blood Donation Camp
7.	Theater based personality development workshop
8.	Art of living and Barclays global youth employability initiative
9.	Tree plantation Program
10.	International Yoga Day
11.	Participation in PACE'17 by AIT, Pune
12.	Participation in "Shivaji Trophy" State level inter- collegiate-20 by AISSMS, Pune

41. **Teacher Performance:**

a) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analyzed and suggestions communicated to teachers? YES.

b) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? : YES.

c) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the university with comments? : YES.

d) What is the Departmental average API? How many teachers have API > Average API: (2016-17) **In Process**

e)What is the individual faculty wise h index?

Sr. No	**Faculty Name**	**h-index**
1.	Mrs. P. D. Wadkar	**1**

42. Details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

Guest Lectures

Sr. No.	**Class**	**Guest Lectures**
1	TE, BE E&TC	Industrial Automation by Prolific & Technologies Pvt.Ltd.
	BE E&TC	Introduction to Rasbery PI by AVMS Infotech,Pune.
	TE, BE E&TC	Industrial Automation by Yantra Automation
	BE E&TC	Linux Kernel Construction (Embedded Real Time Operating System)
	BE E&TC	Digital Image Processing

Workshop and Seminars

Sr. No.	**Workshop**
1.	3 Days workshop on Advanced Industrial Automation using PLC and SCADA
	1-day training on Cadence OrCAD PCB Designer
	2 days workshop on "Advance Embedded Technology – Raspberry- pi"
	Japanese Language Workshop
	Workshop on Road safety & Traffic Management

43. How does the department ensure that DEPARTMENT VISION and MISSION statements are constantly met and learning outcomes are monitored?

Vision: - "Connecting People with High Speed Technology"
Mission:

1. Developing Problem Solving Skills.
2. Inculcate and Imbibe Latest Technologies.
3. Designing Circuits & Fabricating Printed Circuit Boards.
4. Creating Multi-Disciplinary Environment

Particular	Monitoring
Developing Problem Solving Skills.	Testing of Electronic Boards
Inculcate and Imbibe Latest Technologies.	Use of Simulation Software
Designing Circuits & Fabricating Printed Circuit Boards.	Participation in PCB Design Competition
Creating Multi-Disciplinary Environment	Final Year Sponsored Project

44. Highlight the Special facilities (if, any) of the Department: - License Softwares Matlab, Multisim

45. Highlight the unique features of the department: -
    - PCB Design Lab
    - Well equipped laboratories

46. State the Innovative practices adopted in the department:
    - Industry visits planned for students to get the industry exposure
    - Guest lecture conducted for students by expert from industry and institute on various topic from syllabus.

47. Highlight the participation of students and faculty in extension activities.

Sr. No.	Name of activity
1.	Yoga day
2.	Tree plantation
3.	Blood Donation
4.	Personality Development
5.	Constitution Day
6.	Marathi Bhasha Din
7.	Vittiya Sanksharta Abhiyan
8.	Workshop of Sexual Harassment of Women
9.	National Social Scheme Special Camp
10.	Teacher's day
11.	Engineer's day

48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

a. Strengths:

1) Strong Academics
2) Well equipped laboratories
3) Class rooms are well equipped for audio, video aids
4) Well enthusiastic, disciplined & self-motivated staff
5) Student progress-oriented programs are conducted
6) Ethical approach of faculty towards teaching
7) Healthy environment in department
8) Good cooperation & mutual understanding among staff members
9) Proper documentation
10) Departmental library with good collection of books & e- learning material
11) Support to students for national / international publications
12) Support to students for college / inter college cultural activities & sports activities

b. Weaknesses:

1) Less research & development work
2) No Associate Professor & Professor in department
3) Less number of lab assistants
4) Less number of permanent & regular staff
5) Stability of staff is less

6) First class & distinction students are very less
7) Laboratory development process is slow
8) Conducted very less faulty developments programs
9) No National & International level seminars & conferences are organized
10) Lack of motivation for faculty comprehensive development

c. Opportunities:

1) Organization of Technical events
2) Making more MOU's with Industry for training TE & BE student
3) Conduction of Job oriented certificate course
4) Conduction of revenue generation courses
5) Implantation of green energy equipments like solar electricity generator
6) Post graduation course like ME /M. Tech can be started

d. Challenges:

1) Student placement improvement
2) Admission improvement
3) Staff retention
4) Making MOU with Large scale industries

49. Future plans of the department: Closure

a. Long term plans :NA

b. Short term plans:

Increasing Industry Institute Relationship
Center of Excellence
More Training Program for Students

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Head of Department

Date: 22/05/2017

Dean Academics

Date: 22/05/2017

Dean Administration

Date: 22/05/2017

M. I. T. INSTITUTE OF TECHNOLOGY ★ PUNE-47

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Marathwada Mitra Mandal's Institute of Technology

Survey No. 35, Plot No. 5/6, Vadgaon Shinde Road,
Lohgaon, Pune-411047

MMIT/DEPT/2016-17 /31 Date: 16/06/2016

ACADEMIC AUDIT & ADMINISTRATIVE AUDIT REPORT
ACADEMIC YEAR: 2016-2017

(Provide information for last four years from 2012-13 to 2015-16)

A. ACADEMIC AUDIT

1. Name of the Department : Engineering Sciences
2. Year of establishment : 2008
3. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Academic Year	Class	Examination System
2015-16	FE	Semester Pattern with Credit and Grading system
2014-15	FE	Semester Pattern
2013-14	FE	Semester Pattern
2012-13	FE	Semester Pattern

4. Participation of the department in the curriculum development for courses offered by the University.

Sr.	Staff	Particulars
1	Dr. U. P. Moharil	- Paper setting for Engineering Physics – 2008 pattern, 2012 pattern, 2015 pattern - Member of Panel Automation of Question Paper from Question Bank for Engineering Physics – 2015 pattern - Member of Core Committee for question bank (modification and invalid question verification) in Physics Online Phase-I and Phase-II exam – 2012 pattern, 2015 pattern - Moderation for Engineering Physics - 2008 pattern, 2012 pattern, 2015 pattern
2	Mrs. M. A. Alloli	- Paper setting for Engineering Mathematics – I, II, III, - Moderation in UOP examinations
3	Dr. Meena More (2012-2015)	- Member of Core Committee for question bank in Engg Math.-III, SE Civil, Online Phase-I and Phase-II exam - Member of Committee formed for (modification, verification invalid questions reported in Online Phase-I and Phase-II exam of Sem-I, 2013 in SE Civil and SE Mechanical, SE E&TC

5. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 4 years).

Name	Designation	Qualifications	Industry /Research Experience	Nature of appointment
Nil	Nil	Nil	Nil	Nil

6. Percentage of classes taken by temporary/visiting faculty (programme-wise information): - Nil

7. Information about research grants, projects completed and ongoing from National funding agencies (like BCUD, UGC, DST) *(Last 4 Years)*:

Sr.	Name of the Principle Investigator	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
1	Dr. P. B. Lihitkar and Mr. N. S. Pande	Investigation of nano-materials and their polymer nano-composites	BCUD, University of Pune (2012-14)	2.91	Completed successfully
2	Mrs. M. R. Yashwante	Cost reduction & performance improvement in earthing system by various ways	BCUD, University of Pune (2014-17)	1.5	Completed successfully

8. Publications *(Last 4 Years)*:

Sr.	Academic Year	Papers published in peer reviewed journals	SCOPUS Indexing Papers	Web of Science Indexing Papers	Citations	*h*-index	Impact factor range/Average Impact factor
1	2014-15	1	1	Nil	0	0	0.833
2	2015-16	1	1	Nil	0	0	0.30
3	2015-16	1	1	Nil	4	1	0.570

9. Details of patents filed & granted and revenue income generated: Nil

10. Consultancy services provided, name of the teacher/s and income generated: Nil

11. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Sr.	Name of College	Topic	Academic Year	Date
1	AISSMS Institute of Information Technology, Kennedy Road, Pune – 411001	Physics of Semiconductors	2014-15	13/02/2015

12. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.(participant, presented paper, chaired the session) *(Last 4 Years)*:

A.Y.	International			National			International		
	W/S	Confer.	Seminar	W/S	Confer.	Seminar	W/S	Confer.	Seminar
2012-13	--	02	--	05	--	--	--	--	--
2013-14	02	01	--	09	--	--	--	--	--
2014-15	02	01	--	03	--	--	--	--	--
2015-16	--	04	--	--	--	--	--	--	--

Year	Name of the Teachers	Title of the Professional Development Program	Date and Duration (from – to)
2014-15	Mr. Nishigandh Pande	International Conference on Green Route Synthesis of Iron Nanoparticles and Antibacterial Studies	22/02/2015
2014-15	Ms. Meena More	International Conference on Geometric Function Theory and Its Applications (ICGFTA-2014)	18/12/2014-21/12/2014
2014-15	Dr. Shazia R. Shaikh	Annual Conference of RMS 2014	23/06/2014-27/06/2014
2014-15	Mr. Hanmant S. Nayane	A tool for Personal & Professornal Competence	19/06/2014-20/06/2014
2014-15	Mrs. Manjula Alloli	National conference on Engineering Applications of Mathematics	05/06/2014-06/06/2014
2013-14	Mr. Hanmant Nayane	3 days National Level Faculty Development Program on Research Based Teaching & Learning	07/04/2014-09/04/2014
2013-14	Mrs. Meena More	International Symposium on Complex Analysis and Conformal Geometry, IIT Indore	28/12/2013-30/12/2013
2013-14	Dr. Shazia R. Shaikh	Pure and Applied Mathematics	17/12/2013-19/12/2013
2013-14	Mrs. Manjula A. Alloli	Workshop on Engg. Maths-III at K.K.Wagh IEER, Nashik	18/12/2013
2013-14	Mrs. Meena More	Workshop on Engg. Maths-III at K.K.Wagh IEER, Nashik	18/12/2013
2013-14	Ms. Vaishali Patil	National Conference on Pure & Applied Mathematics At COE Pune	17/12/2013-19/12/2013
2013-14	Mr. Nishigandh Pande	International Conference on Advanced Polymeric Materials, at Kerala	11/10/2013-13/10/2013
2013-14	Mrs. Manjula A. Alloli	Two Days State level workshop on Strategies for Performance Outcome Based Engg. Education, At D.Y. Patil IET, Pimpri, Pune	10/10/2013-11/10/2013
2013-14	Dr. Shazia R. Shaikh	Engineering Maths-III	21/06/2013
2013-14	Dr. Prashant B. Lihitkar	Physics for Energy & environment	14/06/2013
2013-14	Ms. Nilofer Sayyed	National conference on Engg Applications of Maths, At MIT Alandi	06/06/2013-07/06/2013
2012-13	Mrs. Manjula A. Alloli	Discrete Mathematics, Algebra & Analysis	21/04/2014-24/04/2013
2012-13	Mr. Hanmant S. Nayane	Innovative Techniques in the Teaching of English Language & Literature	16/03/2013
2012-13	Dr. Shazia R. Shaikh	Discrete Mathematics, Algebra & Analysis	22/12/2012-24/12/2012
2012-13	Mr. Nishigandh Pande	One day workshop on Syllabus Implementation Engg Chemistry for FE, At D.Y. Patil COE, Akurdi, Pune	30/07/2012
2012-13	Mr. Prashant B. Lihitkar	One day workshop on Syllabus Implementation Engg Chemistry for FE, At D.Y. Patil COE, Akurdi, Pune	30/07/2012

13. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr.	Faculty	Name of College	Date	Remark
1	Dr. Umesh P. Moharil	Jaihind College of Engineering, Kuran, Dist. Pune – 410511	12/08/2012	SPPU Staff Selection Committee
2	Dr. Umesh P. Moharil	AISSMS Institute of Information Technology, Kennedy Road, Pune – 411001	04/04/2013	SPPU Staff Selection Committee
3	Dr. Umesh P. Moharil	Sandip Foundation, Nashik	09/05/2013	SPPU Staff Selection Committee
4	Dr. Umesh P. Moharil	Sandip Foundation, Nashik	11/06/2015	SPPU Staff Selection Staff Committee
5	Dr. Umesh P. Moharil	AISSMS College of Engineering, Kennedy Road, Pune – 411001	28/05/2016	Local Staff Selection Committee

14. Details of teachers appointed/nominated on Editorial Boards/Reviewers at university, state, national and international levels - Nil

15. Awards / Prizes and recognitions received by teachers at university, state, national and international level: - Nil

16. Awards and Prizes received by students at university, state, national and international level: - Nil

17. Details of Seminars/ Conferences/Workshops/FDP organized at university, state, national and international level and the source of funding with details: - Nil

Name of Conference/ Seminars / Workshops/FDP	Funding agency	No. of Participants	University/State/National/ International	Dates
Nil	Nil	Nil	Nil	Nil

18. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.:

Academic Year	Sr.	Name of Faculty	Achieved Qualification	Details of Achieved Higher Qualification & Date
2014 - 15	1	Mr. Amar D. Shitole	M.E. (Civil)	From D. Y. Patil School of Engineering, Lohgaon, Pune
2014 - 15	2	Mr. D. T. Rahane	M.E. (Civil)	From D. Y. Patil School of Engineering, Lohgaon, Pune
2015-16	3	Mr. H. S. Nayane	Ph.D.* registration	Selected for Ph.D.in (English) under the guidance of Dr. Shilpa Gauri Ganpule, Ramkrishna More College, Akurdi
2015-16	4	Dr. Meena More	Ph.D.* Awarded	In mathematics from North Maharashtra University, Jalgaon

19. **Curricular Aspects:**

a) Does the department offer program with sufficient no. of electives options?

Students having choice of opting Engineering Physics / Engineering Chemistry and Basic Electronics Engineering / Basic Electrical Engineering in the first / second semesters.

b) While framing curriculum is feed-back taken from stakeholder's viz. Students, Alumni, Parents, Employers considered? *Yes* (Report is available with Dean, Student Affairs)

c) Number of teachers preparing & following Academic Teaching plan: 12

d) Do you offer Bridge/Remedial courses? If yes, Give details.

Slow learners are identified after the University Phase I, Phase II or theory examination on the basis of their performance. Remedial courses are conducted for the students to improve their performance.

20. What is the method for conducting internal evaluation?
Internal evaluation of Term Work is done on the basis of the parameters such as (a) regularity (b) completion of assignments (c) completion of practicals (d) performance in unit tests and term end examination. Term work marks are calculated on a formula-based model.

21. **Teacher Performance:**

a) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers?

The student feedback is taken in a transparent manner and on online system (moodle). The feedback reports are prepared and are discussed with faculties one-to-one by HOD and Principal (if required). The comments/suggestions given by student in the online feedback are shared with faculties.

b) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? *Yes*

c) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the Principal with comments? Yes. Appraisal is carried out for a academic year based on performance evaluation of both semesters. Self-appraisal form is given to the faculties. HOD and Principal evaluate the performance.

d) What is the Departmental Average Appraisal Score _____? How many teachers have Appraisal Score or Grade A, B, C and D?

A.Y.	No. of Faculties in Grade-A	No. of Faculties in Grade-B	No. of Faculties in Grade-C	No. of Faculties in Grade-D
2012-13	02	05	04	02
2013-14	04	07	01	--
2014-15	06	04	--	--
2015-16	06	02	01	--

22. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sr. No	Name of Guest	Organization of Guest	Topic for Guest	Date of Guest Lecture
1	Dr. Amit C. Hiray, Associate Professor	MIT, Academy of Engineering, Alandi, Pune	How to Improve LSRW skills in English	19/09/2012
2	Mr. Ashok Ghuge, Assistant Professor	Navsahyadri Group of Institutes, Pune	Personality Development & Career Guidance	09/02/2013
3	Dr. Bhagwat Biradi, Assistant Professor	MIT Polytechnic, Pune	SWOT Analysis & Goal Setting	10/09/2013
4	Dr. Prashant Mothe, Associate Professor	Adarsh College, Omerga	Common Errors in English communication	30/01/2014
5	Mr. Dashrath Kale, Senior Consultant Specialist, Corpoarate Trainer	HSBC Software Development India Pvt Ltd, Yerwada, Pune	Relevance of Soft Skills in present days	17/09/2014
6	Mr. Ravindra Rahate, Consultant Specialist	HSBC Software Development India Pvt Ltd, Yerwada, Pune	Time Management	06/02/2015
7	Dr. Atul Patil, Assistant Professor	College of Engineering, Pune	Stress Management	08/09/2015
8	Mr, Sunil Patil	Corporate Trainer	Group Discussion & Personal Interview	05/02/2016

B. ADMINISTRATIVE AUDIT

23. Department-wise Student Teacher Ratio *(Last 4 Years)*:

Academic Year	Student-Teacher Ratio
2012-13	13.15
2013-14	13.72
2014-15	14.60
2015-16	13.67

24. Number of teaching posts sanctioned, filled and vacant *(Last 4 Years)*:

Academic Year	**2012-13**		**2013-14**		**2014-15**		**2015-16**	
Designation	**Sanctioned**	**Filled**	**Sanctioned**	**Filled**	**Sanctioned**	**Filled**	**Sanctioned**	**Filled**
Professor	01	--	01	--	01	--	01	--
Associate Professor	03	01	03	01	03	02	03	02
Assistant Professor	12	16	12	13	12	12	12	10
Total	**16**	**17**	**16**	**14**	**16**	**14**	**16**	**12**

25. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary) *(2015-16):*

Sr.	**Name of Faculty**	**Designation**	**Qualifications**	**Teaching/ Research Experience**	**Nature of appointment**
1	Dr. Mohril Umesh Pradip	Associate Professor	Ph.D. Physics	11 Years	Approved
2	Dr. Meena More	Associate Professor	Ph.D. (Maths)	11 Years	Approved
3	Dr. Lihitkar Prashant Baba	Assistant Professor	Ph.D. (Chemistry)	5 Years	Approved
4	Ms. Shaikh Shaziya	Assistant Professor	M.Sc., Ph.D. (Maths)*	11 Years	Approved
5	Mrs. Alloli Manjula Anand	Assistant Professor	M.Sc. (Maths), Ph.D.*	15 Years	Approved
6	Mrs.Yashwante Meghna R	Assistant Professor	M.E. (Electrical Engg.), Ph.D.*	8 Years	Approved
7	Mrs. Deshmukh Leena A.	Assistant Professor	M.E. (Civil Engg.)	12 Years	Approved
8	Ms. Bhise Manisha Devidas	Assistant Professor	M.Tech. (Civil Engg)	09 Years	Approved
9	Mr. Nayane Hanmant S.	Assistant Professor	M.A. (English), M.Phil, Ph.D.*	09 Years	Regular
10	Mr. Amar Devendra Shitole	Assistant Professor	M.E. (Civil)	05 Years	Regular
11	Mr. Nishgandh S. Pande	Assistant Professor	M.Sc. (Chemistry), Ph.D.*	08 Years	Regular
12	Ms. Nilofer U. Sayyed	Assistant Professor	M.Sc. (Maths)	05 Years	Regular

26. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr.	Posts	Sanctioned posts	Filled	Actual
1	Laboratory Assistant	04	--	04
2	Laboratory Attendant	--	--	--
3	Peon	--	--	--

27. Student profile programme-wise at UG and PG *(Last 4 Years)*:

UG	Applications Received	No. of students Admitted	Seats Availabl e	Male	Femal e	Total	Year
UG	221	221	300	181	40	221	2012-13
UG	192	192	240	156	36	192	2013-14
UG	146	146	240	126	20	146	2014-15
UG	112	112	240	98	14	112	2015-16

28. Year-wise results of students at UG:

UG	Year	Appeared	Passed	Pass %	ATKT	ATKT (%)
FE	2012-13	222	62	27.9	105	47.3
FE	2013-14	189	86	45.50	63	43.4
FE	2014-15	145	45	31	69	47.6
FE	2015-16	106	11	10.4	58	54.7

29. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed: N.A.

Year	% proceeded for higher studies		% of students placed
	M. Tech	M.S.	

30. Present details of departmental infrastructural & other facilities with regard to

a) Central Library Books and Journals, etc, relevant to Department :
b) Online (books, journals etc) Subscribed :.
Titles: 498, Volumes: 1673
c) Computers and Internet facilities for staff : 1:1
d) Total number of class rooms : 04
e) Class rooms with ICT facility : 04
f) Students' laboratory : 00
g) Research laboratories : 00
h) Any other facility LCDs : 04

31. Diversity of Students: (Year-wise)

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2012-13	49.77 % (110/221)	50.22 % (111/221)	09 (0.04%)	--

2013-14	55.72% (107/192)	44.27% (85/192)	04 (0.02%)	–
2014-15	48.63% (71/146)	51.36% (75/146)	04 (0.027%)	--
2015-16	40.17% (45/112)	59.82% (67/112)	06 (0.053%)	--

32. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data. : N. A.

33. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies	% of students placed
	UG to PG	
--	--	--

34. Diversity of Faculty:

Teaching faculty	%
from the same university	
from other universities within the State	
from other States	02
from outside the country	--

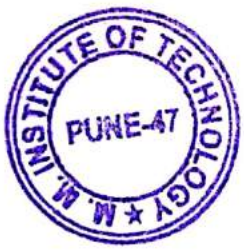
Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the Academic Audit and Administrative Audit committees during the visit.

V P Mohari

Head of Department

Date: 16/06/2016



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"येथे बहुतांचे हित"

Marathwada Mitra Mandal's
Institute of Technology

Internal Quality Assurance Cell (IQAC)

IQAC/ 2017-18 /36 Date: 22/05/2017

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT

A.Y. – 2017-2018

(Provide information for A. Y. 2016-17)

1. Name of the Department : Engineering Sciences & Humanities
2. Year of establishment : 2008
3. Courses conducted in collaboration with Industries and Institutions : Nil
4. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify : Semester / Credit and Grading System
5. Participation of the department in the curriculum development for courses offered by the University.

Sr.	Faculty	Particulars
1	Dr. U. P. Moharil	- Paper setting for Engineering Physics – 2008 pattern, 2012 pattern, 2015 pattern - Member of Panel Automation of Question Paper from Question Bank for Engineering Physics – 2015 pattern - Member of Core Committee for question bank (modification and invalid question verification) in Physics Online Phase-I and Phase-II exam – 2012 pattern, 2015 pattern - Moderation for Engineering Physics - 2008 pattern, 2012 pattern, 2015 pattern
2	Mrs. M. A. Alloli	- Paper setting for Engineering Mathematics – I, II, III, - Moderation in UOP examinations

6. Department-wise Student Teacher Ratio : 11.26
7. Department-wise Purchase Budget and expenditure details :

A.Y.	Proposed Budget (in Rs.)	Expenditure
2016-17	Rs. 57,88,674/- (Incl Salary)	00/-

8. Number of teaching posts sanctioned, filled and vacant

Designation	Sanctioned	Filled	Filled under CAS
Professor	01	--	--
Associate Professor	03	01	--
Assistant Professor	12	08	--
Total	16	09	--

9. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

Sr.	Name	Designation	Qualifications	Teaching/ Research Experience	Nature of appointment
1	Dr. Mohril Umesh Pradip	Associate Professor	Ph.D. Physics	12 Years	Approved
2	Dr. Lihitkar Prashant Baba	Assistant Professor	Ph.D. (Chemistry)	6 Years	Approved
3	Dr. Shaikh Shaziya	Assistant Professor	Ph.D. (Maths)	12 Years	Approved
4	Dr. Amita Gokulchand Pal	Assistant Professor	Ph.D. (Maths)	10 Years	Approved
5	Mrs. Alloli Manjula Anand	Assistant Professor	M.Sc. (Maths), Ph.D.*	16 Years	Approved
6	Mrs.Yashwante Meghna R	Assistant Professor	M.E. (Electrical Engg.), Ph.D.*	9 Years	Approved
7	Mrs. Deshmukh Leena A.	Assistant Professor	M.E. (Civil Engg.)	13 Years	Approved
8	Ms. Bhise Manisha Devidas	Assistant Professor	M.Tech. (Civil Engg)	10 Years	Approved
9	Mr. Nayane Hanmant S.	Assistant Professor	M.A. (English), M.Phil, Ph.D.*	10 Years	Regular

10. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors:

Name	Designation	Qualifications	Industry /Research Experience	Nature of appointment
Nil	Nil	Nil	Nil	Nil

11. Percentage of classes taken by temporary/visiting faculty (programme-wise information): Nil

12. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr.	Posts	Sanctioned posts	Filled	Actual
1	Laboratory Assistant	03	--	03
2	Laboratory Attendant	--	--	--
3	Peon	--	--	--

13. Thrust areas of research as identified by the department:

Sr.	Name of Faculty	Subject	Area of Research
1	Dr. Mohril Umesh Pradip	Physics	CMR Materials
2	Dr. Lihitkar Prashant Baba	Chemistry	Nano Materials, Mesoporous materials, nano-materials, polymer composites
3	Ms. Shaikh Shaziya	Mathematics	Discrete Mathematics
4	Mrs. Alloli Manjula Anand	Mathematics	Fluid Dynamics
5	Mrs.Yashwante Meghna R	Electrical Engineering	Earthing

14. Information about research grants, projects completed and ongoing from National funding agencies (like BCUD, UGC, DST)

Sr. No.	Name of the Principle Investigator	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
1	Mrs. M. R. Yashwante	Cost evaluation and reduction of earthing resistance	BCUD, SPPU, Pune	1.5	2014-17

15. Research facilities available in the department and recognition received, if any? Nil

16. Special laboratories available in the departments: Nil

17. Publications:

Sr. No.	Academic Year	Papers published in peer reviewed journals	SCOPUS Indexing Papers	Web of Science Indexing Papers	Citations	*h*-index	Impact factor range/Average Impact factor
1	2016-17	1	Nil	Nil	0	0	0.681

18. Details of patents filed & granted and revenue income generated : Nil

19. Does the department have Incubation Centre? : **Yes**

20. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated
--	--	Nil	Nil	Nil

21. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.: Nil

22. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session)

A.Y.	International			National			International		
	W/S	Confer.	Seminar	W/S	Confer.	Seminar	W/S	Confer.	Seminar
2016-17	---	01	----	18	01	----	---	----	---

Year	Name of the Teachers	Title of the Professional Development Program	Date and Duration (from – to)
2016-17	Mr. Hanmant S. Nayane	Gandhian Model for rural Reconstruction: Relarance in Present Content	24/03/2017
2016-17	Mr. Hanmant S. Nayane	Use of ICT in Teaching Literature & Social Sciences	04/03/2017
2016-17	Dr. Shazia R. Shaikh	National Conference on Discrete Mathematics	20/02/2017-22/02/2017
2016-17	Mr. Leena Deshmukh	Effective Teaching Methodology in Engg. Machanics	05/01/2017-06/01/2017
2016-17	Mr. Manisha Bhise	Effective Teaching Methodology in Engg. Machanics	05/01/2017-06/01/2017
2016-17	Dr. Prashant B. Lihitkar	Accreditation of Engg. Programs	23/12/2016-24/12/2016
2016-17	Mr. Hanmant S. Nayane	Faculty Orientation Workshop on Employability Skill Development	16/12/2016-17/12/2016
2016-17	Dr. A. G. Pal	Teaching Strategies Syllabus Discusion of Engg. Mathematics-III	16/12/2016
2016-17	Mr. Manjula A. Alloli	Teaching Strategies Syllabus Discusion of Engg. Mathematics-III	16/12/2016
2016-17	Dr. Prashant B. Lihitkar	Accreditation Process for technical Institutions	15/12/2016 - 16/12/2016
2016-17	Mr. Manjula A. Alloli	Appl. of Mathematics in Engg. Stream	26/11/2016
2016-17	Dr. Shazia R. Shaikh	Appl. of Mathematics in Engg. Stream	26/11/2016
2016-17	Mrs. Meghana R. Yashwante	32nd National Convention of Electrical Engineers and National Seminar on Sustainable Development in Indian Power Sector for Next Decade	11/11/2016-12/11/2016
2016-17	Mrs. Meghana R. Yashwante	Cost reduction & performence improvment in earthing System using Various Methods	07/10/2016
2016-17	Dr. Umesh P. Moharil	National Teachers Conference	23/09/2016 - 25/9/2016
2016-17	Dr. Shazia R. Shaikh	Product Modeling Simulation and Manufacturing-2016	09/09/2016 - 10/09/2016
2016-17	Dr. Shazia R. Shaikh	Discrete Mathematics and Applications	9/06/2016 - 11/06/2016
2016-17	Mrs. Meghana R. Yashwante	Faculty orientation Workshop on ' ECM' SE(E&TC)-2016 by	9/06/2016-11/06/2016 (3 days)

23. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr.	Name of College	College Letter No.	Date	Remark
1	Dr. Umesh P. Moharil	AISSMS Institute of Information Technology, Kennedy Road, Pune – 411001	18/05/2017	Local Selection Committee of SPPU
2	Dr. Umesh P. Moharil	Cummins College of Engineering for Women, Karve Nagar, Pune – 411052	15/05/2017	Local Selection Committee of SPPU

24. Details of teachers appointed/nominated on Editorial Boards/Reviewers at university, state, national and international levels. Nil

25. Awards / Prizes and recognitions received by teachers at university, state, national and international level: Nil

26. Awards and Prizes received by students at university, state, national and international level:Nil

27. Details of Seminars/ Conferences/Workshops/FDP organized at university, state, national and international level and the source of funding with details:

Name of Conference/ Seminars / Workshops/FDP	Funding agency	No. of Participants	University/State/National/ International	Dates
Nil	Nil	Nil	Nil	Nil

28. Student profile programme-wise at UG and PG

UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total	Year
Comp	48	48	60	34	14	48	I
E&TC	10	10	60	06	04	10	I
Mech	40	40	120	38	02	40	I

29. Year-wise results of students at UG:

UG	Year	Appeared	Passed	Pass %
FE	2016-17	98	19	19.4%
			50 (ATKT)	50.1%

30. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed: N. A.

31. Present details of departmental infrastructural & other facilities with regard to

a) Central Library Books and Journals, etc, relevant to Department :
b) Online (books, journals etc.) Subscribed :
Titles: 498, Volumes: 1673
c) Computers and Internet facilities for staff : 1:1
d) Total number of class rooms : 03

e) Class rooms with ICT facility : 03
f) Students' laboratory : 04
g) Research laboratories : Nil
h) Any other facility, LCDs : 03

32. Diversity of Students: (Year-wise)

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
FE	39.79% (39/98)	60.20 % (59/98)	06	--

33. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data. : N. A.

34. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed: N. A.

35. Diversity of Faculty:

Teaching faculty	%
from the same university	--
from other universities within the State	77.7
from other States	22.2
from outside the country	--

36. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.:

Sr. No.	Name of Faculty	Achieved Qualification	Details of Achieved Higher Qualification & Date
1	Dr. S. R. Shaikh	Ph.D. (Submitted Thesis)	Submitted Thesis on 8/8/2016 and awarded Ph.D.
2	Prof. H.S. Nayane	Ph.D. Registered, Qualified SET	Registered on 30/03/2016, SET-May 2016
3	Prof. M.A Alloli	Ph.D. Coursework completed	May 2016

37. **Curricular Aspects:**

a) Does the faculty take initiative in curriculum development process?

The syllabus is designed by Savitribai Phule Pune University. The department faculties are involved in

1. Syllabus designing - Dr. U. P. Moharil
2. Online exam question verification & validation – Dr. U. P. Moharil, Dr. S. R. Shaikh
3. Question paper setting (theory, online) – Dr. U. P. Moharil, Mrs. M. A. Alloli
4. Moderation and assessment – All faculties

b) Does the department offer program with sufficient no. of electives options?

The choice of subjects Engineering Physics / Engineering Chemistry and Basic Electronic Engineering / Basic Electrical Engineering is given to students in both semesters as per SPPU guidelines.

c) While framing curriculum is feed-back taken from stakeholder's viz. Students, Alumni, Parents, Employers considered? **Yes.** (Data is available with Dean, Students Affairs)

38. **Teaching-Learning, Evaluation:**

1) Is the faculty imparting innovations in teaching methodology? **Yes**
(Group discussions / Problem solving /models / demos / Home Assignments / Seminar / Debate / Quiz)

2) How many number of teachers preparing Course plan with details of number of lectures to be delivered on each unit of the curriculum : 09

3) Use ICT methods to support lectures: Use of presentations, LCD projectors, video lectures, online exam practice platform (www.MyExamo.com), moodle, social media, etc

4) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality? The department conducts weekly meeting of all faculties. The suggestions given by all faculties are discussed and are implemented after consensus.

5) Does the department have any mechanism to ensure that entire syllabus is completed?
Every 15 days the review is taken in department meeting. Monthly report is prepared for syllabus coverage. Depending on the requirement college after hours, holidays and Sundays are utilized for covering the syllabus.

6) Do you offer Bridge/Remedial courses? If yes, Give details. After every examination, for the subject with weak results and slow learners the remedial classes are organized.

7) What is the method for conducting internal evaluation?
Internal evaluation of Term Work is done on the basis of the parameters such as (a) regularity (b) completion of assignments (c) completion of practical's (d) performance in unit tests and term end examination. Term work marks are calculated on a formula-based model.

39. **Participatory Learning:**

1) Involvements of students in role play, case studies, and puzzle solving: Department is conducting role play, case studies, and puzzle solving to create interest in difficult subjects

2) Sessions on Brainstorming and Panel discussion: Brainstorming and Panel Discussion sessions are conducted regularly for final year students to improve their soft skills.

3) Students Centric activities – Industrial visit, Onsite learning, Internships, MoU with Industries for learning

Place	No. of Students	Year	Date	Details of Industrial Visit / Tour
Science Park, Nigadi	98	2017	14/03/2017 & 15/03/2017	Study tour for the subject Basic Mechanical Engineering as per requirement of SPPU syllabus.

4) Students Personality Development: Mock Interviews, Competitions etc.: Nil

40. **Quality of the Students:**

1) Mechanism for Identification of Advanced Learners and slow learners

Institution identifies slow learners and advanced learners on the basis of qualifying marks and established procedure. Students learning levels are evaluated based on performance of the students in internal evaluation like unit test, on-line practice test and external evaluation of University like In-SEM, on-line and theory examinations. On the basis of results fetched, institution recognizes the slow and advanced learners.

2) Year wise Performance in Unit Test I/Unit Test II/ Viva/Term Work

Unit Tests I, II are conducted on the days of Phase I, II online examinations of SPPU for the same subject. Immediately after completion of the examination, discussion and difficulty session for around 1 hour is organized. Teachers interact with student and solve their difficulties. The data is available with Ms. M. D. Bhise (Coordinator)

3) Year wise Performance in University IN SEM /END SEM Exams

UG	Year	Appeared	Passed	Pass %	ATKT	ATKT (%)
FE	2012-13	222	62	27.9	105	47.3
FE	2013-14	189	86	45.50	63	43.4
FE	2014-15	145	45	31	69	47.6
FE	2015-16	106	11	10.4	58	54.7
FE	2016-17	96	19	19.4	50	50.1

4) Participation in Skill Development Courses:

Department organized a seminar on Life Skills (Motivation and Study encouragement) by Mr. Balaji Jadhav, Mr. A. Chaware on 26th October 2017 for First Year Students.

5) Participation in Co-Curricular / Extra Curricular Activities: Nil

41. **Teacher Performance:**

a) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers?

The student feedback is taken in a transparent manner and on online system (moodle). The feedback reports are prepared and are discussed with faculties one-to-one by HOD and Principal (if required). The comments/suggestions given by student in the online feedback are shared with faculties.

b) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? **Yes**

c) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the Principal with comments?

In every academic year, faculty appraisal is carried out based on performance evaluation of both semesters. Evaluation is done based on three parameters (a) students feedback (b) results of examination (c) appraisal. A self appraisal report is given to faculty followed by verification by HOD and Principal.

d) What is the Departmental Average Appraisal Score _____? How many teachers have Appraisal Score or Grade A, B, C and D? ***In Process***

e) What is the individual faculty wise h index? Nil

42. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sr.	Name of Guest	Organization of Guest	Topic for Guest	Date of Guest Lecture
1	Mr. Nitin Pote, Assistant Professor	Government Polytechnic College, Chandrapur	Use of Free web-based applications for English communication	24/08/2016
2	Dr. Pritam Thakur, Assistant Professor	Vidya Prathisthan college, Indapur	Effective communication Skills in English	08/02/2017

43. How does the department ensure that DEPARTMENT VISION and MISSION statements are constantly met and learning outcomes are monitored?

CO-PO mapping is carried out after assessment of performance of students on the basis of (a) Internal Examinations (b) Unit Tests (c) Term End Examination (d) Online Examinations (e) University Examinations. Depending upon the outcomes of assessment, it is ensured that vision and mission are achieved.

44. Highlight the Special facilities (if, any) of the Department.

The classrooms are specifically designed in hexagonal way and with increasing steps arrangement to have maximum interaction with students

45. Highlight the unique features of the department.

Well experienced faculties with average teaching experience of more than 10 years. Four faculties are Ph.D. and three faculties are pursuing Ph.D.

46. State the Innovative practices adopted in the department.

Special difficulty solving sessions are arranged for a group of students of a batch. Teacher interacts with every student, identifies the difficulties in the subject takes corrective action wherever required.

47. Highlight the participation of students and faculty in extension activities.

Sr.	Date	Time	Venue	Name of Events
1	27 /10/ 2017	9.30 am to 2 pm	MMIT Campus and Wadgaon Shinde Village, Pune	Swacchta Hi Seva 2017

48. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:
Experienced faculties, 4 Ph.D., 3 Pursing, Average experience more than 10 years, stable and dedicated faculties

Weaknesses:
Reduction in admission, less number of meritorious students, all clear results is less

Opportunities:
To improve the overall results,

Challenges:
Overall reduction in declining trend of engineering admissions

49. Future plans of the department:

Long term plans
Overall development of students in best possible way

Short term plans
Concentrate on immediate next examinations for best possible results

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

VPMohan

Head of Department

Date: 22/05/2017

Dean Academics

Date: 22.05.2017

Dean Administration

Date: 22/05/2017

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