



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

1. Name of the Institution	FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY
Name of the head of the Institution	Dr. Kaushal K. Prasad
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09371295793
Mobile no.	9819125676
Registered Email	naac@famt.ac.in
Alternate Email	principal@famt.ac.in
Address	P60, P60-1, MIDC, Mirjole Block, Ratnagiri, Maharashtra
City/Town	Ratnagiri
State/UT	Maharashtra
Pincode	415639

<b>2. Institutional Status</b>																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Rural																
Financial Status			Self financed																
Name of the IQAC co-ordinator/Director			Dr. Yogesh G. Mulye																
Phone no/Alternate Phone no.			09422564621																
Mobile no.			9284723936																
Registered Email			iqac@famt.ac.in																
Alternate Email			yogesh.mulye@famt.ac.in																
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)			<a href="https://famt.ac.in/wp-content/uploads/2018/11/MHCOGN102006.pdf">https://famt.ac.in/wp-content/uploads/2018/11/MHCOGN102006.pdf</a>																
<b>4. Whether Academic Calendar prepared during the year</b>			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="http://famt.ac.in/wp-content/uploads/2021/08/AC_2018_19.pdf">http://famt.ac.in/wp-content/uploads/2021/08/AC_2018_19.pdf</a>																
<b>5. Accrediation Details</b>																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>1</td> <td>B++</td> <td>2.84</td> <td>2019</td> <td>28-Mar-2019</td> <td>27-Mar-2024</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	2.84	2019	28-Mar-2019	27-Mar-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B++	2.84	2019	28-Mar-2019	27-Mar-2024														
<b>6. Date of Establishment of IQAC</b>			19-Dec-2015																
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td>Slow and Fast Learners</td> <td>10-Jan-2018</td> <td>1620</td> </tr> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	Slow and Fast Learners	10-Jan-2018	1620					
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
Slow and Fast Learners	10-Jan-2018	1620																	

	365	
Instructions and guidelines for organizing programs and courses to committees	31-Jan-2018 365	106
Instructions, guidelines, checklists and templates to maintain proofs for departments and committees	12-Jan-2018 365	106
Instructions and guidelines for organizing programs and courses to departments	12-Jan-2018 365	46
Implementation of Academic Audit	25-Oct-2019 5	8
<a href="#">View File</a>		

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

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

Instructions and guidelines for organizing programs and courses to departments and committees

Instructions, guidelines, checklists and templates to maintain proofs for departments and committees

System for Identifying and taking efforts on Slow and Fast Learners

Academic Audit

[View File](#)

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

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
No Files Uploaded !!!	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
College Development Comittee	26-Mar-2021

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

Yes

Date of Visit

25-Mar-2019

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

Yes

Year of Submission

2018

Date of Submission

29-Dec-2018

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

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

The institute has MIS in operation, this MIS has two main modules 1. Administration and 2. Academics Under administration module following modules are operational 1. Establishment : Employee database is maintained through this module 2. User: User login id for employee and students is created through this module. Various roles are

assigned to particular login using this module 3. Account: Details related to tuition fees, Hostel fees, Exam fees are stored in the system through this module 4. Fees: All fees are collected through this module. 5. SMS and Email: SMS and Email to all faculty, staff and student can be sent through this module. 6. Student: New Admission, Student Listing, Branch Transfer, Academic Status activities like these are carried out 7. Certificate: Different types of certificates are issued 8. Leave management: Leave application, substitute request, approval of leave, Gate Pass approval 9. Reports: Various reports are generated through this module. e. g. Student details report, Provisional admission report, Category wise Student Strength, Gender wise strength, First Year Admission Analysis Report, Hostel Fee Collection, Paying Category wise strength, Employee Details Report, Fee Collection Report, Miscellaneous Fee Collection, Due Fee Report, Bank Reconciliation Report, Exam Fee collection Report, Exam Fee collection consolidated Report, Revaluation / Photocopy Fee Collection report etc Under the Academics module following modules are operational 1. Teacher Module: Activities like assigning division to students, division transfer, assigning Roll No, assigning batch to student, batch transfer, assigning subjects to the teacher, assigning batch to the teacher, teaching Plan, practical plan, attendance sheet, marking daily attendance, assigning mentor, continuous assessment, Internal Assessment marks entry are carried out through this module 2. Faculty Data: Data related to faculty achievements, research publication, conference, published books, etc can be stored here. 3. Time Table: Master, classwise, individual time tables are created by using this module 4. LMS: Study material, Assignments are shared with students using this module 5. Feedback: Students feedback about teachinglearning is collected using this module 6. Reports: Attendance sheets, Class wise attendance, Subject wise attendance, Lesson Plan, Practical plan, Internal assessment marks, term

work marks, all these reports are generated using this module.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

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

Before commencement of semester, the institute conducts ? In the meeting with Principal, Academic Dean, All HoDs, semester plan is decided and accordingly academic calendar is prepared. ? Budgets are invited from all departments for purchase of laboratory equipment's and the upgradation ? Preparation of the institute academic calendar by Academic Planning Committee and department academic calendars by department coordinators and display of same on website ? Teaching plan for every course is prepared according to the calendar and displayed on the notice board by respective faculty member. ? As part of OBE- division of the course contents into 6 modules, module-wise definition of course objectives/outcomes, COs-POs mapping and definition of expected level of learning using Bloom's taxonomy. ? Institute has separate software(ERP )for continuously monitoring academic activities, it is also monitored by HoD, and Dean Academics ? Every faculty member has to maintain a course file for respective course which comprises of lecture notes, previous university question papers, feedback from the students, course survey. ? Notification about commencement of classes on the website and notice boards ? Need based bridge courses are conducted to fill in the gap in the academics ? Commissioning of laboratories after ensuring proper functioning of equipment by conducting trial experiments/software installations ? Departmental Advisory Board ( DAB) members are selected/ finalised with one experienced academician, one industry executive, HoD of respective department, Two senior faculty members and class representative from respective classes. During semester ? Smooth execution of teaching learning along with various co/extra- curricular activities is ensured by commencement of classes one week before the date prescribed by affiliating university ? Meeting of DAB is planed to take review of academics and suggestions are welcomed by the panel members to improve the academic growth of students ? Discussion of course syllabus, objectives, outcomes, assignments and relevant books ? Identification of slow and advanced learners is done by class teachers twice in a semester and corrective measures are taken by subject teachers ? Class/laboratory assignments are communicated to the students at regular intervals through email, continuous evaluation is done based on rubrics ? Monthly teaching - learning review report taken by HoDs and submitted to Dean Academics ? Display of cumulative monthly attendance of students and counseling of students with less attendance by mentor/class teacher/HoD ? Two internal assessment examinations in each semester are conducted by each department on behalf of affiliating university and evaluation and discussion of performance by teachers with the students is done ? Online feedback by students related to teaching- learning is taken twice a semester and remedial measures are taken to improve performance of teachers ? Use of conventional, student centric, ICT, innovative techniques by teachers for effective delivery At the end of semester ? Subject specific remedial classes are conducted for slow learners ? Course survey is conducted ? Calculation of CO-PO attainment and its analysis is done ? Academic audit of each department is conducted by Dean Academics

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of	Duration	Focus on employ	Skill
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Introduction	ability/entrepreneurship	Development
No Data Entered/Not Applicable !!!		

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
No file uploaded.		

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Chemical Engineering	01/07/2018
BE	Electrical Engineering	01/07/2018
BE	Electronics Engineering	01/07/2018
BE	Electronics and Telecommunication Engineering	01/07/2018
BE	Information Technology	01/07/2018
MCA	Master of Computer Applications	01/07/2018
BE	MECHANICAL ENGINEERING	01/07/2018

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

	Certificate	Diploma Course
Number of Students	640	Nil

## 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Network Associate Training Program	29/08/2018	61
Four days Add-on course on 'Python Programming and Raspberry Pi'	28/02/2019	24
Cross platform/Hybrid Mobile App Development	24/09/2018	26
<a href="#">View File</a>		

### 1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Electronics and Telecommunication Engineering	39
BE	Chemical Engineering	26

BE	Information Technology	21
BE	Electrical Engineering	100
BE	Electronics Engineering	19
BE	MECHANICAL ENGINEERING	130
MCA	Master of Computer Applications	9
<a href="#">View File</a>		

#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The purpose of feedback Policy is to provide a framework for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute's curriculum for use in program evaluation, accreditation and other academic quality assurance processes and activities. The scope of feedback Policy covers all the programs run by Institute Specifically, this Policy provides a framework for:</p> <ol style="list-style-type: none"> <li>1. Monitoring and improving the quality of students' learning experiences through the timely collection, analysis and reporting of student feedback concerning teaching, learning and assessment.</li> <li>2. Providing students and stakeholders with the opportunity to actively participate in the continual improvement of programs.</li> <li>3. Recognizing, documenting, supporting and extending good practices for effective implementations of curriculum provided by affiliating University.</li> <li>4. Ensuring the provision of information to students and stakeholders regarding the consideration of feedback collected over time, including actions taken to address concerns raised in any feedback received.</li> <li>5. The institute has developed its own inhouse software to collect feedback from students for two times in every semester, where students has to judge the faculty member on eight different attributes on a scale of 1 to 5. The faculties individual score is compared with average score of all faculty members again on the scale of 1 to 5.</li> <li>6. The Feedback Coordinator and Departmental Feedback Committee member are jointly responsible for the collection, analysis and reporting of stakeholder feedback relating to academic programs.</li> <li>7. The feedback committee the send copy of each individual faculty feedback to the respective HOD through email and through departmental feedback committee member.</li> <li>8. HOD then analyses feed back of each individual faculty member the faculty member who scores below 3 in any attribute is called for a meeting, Hod suggests some e changes in teaching methods to improve the score in second feedback. If the faculty continuously scoring below three then it is reported to higher authorities.</li> <li>9. The institute has separate committee to interact with alumni, a senior faculty member is appointed as the alumni In-charge, one member form each department, the committee continuously in touch with the alumni, shares a google form every year to receive feedback from alumni for the improvement of the institute.</li> <li>10. The institute also arrange parents meet for every class to receive feedback from the parents.</li> <li>11. A feed back form is also shared with the employers where</li> </ol>



students got placed to receive their feedback about students. 12. All the feedbacks received from various stakeholders are summarized and analysis is carried out at department level. Recommendations made from the feedback comprise, recommendations to Board of studies for changes in the syllabus of the university and the suggestions made to management on procurement of facilities and equipments. Recommendations received from the heads are discussed in HODs meeting and forwarded to management for approval/sanctions. The whole objective of the this policy is effective implementation of Curriculum for better learning and continuous improvement of the processes and practices.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	Mechanical (Machine Design)	18	10	5
MCA	Master of Computer Applications	30	56	26
BE	Chemical Engineering	30	102	19
BE	Electronics & Telecommunication Engineering	60	125	52
BE	Information Technology Engineering	60	164	52
BE	Mechanical Engineering	120	254	126
BE	Electronics Engineering	30	76	9
BE	Electrical Engineering	60	149	61

[View File](#)

### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1620	75	99	7	106

### 2.3 – Teaching - Learning Process

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

Number of	Number of	ICT Tools and	Number of ICT	Numberof smart	E-resources and
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Teachers on Roll	teachers using ICT (LMS, e-Resources)	resources available	enabled Classrooms	classrooms	techniques used
106	106	15	10	Nil	12
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

FAMT pursues the practice of student- centric education and contrives a variety of mechanisms to facilitate the all- round development of students. Mentorship committee is one of such mechanisms. The motto behind establishing the student mentoring system was the thought that a student does not only need the training confined to the curriculum from an educational institute, but he needs answers to all his queries, opportunities to share and get solved the problems, encouragement and guidance for his future needs. Thus, students need mentoring as well as counselling. This committee creates a platform for a healthy interaction between students (mentee) and teachers (mentors) regarding academic problems as well as progress. The students are distributed in the groups of twenty and are allocated to the respective mentors who are the teachers of that department. The mentor and mentee ratio does not exceed 1:20. All the teachers teaching in each department have the mentees from their own department. In the hierarchy of the mentorship committee, central mentorship committee coordinator communicates with the departmental coordinators of the mentorship committee and further the information flows to all the mentors of the respective departments. The mentees are asked to fill all the details in the mentorship forms which are further verified by the authorities. The record of all the mentees is kept with the respective mentors through the mentorship forms. The record of the personal details, academic progress of the students, their attendance, their participation in co and extra-curricular activities is maintained through those mentorship forms. Those forms even have the records of mentor-mentee interactions which are conducted on monthly basis. Through those interactions, mentors discuss about the academic progress and other skills of the mentees and guide them for their academic and overall betterment. The mentees discuss their problems with the mentors and if needed, they even mention those problems in the mentorship forms provided. Then the mentors try to convey the problems of the mentees to the concerned persons and resolve them through proper channel.

The strengths and weaknesses of the mentees are understood through personal interactions and the weaknesses are rectified. Along with the boosters for the academic development of the mentees, the mentors even encourage and motivate the mentees to participate in co and extra- curricular activities for their versatile development. In this way, the student mentoring system at FAMT understands, encourages, motivates the students and facilitates better opportunities to them for their future progression, understanding their strengths and weaknesses.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1620	106	1:15

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
89	106	6	6	9

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Ms. Vrishali V. Nimbalkar	Assistant Professor	Top 1 with 92 marks and Gold medal in NPTEL course conducted by IIT Madras for

			subject Switching Circuits and Logic Design
2018	Mr. Rahulkumar Tivarekar	Assistant Professor	Top 5 with 71 marks and Elite Certificate in NPTEL course conducted by IIT Madras for subject Introduction to Coding Theory
2018	Mr. Ashish B. Vartak	Assistant Professor	Silver Medal in NPTEL course conducted by IIT Madras for subject Joy of Computing using Python
2018	Dr. Vinayak A Bharadi	Associate Professor	Letter of appreciation for reviewing manuscript # Access-2019-00236 entitled Improved time-frequency features and electrode placement for EEG-based biometric person recognition for IEEE Access.
2018	Dr. Vinayak A Bharadi	Associate Professor	Recognized as Micorsoft Technology Associate in the subject : Introduction to Programming using JavaScript (April 2019)
2018	Mr. S. V. Jadhav	Assistant Professor	Gold medal in NPTEL examination for subject Introduction to R software Conducted by IIT kanpur
2018	Dr. S V Chougule	Associate Professor	Gold Medal in NPTEL course conducted by IIT Khargapur for subject Digital Image Processing
2018	Rashmi R Kulkarni	Assistant Professor	Topper 1 and Gold Medal in NPTEL course conducted by IIT Khargapur for

			subject Switching Circuit and Logic Design
2018	Miss. H. U. Salvi	Assistant Professor	Topper 5 . Elite Grade in NPTEL course conducted by IIT for subject Introduction to Internet of Things
2018	Mr.Santosh V Jadhav	Assistant Professor	Got recognition as Author for writing a book on C programming What is C, A quick Guide to C Programming published by Narosa Publishing House in May 2019
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	320029310	VIII/BE	24/05/2019	05/07/2019
BE	320037610	VIII/BE	24/05/2019	12/07/2019
BE	320061210	VIII/BE	24/05/2019	12/07/2019
BE	320024610	VIII/BE	24/05/2019	03/07/2019
BE	320037210	VIII/BE	24/05/2019	06/07/2019
MCA	320024110	VI/TYMCA	05/07/2019	20/08/2019
BE	320050710	VIII/BE	30/05/2019	11/07/2019
ME	320061910	IV/SY ME	16/04/2019	13/08/2019
<a href="#">View File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute is affiliated to University of Mumbai (UoM) and follows CBCGS from AY 2016-17 as compared to previous CBGS. Continuous Internal Evaluation (CIE) at the institute level has progressively evolved to the present state where teachers uniformly divide every course into 6 modules, outcomes for each module are defined, mapping of COs -POs is done and the learning levels expected to be achieved by students during each module are decided using Bloom's Page 34/118 22-11-2018 06:06:40 taxonomy. The detailed lesson plan is developed accordingly. Course - wise percentage attainment of outcomes is calculated based on the Internal Assessment (IA) exams - I II, term work, student's feedback, course survey, and end semester result. Students knowledge is assessed through term work. Separate assignments are given to the separate groups of students to avoid repetition and copying of answers. Those are assessed through online quiz using rubrics developed which evaluates every assignment /experiment out of 10 marks. It is further divided as technical

understanding through objective questions for 06 marks, 02 marks for neatness and 02 marks for punctuality. The results of the evaluation are immediately made available to the students. Departments conduct IA exams twice in a semester with a uniform pattern of question papers, COs and expected learning levels are communicated to the students through IA question papers. Answer sheets of IA tests are corrected within one week and performance is discussed with the students. Any issue related to the assessment is rectified and reflected in marks as applicable. The level of learning (slow and advanced) of every student is identified using a robust framework by considering performance over three semesters including the current semester, as well as based upon IA - I II itself. Additional assignments are given and remedial classes are conducted for students with an examination in view. Analysis of all results is done by the institute level committee and presented to HoD for corrective measures. Projects are assessed by a panel of teachers based upon rubrics developed. Program exit surveys are conducted to get students feedback about the attainment of program outcomes.

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

Timeliness is the essential characteristic to become successful and FAMT adheres this strictly. FAMT has an Academic calendar Committee which takes input from all the departments and decides the schedule for teaching-learning, internal assessment examinations and other co and extra- curricular activities. FAMT being affiliated to University of Mumbai, receives guidelines regarding commencement of new semester, working days in a semester, conduction of oral, practical and examinations and Central Assessment Process. Further following the guidelines of the university and in consultation with the Principal, the Academic Planning Committee prepares the Central Academic Calendar for the whole institute which is further sent to the departments for the modifications if needed. The final copy of the Central Academic Calendar is shared with all the departments for further preparation of Departmental Academic Calendar and scheduling of departmental activities. Principal, Deans and HoDs conduct regular meetings to monitor the execution and progress of different activities, such as - review of syllabus coverage in theory and practical, mentorship meetings, IA examinations etc. Value added programs, add on courses, industrial visits, training programs, workshops, extension and outreach activities are planned at department level and conducted as per department academic calendar. Adherence of the departments to academic calendar is reviewed, during academic Audit.

## 2.6 – Student Performance and Learning Outcomes

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

<https://famt.ac.in/peos-pos-psos/>

### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
320029310	BE	Electrical Engineering	76	66	86.84
320037610	BE	Electronics Engineering	46	45	97.83

320061210	BE	Mechanical Engineering	145	126	86.90
320024610	BE	Information Technology Engineering	73	69	94.52
320037210	BE	Electronics & Telecommunication Engineering	85	79	92.94
320024110	MCA	Master of Computer Applications	12	12	100.00
320050710	BE	Chemical Engineering	35	32	91.43
320061910	ME	M.E. Machine Design	1	1	100.00
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

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

[https://famt.ac.in/NAAC\\_Documents/agar/2018-19/Criteria2/2018-19-SSS.pdf](https://famt.ac.in/NAAC_Documents/agar/2018-19/Criteria2/2018-19-SSS.pdf)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	ASHRAE Mumbai Chapter	0	0
Industry sponsored Projects	365	Amazon AWS Educate	2.7	2.7
Minor Projects	365	University of Mumbai	0.25	0.1
<a href="#">View File</a>				

### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
India First Leadership Talk Series - A Webinar by Shri. Anand Mahindra, Chairman, Mahindra Group	Research Development and Consultancy Committee	08/01/2018
Two days workshop on IPR for Faculty members,	Research Development and Consultancy Committee	15/03/2019

Librarian and PG Students of FAMT		
One day workshop on IPR for UG Students of FAMT	Research Development and Consultancy Committee	15/03/2019
India First Leadership Talk Series - A Webinar on Future of Technical Education in India	Research Development and Consultancy Committee	22/04/2019
A Webinar on IPR for Students and Faculty	Intellectual Property Right (IPR) Cell Committee	10/01/2019
Three Days Entrepreneurship Awareness Program	Innovation and Entrepreneurship Development Cell	13/03/2019
Seminar on IoT	Electronic and Telecommunication	21/08/2018
Network Associate Training Program	Electronic and Telecommunication	29/08/2018
Guest Lecture on Computer Networking	Electronic and Telecommunication	31/08/2018
Seminar on Introduction to Python Programming and Raspeberry Pi	Electronic and Telecommunication	31/01/2019
Add on course on Python Programming Raspeberry Pi	Electronic and Telecommunication	28/02/2019
Seminar on Payment Solutions	Information Technology	25/08/2018
Seminar on Latex: A document preparation system	Information Technology	02/02/2019
Workshop on technical paper presentation	Information Technology	03/10/2018
Seminar on Block chain and Ethereum	Information Technology	01/09/2018
Seminar on Hybrid Mobile App Development	Information Technology	21/08/2018
Workshop on Cross platform/Hybrid Mobile App Development	Information Technology	24/09/2018

### 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Shadow Head (Robotic Shadow)	Mr. Chevekar Ameya Sushil	Mumbai University	30/04/2019	Consolation Rank
Shadow Head (Robotic Shadow)	Mr. Katalkar Anup Harishchandra	Mumbai University	30/04/2019	Consolation Rank
Shadow Head (Robotic	Mr. Waingankar	Mumbai University	30/04/2019	Consolation Rank



Shadow)	Bhushan Pramod			
First Prize at ISHRAE NSDC 2019	Rushikesh Dale and Parth Makadia	National Student Design Competition (NSDC) National Competition held under ACREX 2019 by ISHRAE Students Chapter at Mumbai	02/03/2019	Nill
All India First Rank in National Technocrat Electric Go-kart Racing Championship 2019	Team Matador	Technocrat Institute of Technology in association with the Society of Automotive Engineering, India.	28/02/2019	Nill
2nd Position in Technical Paper Presentation Competition	Shridhan Panchal Soham Zapadekar	Gharada Institute of Technology, Khed	16/03/2019	Nill
Exceptional contribution as a Student Branch Advisor	Prod. Hemant Vasant Chavan	ASHRAE Mumbai Chapter	21/06/2019	Nill
FAMT Won at State Level Project Presentation Competition	Pratik Kambli Nikhil Kule Rahul Kharat	Gogate Jogalekar College, Ratnagiri	06/10/2018	Nill
All India 4th Rank in dynamic round	Team Saurveg	Dynamist Motorsports, New Delhi	25/02/2019	Nill
AIR 1st in Virtuals along with AIR 1st in Business presentation	Team Saurveg	Dynamist Motorsports, New Delhi	25/02/2019	Nill
<a href="#">View File</a>				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
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0	41	0
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### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical	4	Nill
International	Electronic and Telecommunication	1	7.95
International	Electronics	5	5.87
International	Information Technology	15	7.95
International	Chemical	5	6.36
International	First Year	3	6.11
National	First Year	1	Nill
<a href="#">View File</a>			

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

Department	Number of Publication
First Year	4
Chemical	1
Information Technology	10
Electronics	1
Electronics Telecommunication	1
Electrical	3
Mechanical	4
<a href="#">View File</a>	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Effect of oxy-hydrogen blending with gasoline on vehicle performance parameters and optimi	Dr. Milind Yadav	Journal of the Chinese Institute of Engineers	2019	Nill	Finolex Academy of Management and Technology	6

	zation using response surface methodology						
	Dynamic retail pricing for load serving entity under significant renewable energy penetration	Dr. Sandeep Chawda	2018 8th IEEE India International Conference on Power Electronics (IICPE), 13-15 Dec. 2018	2018	1	MNIT Jaipur	2
	Multi-Wavelet Transform-Video Encoding for Content Protection With Secret Key	Mr. Suraj A. Shete, Mr. Vinayak D. Chavan, Mr. Rahulkumar P. Tivarekar	Journal of Emerging Technologies and Innovative Research	2018	0	FAMT, Ratnagiri	Nill
	Comparison of different Image compression Techniques : A Review	Mr. Suraj A. Shete, Mr. G.G.Bhide, Mr. M.A.Jadhav, Mr. A.B.Vartak	International Journal for Research in Engineering Application Management (IJREAM)	2018	0	FAMT, Ratnagiri	Nill
	Anti-Photography System for Photography Prohibited Area	Mr. Suraj shinde, Ms. Padmaja Bhole, Ms. Anagha Nagale, Mr. M.A. Jadhav	International Journal of Management , Technology And Engineering	2018	0	FAMT, Ratnagiri	Nill
	Smart Helmet for Accident Detection and Prevention	Mr. Tabish Patvi, Mr. Tazim Madre, Mr. Ishan Hodekar, Ms. Vrishali V.	International Journal Of Management , Technology And Engineering	2018	0	FAMT, Ratnagiri	Nill

	Nimbalkar					
VOICE CONTROL MUSIC SYSTEM USING RASPBERRY PI	Ms. Rukhsar Jamadar, Ms. Snehal Patil, Ms. Sayama Solkar, Mr. Sandeep Nalage	Journal of Emerging Technologies and Innovative Research	2018	0	FAMT, Ratnagiri	Nill
HARDNESS REDUCTION OF SEA WATER	Ms. Bhakti S, Khanvilkar, Ms. Shweta L.Desai, Mr. Swapnali N .Tendulkar, Mr. R. P .Tivarekar, Mr. S. R. Nalage	Journal of Emerging Technologies and Innovative Research	2018	0	FAMT, Ratnagiri	Nill
Multi-modal Biometric Recognition using Human Iris and Dynamic Pressure Variation of Handwritten Signatures	Dr. Vinayak A Bharadi	Published: Oct 2018 in Fifth International Conference on Social Networks Analysis, Management and Security (SNAMS)	2018	1	FAMT, Ratnagiri	3
Biometric authentication as a service (BaaS): A NOSQL database and CUDA based implementation	Dr. Vinayak A Bharadi	Proceedings - 2019 5th International Conference on Computing, Communication Control and Automation, ICCUBEA 2019, 2019, 9129570	2019	1	FAMT, Ratnagiri	1

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### 3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Response Surface Methodology (RSM) Based Optimization of Engine Operating Parameters Fuelled with Blends of Diesel and Oxy-Hydrogen Gas	Dr. Milind Yadav	International Journal of Mechanical Mechatronics Engineering	2018	2	1	Finolex Academy of management Technology
Flame dynamics in a stepped micro-combustor for non-adiabatic wall conditions.	Mr Malhar Dilip Malushte	Thermal Science and Engineering Progress	2019	1	1	IIT Bombay
Dynamic retail pricing for load serving entity under significant renewable energy penetration	Dr. Sandeep Chawda	2018 8th IEEE India International Conference on Power Electronics (IICPE), 13-15 Dec. 2018	2018	5	2	MNIT Jaipur
Multi-Wavelet Transform-Video Encoding for Content Protection With Secret Key	Mr. Suraj A. Shete, Mr. Vinayak D. Chavan, Mr. Rahulkumar P. Tivarekar	Journal of Emerging Technologies and Innovative Research	2018	Nill	Nill	Finolex Academy of management Technology
Comparison of	Mr. Suraj A. Shete, Mr.	International Journal	2018	Nill	Nill	Finolex Academy of management

different Image compression Techniques : A Review	G.G.Bhide, Mr. M.A.Jadhav, Mr. A.B.Vartak	for Research in Engineering Application Management (IJREAM)				Technology
Smart Helmet for Accident Detection and Prevention	Mr. Tabish Patvi, Mr. Tazim Madre, Mr. Ishan Hodekar, Mrs. Vrishali V. Nimbalkar	International Journal Of Management , Technology And Engineering	2018	Nill	Nill	Finolex Academy of management Technology
Multi-Modal Biometric Recognition Using Human Iris and Dynamic Pressure Variation of Handwritten Signatures	Bharadi, V., Pandva, B., Cosma, G.	2018 5th International Conference on Social Networks Analysis, Management and Security, SNAMS 2018, 2018, pp. 233-238, 8554960	2018	3	Nill	Finolex Academy of management Technology

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	31	Nill	4
Presented papers	5	Nill	Nill	Nill

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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
STEM activity No.01	ISHRAE Thane Chapter	1	85
International Womens Day	Students Chapters (ISHRAE)	4	34

Book Fair Event	MESA. FAMT	1	100
Ek Raakhi Sainikansathi	MESA, FAMT	1	32
Beach cleaning Campaign	Students Chapters (ISHRAE, ASHRAE, FSAI)	1	130
online PANCARD Drive	MESA (FAMT), ISHRAE	1	50
Planet or plastic, an awareness program by MESA	MESA, FAMT	1	16
A Street Play on 10 Years of Challenges for Environmental Issues (Nature Club)	Nature Club	1	10
Nature Club Held an Exhibition on Flora Fauna of Konkan	Nature Club	1	10
Plantation Programme	Nature Club	1	12
<a href="#">View File</a>			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
STEM K12 activity No.01-Science for all	Appreciation letter	Principal of the school	98
STEM K12 activity No.02	Appreciation letter	Principal of the school	76
STEM K12 activity No.03	Appreciation letter	Principal of the school	103
STEM K12 activity No.04	Appreciation letter	Principal of the school	39
STEM K12 activity No.05	Appreciation letter	Principal of the school	143
STEM K12 activity No.06	Appreciation letter	Principal of the school	123
STEM K12 activity No.09	Appreciation letter	Principal of the school	69
STEM K12 activity No.10	Appreciation letter	Principal of the school	33
all student extension activities	Appreciation letter	Principal of the school	600

Planet or Plastic	Appreciation letter	Principal of the school	16
<a href="#">View File</a>			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Technical Awareness	Mechanical Engineering Students Association, FAMT, Ratnagiri.	Mechno Fiesta Autozion	6	599
Social Awareness	Mechanical Engineering Students Association, FAMT, Ratnagiri.	Online Pancard Drive	1	50
Technical Awareness	Mechanical Engineering Students Association, FAMT, Ratnagiri.	Book Fair Event	1	100
Social Awareness	Mechanical Engineering Students Association, FAMT, Ratnagiri.	Ek Rakhi Sainikansathi	1	32
Social Awareness	Mechanical Engineering Students Association, FAMT, Ratnagiri.	Planet or Plastic	1	16
Social Awareness	Mechanical Engineering Students Association, FAMT, Ratnagiri.	International Womens day	4	34
Swachh bharat	ISHRAE Thane Chapter ASHRAE Mumbai Chapter	Beach cleaning activity	2	130
Fire and safety awareness	FSAI Mumbai chapter	fire safety training	2	303
Social Awareness	ISHRAE, student Chapter	Science for All for School	2	91

		Students ISHRAE/ASHRAE STEM K-12 Activity 01		
Social Awareness	ISHRAE, ASHRAE Student chapter	ISHRAE/ASHRAE STEM K-12 Activity 02	3	69
<a href="#">View File</a>				

### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
STEM activity No.01	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
STEM activity No.02	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
STEM activity No.03	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
STEM activity No.04	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
STEM activity No.05	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
STEM activity No.06	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
STEM activity No.07	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
STEM activity No.08	Student chapter members	ASHRAE Mumbai and ISHRAE thane	1
awareness program on platelet donation	Student chapter members	ISHRAE Thane chapter	1
<a href="#">View File</a>			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Vocational Training	Automech Engineering, Sangram Nagar, tardai.ichalkranji 416121	31/12/2018	05/01/2020	PATKAR AMEY ARUN
Internship	Vocational Training	Automech Engineering, Sangram	31/12/2018	05/01/2019	PATIL ANIKET VIJAYKUMAR



		Nagar, tarda i.ichalkranj i 416121			
Internship	Vocational Training	Finolex Cables, Goa	26/12/2018	12/01/2020	NANAL OMKAR
Internship	Vocational Training	Mahalaxmi Processes, Kolhapur	25/12/2018	05/01/2019	PATIL ANIL SHIVAJI
Internship	Vocational Training	Mahalaxmi Auto, Ratnagiri	28/12/2018	04/01/2019	PATIL SAURABH LAXMAN
Internship	Vocational Training	Mahalaxmi Auto, Ratnagiri	28/12/2018	04/01/2019	SOHANI RIDRA RAMCHANDRA
Internship	Vocational Training	Mahalaxmi Auto, Ratnagiri	28/12/2018	04/01/2019	SAGAVEKAR OMKAR ASHOK
Internship	Vocational Training	Gadre Marine Export Pvt. Ltd. Ratnagiri	20/12/2018	26/12/2018	SHIGWAN SARVESH MAHENDRA
Internship	Vocational Training	Gadre Marine Export Pvt. Ltd. Ratnagiri	20/12/2018	26/12/2018	SHINDE ROHAN RAMAKANT
Internship	Vocational Training	Gadre Marine Export Pvt. Ltd. Ratnagiri	20/12/2018	26/12/2018	PENKAR RASIK RAJENDRA
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Indian Society of Heating, Refrigerating and Air Conditioning Engineers	01/04/2018	Industrial Training Visit, Research and Development, Guest Lectures, Student competitions,	233
ASHRAE	01/01/2018	Industrial Training Visit, Research and Development, Guest Lectures, Student competitions,	36
Fire Security Association of	01/09/2018	Industrial Training Visit,	151

India (FSAI)		Research and Development, Guest Lectures, Student competitions,	
American Society of Mechanical Engineers	01/06/2018	Industrial Training Visit, Research and Development, Guest Lectures, Student competitions,	26
Excel Education Training Services, (Ghatkopar)	15/02/2018	For the purpose of training of students for maximising placements	3
Industrial Energy Savings Company, Mumbai	05/02/2019	Purposes: 1.offer training to students on Energy Conservation. 2. Provide training to students on Energy Auditing 3. Undertake collaborative projects in the area of Energy Conservation and Energy Auditing in Institutes and Industries 4. Provide stud	1
Jeet Fortuneline Limited	02/03/2019	The purpose of this MoU to conduct Add on Courses, Training project work and FDP	2
ATS InfoTech Pvt Ltd, Microsoft Inc. AEP(Authorised Educational Partner)	19/02/2018	1.Delivery partner would be offering Certification to students who pay the exam fees would be getting bundled training free cost mapped to the Certificates. 2.Delivery partner would bundle a free of charge Faculty Development Program once a year for	41
Vinati Organics ltd	02/06/2020	Career Guidance Seminar on Personality Development and Interview	57

**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES****4.1 – Physical Facilities**

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
51.51	50.16

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

**4.2 – Library as a Learning Resource**

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL 2.0	Fully	2	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	27651	5530200	181	90862	27832	5621062
Reference Books	6729	2261225	65	38307	6794	2299532
e-Books	Nill	Nill	8008	105172	8008	105172
Journals	53	165304	Nill	Nill	53	165304
e-Journals	452	692463	Nill	Nill	452	692463
CD & Video	4000	51000	Nill	Nill	4000	51000
Library Automation	1	15000	Nill	Nill	1	15000

Digital Database	Nill	Nill	Nill	Nill	Nill	Nill
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
<a href="#">View File</a>						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Vinayak A. Bharadi	BE IT - CC- Cloud Computing	Personal Web Site	Nill
Dr. Vinayak A. Bharadi	BE IT - BDA - Big Data Analytics (Shared through Edmode/ Google Classroom)	Personal Web Site	Nill
Ashish Balkrishna Vartak	Electrical Network Analysis and Synthesis	Wordpress	Nill
Ashish Balkrishna Vartak	Advanced Networking Technologies	Wordpress	Nill
Atul Yadav	BE IT- Software Project Management	Website	Nill
Atul Yadav	BE IT- Enterprise Resource Planning	Website	Nill
Sachin S Gurav	BE Mechanical	Website	Nill
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	510	18	65	1	2	39	0	65	0
Added	0	0	85	0	0	0	0	85	0
Total	510	18	150	1	2	39	0	150	0

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

150 MBPS/ GBPS
----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
A-view lecture capturing system	<a href="https://youtu.be/n-6tm5y5EuE">https://youtu.be/n-6tm5y5EuE</a>

Screen cast software for lecture recording

<https://youtu.be/bCfV5JEC-4I>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
81.3	79.52	33.54	32.71

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

A maintenance policy is prepared to ensure the optimum performance and maximum service life of infrastructure, lab equipment and other resources. Maintenance is done through repair, partial replacement or total replacement and is categorized as: A) Civil infrastructure and related maintenance schedule is attached below: <https://i.ibb.co/SmzCD2Q/Img-1.png> B) IT infrastructure related maintenance schedule is attached below: <https://i.ibb.co/NCqX6MR/Img2.png>

1. Construction and Maintenance Department (CMD) for civil infrastructure related maintenance: Institute has two separate departments to take care of maintenance related activities: The Head of Construction and Maintenance Department, along with his team, ensures safe operating conditions by performing regular inspections, preventive maintenance and conducting all necessary repairs to ensure the productive and useful life of the units.

2. Systems Department for IT infrastructure related maintenance

All computers and networking facilities in the institute are under the observation of the Systems Department. Full-time supporting staff takes care of maintenance activities under the guidance of these two departments. The maintenance under both categories is carried out using two different methods:

A) Preventive and Routine Maintenance Procedures for Civil and IT infrastructure: A timely routine maintenance is carried out for the newly installed as well as old machines/equipments and the system-related infrastructure. The Head of the concerned department prepares a plan for preventive and routine maintenance on a biannual basis. Two weeks before commencement of every new Semester, the maintenance staff plans the service schedule for Lab equipment in consultation with the respective Lab In-charge and the Lab Assistant.

B) Breakdown Maintenance Procedures for Civil and IT infrastructure:

1. Faculty /staff place a service request related to construction and maintenance and the Head of the concerned (CMD or Systems) department verifies it

2. The service request generated by concerned faculty/staff is registered through the service request form.

3. The service request is registered by Construction and Maintenance Department in the register maintained and HoD of the concerned department (CMD or Systems) verifies it.

4. The maintenance staff attends to the service request on a priority basis. The Head of the concerned department (CMD or Systems) takes a final decision in this regards.

5. After resolving the problem, the service request form, duly signed by the concerned Head, is attached to the file of the service requests and the service request register is updated.

[https://famt.ac.in/NAAC\\_Documents/aqar/2018-19/Criteria4/4.4.2/Procedure%20&%20Policies.doc](https://famt.ac.in/NAAC_Documents/aqar/2018-19/Criteria4/4.4.2/Procedure%20&%20Policies.doc)

#### CRITERION V – STUDENT SUPPORT AND PROGRESSION

##### 5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Prizes for academic Excellence, Scholarship For students excel in Academics But Financially Hard Pressed	15	124000
Financial Support from Other Sources			
a) National	Government of India Post-Matric Scholarship, Post Matric Scholarship to OBC Students, Post Matric Scholarship to SBC Students, Post Matric Scholarship to VJNT Students, Post-Matric Tuition Fee and Examination Fee (Freeship)	1190	42570761
b) International	Nil	Nil	Nil
<a href="#">View File</a>			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Aptitude and Personality Development Test for SE Electronics students	20/03/2019	25	Resourced by Training and Placement Cell of Electronics Engineering Dept of FAMT, Prof. Amol R Sutar-9881827823
Psychometric Test For SE Electronics	20/03/2019	25	Resourced by Training and Placement Cell of Electronics Engineering Dept of FAMT, Prof. Amol R Sutar-9881827823, Prof. Rahul P Tiverkar-8208672725
Psychometric Test For TE Electronics	20/03/2019	23	Resourced by Training and Placement Cell of Electronics Engineering Dept of FAMT, Prof. Amol R Sutar-9881827823

Aptitude and Personality Development Test for TE Electronics students	20/03/2019	23	Resourced by Training and Placement Cell of Electronics Engineering Dept of FAMT, Prof. Amol R Sutar-9881827823
Aptitude and Personality Development Test for BE Electronics students	08/10/2018	30	Resourced by Training and Placement Cell of Electronics Engineering Dept of FAMT, Prof. Amol R Sutar-9881827823
Two Days workshop : Embedded C Programming and Applications Development	29/09/2018	12	Resourced By FAMT(Electronics Dept.), Prof.Vrishali V Nimbalkar-9423290580, Prof. Amol R Sutar-9881827823
Seminar on : Internet of Things ( IOT)	21/08/2018	25	Mr. Manish Kumar Singh, ATS Hearing Solutions Infotech Pvt.Ltd., 9717870232
One day Workshop on Introduction to Python	14/07/2018	32	Prof. A. R. Palwankar, Assistant Professor FAMT,Ratnagiri
Bridge course on Elements of Chemical Engineering-IA	02/07/2018	23	Department of Chemical Engineering
Bridge course on Introduction to mass transfer operations laboratory	12/07/2018	30	Prof. A. K. Bandsode (Chemical Engineering Department)
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Guidance for Competitive exams	414	Nil	Nil	Nil
2018	Career	Nil	1100	Nil	Nil

	counselling activities				
2019	Guidance for Competitive exams	249	Nill	10	Nill
2019	Career counselling activities	Nill	1297	Nill	271
<a href="#">View File</a>					

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

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

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Acty, Balaji Amines, BPCL, Byjus, Canon, Capgemini, etc.	551	266	Blue Circle Organics, Techius, Tilottama Enterprises, Trigent, Retreat, etc.	5	5
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	Electrical Engineering	Electrical Engineering	Balaji Institute of international business	Post graduate diploma in marketing
2018	1	Electrical Engineering	Electrical Engineering	Fr Conceicao Rodrigues Institute of Technology	Power Electronics and Drives
2018	1	Electronics Engineering	Electronics Engineering	Indian Institute of Foreign Trade, Kolkata	MBA(International Business)



				Campus	
2018	1	Mechanical Engineering	Mechanical Engineering	Texas A & M University,	MS in industrial engineering
2018	1	Mechanical Engineering	Mechanical Engineering	Collage Of Engineering, Pune	M-Tech in Automtive Technology
2018	1	Mechanical Engineering	Mechanical Engineering	Indial Institute of Technology, Dharwad	M-Tech in Mechanical Engineering
2018	1	Mechanical Engineering	Mechanical Engineering	K J Somaiya Collage of Engineering, Mumbai	M-Tech in CAD/CAM Engineering
2018	1	Mechanical Engineering	Mechanical Engineering	National Institute of Technology, Warangal	M-Tech in Automobile Engineering
2018	1	Mechanical Engineering	Mechanical Engineering	University at Buffalo, Department of Industrial and systems Engineering	MS in industrial engineering
2018	1	Mechanical Engineering	Mechanical Engineering	MIT WORLD PLACE, PUNE	MBA (OPEARTIONS)
<a href="#">View File</a>					

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

Items	Number of students selected/ qualifying
<b>GATE</b>	<b>4</b>
<b>GRE</b>	<b>4</b>
<b>TOFEL</b>	<b>2</b>
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
<b>Cultural Activities 2018-19</b>	<b>Institute Level</b>	<b>498</b>
<b>Sports Activities 2018-19</b>	<b>Institute Level</b>	<b>1544</b>
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Consolation Rank in Debate Group A (Marathi)	National	Nil	1	T-16-0024	Apte Sayali Umesh
2019	3rd rank in International Shotokan KarateDo Association of india	International	1	Nil	ND-18-0466	Sawant Rohit Ashok
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute has an active Student Council which includes various students representatives working on the positions like General Secretaries for boys and girls, Sports Secretaries for boys and girls, Technical Secretary and Cultural Secretary along with the students and faculty representatives. The Student Council is a platform for the students to voice their opinions and views related to academic, co-curricular and extra-curricular activities. These activities create cohesive and robust management and learning environment in institute. Students are nominated on various academic committees such as Department Advisory Board (DAB) which helps in creating students-oriented teaching learning process, Library Advisory Committee (LAC) which advises the library on various aspects and College Development Committee (CDC) which, along with IQAC, frames the policies and monitors overall functioning of the institute. Students also have their representation on Anti-ragging, Canteen and Hostel Committees for monitoring and smooth functioning. Along with institute level committees each department has student Association which coordinates different technical and co-curricular activities as well as a variety of social and cultural events throughout the year. Head of the department and faculty in charge of respective branch either select or elect student representative for each association. The student representative forms a team which includes students having representation of each class. The students also have representation and participation in the various institute level committees such as Cultural, Internal Complaint Committee (Women Grievance Cell), Women Development Cell, Nature Club and NSS. Utopia-the annual cultural gathering, the annual sports and Brainwaves a national level technical level event are organized, managed and administered by committees of students. The committees of students are formed under guidance of faculty coordinators of associated committees of faculties. The active participation of students in planning and execution of different activities conducted through all above mentioned associations, cells and committees enhances their confidence, leadership qualities and imparts managerial and interpersonal skills in them.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of the institute is registered with the office of the Charity Commissioner, Ratnagiri in the name of Maji Vidyarthi Sangh, Finolex

Academy of Management and Technology, Ratnagiri. Students graduating from the institute become members of the Alumni Association by filling alumni registration form. The Alumni Association contacts the alumni through social and electronic media to get the updates of their career progress, achievements. In the same way institute e magazines are mailed to alumni to convey progress of institute and alumni updates. The alumni have their representation in IQAC, College Development Cell (CDC), Department Advisory Board etc. This activity help in improving interactions of institute with reputed industries. With the establishment of the Alumni Association, the institute has set up a channel to receive funds from the alumni. These funds will be used for providing facilities for the students to make them well versed with the global trends in engineering. Alumni meet is conducted annually with an objective to interact and to get updates regarding the progress of the institute and to enhance interactions for benefit of existing students. Alumni are invited to give talk on recent technological growth, recent trends in their working environment. Such interactions help in providing new era of technological education to existing students. Alumni collaboration help in getting permissions regarding Industrial training and vocational training. All above activities strengthen awareness of existing students towards outside practical life which ultimately improves employability of students of institute.

5.4.2 – No. of enrolled Alumni:

2136

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

3

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

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

Training Placement (TP) team was looked after by a single person and designated person was not assigned for training. The Institute realized the importance of industry relevant training in addition to the University prescribed curriculum and the decentralization of TP team was done by introducing training officers in the team. The role of training officers is to identify the industry relevant skill sets, shortlisting the training through external resource personnel (if training by the faculty members is not possible) conducting the various training activities into the campus As a result, more than 520 students underwent industrial training in AY 2018-19. Structured efforts were made by TP team to provide training for higher education. Industry specific training was started by giving due consideration to job as well as interview requirements. Institute succeed in continuing the relationships with CSR partners proving soft skill training to the students at free of cost. Continual efforts of training coordinator helped institute in improving the placement standards of the Institute. Placement team had also succeed to improve the median salary for students from 1.6 in AY-2016-17 to 2.2 lakhs in AY 2018-19. Another decentralization was done by functionalizing the posts of Dean Academics, Dean faculty, Dean RD and Faculty In-charge Student affairs. Responsibilities assigned to these roles are as follows Dean Academics:- To Conceive, Implement and upgrade Student centric, outcome based education systems in consultation with stakeholders which should reflect through students' results, students' academic achievements, Results of technical capability tests, interviews taken

by employers during placement drives. Dean RD:- To create vibrant research environment in Institute by promoting research culture, institutionalizing research policies, motivating students faculties to undertake innovative projects which should result in increased Intellectual Property rights/or higher amount of Research Grants/or New Product design development/or good quality research publications /or establishment of start-ups by students. Dean

Faculty: To improve competency levels of existing faculty members by identifying needs of professional training required by them, by scrutinizing faculty performances, by increasing moral of faculty members with the help of well-defined, transparent promotional and rewarding systems which shall result in higher retention rate of competent faculties and improved performance levels of available faculties. Faculty In-charge Student Affairs: To design execute student-centric extra-curricular activities by identifying needs, allowing students to organize cultural social events, making them to participate in cultural social events and by allowing them to become a part of Institute's various decision making bodies which shall result in imbibing leadership organizing skills in to the students, taking stage fear out from students' mind, promotion of students' creativity and sensitizing students toward social responsibilities.

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Though the admissions to engineering education is major concern all over India, institute still witnessing fairly good admissions. Institute strives to improve the quality of admitting students. Accordingly, institute promote the engineering education in and nearby districts. Institute visits higher secondary institutes and interacts with the students on the opportunities available after engineering education. The main aim of the interaction remains to attract the deserving students towards engineering education. In the year 2018-19 institute visited 85 higher secondary colleges and interacted with 4296 students. Institute also promotes the girl enrollment by giving preference in Institute level quota admissions.
Industry Interaction / Collaboration	Institute has linkages with various industries, training providers and working alumni. TnP team continuously visits the HR officials of industries for collaboration at all levels. Institute's strong alumni bonding helps in placement and to arrange resource persons for workshops and seminars. In academic year 2018-19 institute was

	<p>able to place 320 students. Various departments has MoUs with the industries in their respective field. Because of the Industry interaction, institute was placed in Gold category by AICTE-CII for AY 2018-19 and was awarded with the title "Best Industry-Academia Interface Award (West)" by EdTech Review.</p>
Human Resource Management	<p>Being remotely located, institute always had a challenge of attracting deserving faculty members. Hence Institute always believed in the education progression of existing faculty members. Since establishment, institute has deputed 45 faculty members for post graduation as well as Ph.D. for full time. Even institute supports continual education of lab assistants, librarians and office staff. Under this scheme many non teaching staff have completed/enrolled to their higher education. Nine members are currently enrolled to Ph. D. course. Because of the employee friendly policies retention rate of the institute is promising.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>To increase the turnover of books, Institute started issuing more number of books per student. Institute also a beneficiary of book bank scheme floated by the Social Welfare Department, Maharashtra and promotes the scheme among students. Institute has designated blocks for different branches and infrastructure remains at par to the AICTE requirements. All the equipments in the institute fulfills the requirements of latest syllabus. In AY 2018-19 based on students' feedback, institute reconstructed the internal roads to ensure the safe driving conditions in the premises.</p>
Research and Development	<p>Institute established Ph.D. research center affiliated to University of Mumbai in the field of Information Technology in AY 2018-19. Institute has also applied to various grants offered by government and non government agencies. Institute published more than 35 research papers in the academic year. Institute received a grant of more than 13 lakhs INR in the academic year. Institute promoted the advantages and importance of publishing research papers among the students to imbibe the research culture.</p>

Curriculum Development	<p>Institute follows syllabus prescribed by the University of Mumbai. Hence institute has less scope to modify the existing syllabus. However University has planned to update the syllabus from 2019 and Institute is acquiring the resources accordingly. Apart from the prescribed syllabus, institute enrich the curriculum with additional value added courses specially designed to suite the industrial requirements. Institute has also established many center of excellence in the field of information technology and has tie ups with Microsoft, Intel and NVIDIA for certification courses. Number of students participation in Microsoft Academy program and Intel Center Hackathons has increased considerably in AY 2018-19.</p>
Teaching and Learning	<p>Institute follows outcome based education (OBE), and system of OBE is maturing year by year. Teachers are getting trained for new developments in pedagogic techniques. Number of students passing in minimum stipulated time has increased as compared to last three years average values. For the continual efforts made in teaching learning Institute received "excellent higher education award" by Mind-mingle in December 2018.</p>
Examination and Evaluation	<p>Examination and evaluation activities of the institute are governed by the rules and regulations of university of Mumbai. The performance of the students is assessed on Continuous basis by the subject teacher based on their attendance, assignments, tutorials, oral, Practical etc. Assignments and Laboratory reports are assessed with the help of Rubrics to test their understanding. Internal assessment tests are conducted through department level examination committee in a way similar to university examinations. Assessment results are discussed in common or individually with the students. Results of various examinations conducted on behalf of university are displayed on institute website.</p>

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

E-governance area	Details
Administration	Akron system is adopted for

	administration purpose
Finance and Accounts	Akron system is adopted for administration purpose
Student Admission and Support	Akron system is adopted for administration purpose

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr. T V Joshi	One day workshop on Mobile Appilcation Development - Android Programming	Department of Computer Applications, SIES College of Management Studies, Nerul, Navi Mumbai	1180
2018	Mr. S S Gurav	One Week Faculty Development Program Recent Trends in Mechanical engineering	Department of Mechanical Engineering, MMCOE, Pune	4000
2018	Ms. N H Gangrekar	ISTE Approved 3rd International Conference on Changing Technology Rural Development	Rajendra Mane College of Engineering and Technology, Ambav	2000
2018	Mrs. D M Bapat	ISTE Approved 3 Rd International Conference on Changing Technology Rural Development	Rajendra Mane College of Engineering and Technology, Ambav	2000
2018	Mr. T V Kavatkar	ISTE Approved 3 Rd International Conference on Changing Technology Rural Development	Rajendra Mane College of Engineering and Technology, Ambav	2200
2018	Mr. D C Dengale	Faculty Development Program on	Department of Chemical and Mechanical, Sir	3700



		Design and Analysis of Process Equipment using Computer Tools	Visvesvarya Institute of Technology, Chincholi, Nashik	
2018	Mr. S B Bobade	Faculty Development Program on Design and Analysis of Process Equipment using Computer Tools	Department of Chemical and Mechanical, Sir Visvesvarya Institute of Technology, Chincholi, Nashik	3700
2018	Mrs. S S Goilkar	ISTE Approved 3 Rd International Conference on Changing Technology Rural Development	Rajendra Mane College of Engineering and Technology, Ambav	2000
2018	Mr. S V Jadhav	Co-ordinators Workshop on Python	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	1750
2018	Mr. R K Marag	4th International Conference on New Frontiers of Engineering Management, Social Science and Humanities	Institution of Engineers, India, Chandigarh	4000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Open Source Solutions in Teaching-Learning Process	Nill	24/06/2019	28/06/2019	38	Nill
2018	Python Workshop for Teachers	Nill	22/06/2019	22/06/2019	33	Nill



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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Switching Circuits and Logic Design	2	01/07/2018	31/10/2018	84
Open Source Solutions in Teaching-Learning Process	3	24/06/2019	28/06/2019	5
Development Program for Student Induction (FDP-SI)	1	15/03/2019	16/03/2019	2
Introduction to Abstract and Linear Algebra	3	01/08/2018	31/10/2018	56
Faculty Development Program for Student Induction (FDP-SI)	3	06/06/2019	08/06/2019	3
Advanced Data Management Technology and OLAP Lab	1	02/07/2019	02/07/2019	1
Design and Analysis of Process Equipment using Computer Tools	2	16/12/2018	16/12/2018	1
Orientation Programme for TE Mechanical Semester Electives (Department Level)	1	13/07/2019	13/07/2019	1
Recent Trends in Mechanical Engineering	1	10/12/2018	14/12/2018	5
Orientation Program	1	22/01/2019	22/01/2019	1

Mechanical  
Engineering  
semester VI  
CBCGS

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	25	Nill	5

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
6	4	2

### 6.4 – Financial Management and Resource Mobilization

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

A committee constituted by the Principal is entrusted with internal audit. The scope of the internal audit program encompasses working of various compliance under appropriate laws and rules and regulations framed thereunder, sufficient systems and procedures are in place for adherence of institutional policies, proper books of accounts, voucher along with supporting documents are maintained further, proper systems and procedures are in place for internal control at the various department levels. The external audit is performed by an independent Chartered Accountant appointed as a Statutory Auditor of the institute who initially reviews the reports and observations made by the Internal Audit Team and the explanations given by the Accountant of the institute. Taking cognizance of the same, a list of requirements is given for compliance and submissions to the Statutory Auditor for completing the auditing of the financial statements of the institute and providing a realistic statement through his audit report that the books of accounts reflect a true and fair view of the operational activities and the financial position of the institute for the relevant financial year. The role of the Statutory Auditors includes crucial impact factors like the institute's financial reporting process and the disclosure of its financial information to ensure that the financial statement is correct, sufficient and credible changes, if any, in accounting policies and practices and reasons for the same significant adjustments made in the financial statements/ books of accounts arising out of audit findings compliance with statutory requirements relating to financial statements disclosure of any related party transactions reviewing the findings of any matters where there is suspected fraud or irregularity or a failure of internal control systems to look into the reasons for delays in the payments /recoveries from/ to creditors/ debtors and carrying out any other function/s as deemed necessary in the capacity of Statutory Auditor.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
LIONS CLUB, RATNAGIRI	3000	FOR BLOOD DONATION CAMP AT FAMT ON 23.08.2018

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#### 6.4.3 – Total corpus fund generated

**6.5 – Internal Quality Assurance System****6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Dean Academics as Convener Academic Audit Committee
Administrative	No	Nil	Yes	NAAC, Coordinator

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

Department Advisory Board (DAB) include representative from parent DAB is formed in all the Engineering departments and MCA department DAB monitor, help and guide the department in enhancing the quality of education and teaching-learning process

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

1) Workshop on Computer Maintenance Tricks 2) Workshop on Fire Safety 3) Workshop on Safe use of equipment at workplace

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

1) Revision in Instructions and Guidelines for organizing and participating in programs by departments 2) Revision in Instructions and Guidelines for organizing and participating in programs by committees 3) Developed System to identify and take efforts on Slow and Fast learners

**6.5.5 – Internal Quality Assurance System Details**

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

**6.5.6 – Number of Quality Initiatives undertaken during the year**

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Development and Implementation of Instructions and guidelines for organizing programs and courses to departments	10/01/2018	12/01/2018	Nil	106
2018		10/01/2018	31/01/2018	Nil	46

	Development and Implementation of Instructions and guidelines for organizing programs and courses to committees				
2018	Development and Implementation of Instructions, guidelines, checklists and templates to maintain proofs for departments and committees	10/01/2018	12/01/2018	Nil	106
2018	Development and Implementation of System for Identifying and taking efforts on Slow and Fast Learners	10/01/2018	05/01/2018	Nil	1620
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Essay Writing Competition on Womens Day Celebration	19/03/2019	19/03/2019	6	10
Talk on Don't say Yes when You want to say No	18/03/2019	18/03/2019	44	43
Photo	09/03/2019	09/03/2019	36	8

Competition on International Women's Day				
International Women's day Celebration	08/03/2019	08/03/2019	34	Nil

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

Percentage of power requirement of the University met by the renewable energy sources
<p>The institution takes many steps for the energy conservation. The canteen is having the Solar water heater to meet the hot water requirement for cooking and cleaning. To save conventional LPG and electrical energy, Bio-gas plant is installed. The gas generated helps to save the conventional energy use. Around 7 of lighting requirement is met by LED lighting. Electrical audit is done by electrical department. Boards regarding save electricity are displayed in classroom, Laboratories, and various places throughout the campus for sensitizing about the proper use of electrical power.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Rest Rooms	Yes	Nil
Any other similar facility	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	Nil	1	24/09/2018	1	BEACH CLEANING CAMP	To sensitize students regarding environmental cleanliness	132
2019	1	Nil	13/03/2019	3	A Three Days Entrepreneurship Awareness Program	Development of entrepreneurship skills of the students	30
2019	Nil	1	08/03/2019	1	A Digital Awareness Program	Demonstrated online banking, money	11

						transfer, payment of bills, online booking etc. to Mahila Bachat Gat	
2019	Nill	1	11/02/2019	5	Digital Transaction Awareness Campaign	Digital and cashless transactions to the people from nearby residential societies , shopping complexes and villages	57
2019	Nill	11	11/01/2019	7	Electric Safety Awareness Campaign 2019	To ensure electric safety while using electrical appliances	53
2018	Nill	1	23/08/2018	1	Blood Donation Camp	Blood donation to Various blood banks in and around Ratnagiri	140
2019	1	Nill	27/07/2019	1	Celebration of World Population Day	To create awareness about population related problems	111
2018	1	1	26/10/2018	1	STEM Activity 3	The activity covered simple algebraic equations like	103

						addition, subtraction, multiplication and division for standard 1 st to 7 th and a technical session on Engineering made life easy, Hologram experiment, Vedic Mathematics and learning through game	
2018	Nill	1	11/08/2018	13	Aid to flood Victims in Maharashtra	Participation in the relief work to assist in packing and sorting out materials for flood victims	83
2018	1	Nill	02/08/2018	1	Mockdrill training of fire safety equipment	Giving information about latest fire prevention and firefighting equipments to the engineering students	306
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders							
Title		Date of publication		Follow up(max 100 words)			
Student Handbook		01/06/2019		The utilization of facilities comes with			

		responsibility. The institute, therefore, provides general guidelines in the form of Student Handbook which are to be followed by the student during entire course. (Modifications in Student Handbook are made. The students handbook aims at exploring the facilities available for students in this as per requirements in every academic year).
Hostel Handbook	01/06/2019	To provide very conducive atmosphere for studying at hostels.
Library Usage Policy	01/06/2019	To provide guidance regarding proper utility of online and offline library resources.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Mandovi Beach Cleaning Program	09/03/2019	09/03/2019	23
Marathi Bhasha Gaurav Din	28/02/2019	01/03/2019	80
Voters and EVM VVPAT Awareness Program	23/01/2019	23/01/2019	150
Rashtriya Ekata Diwas Celebration	31/10/2018	31/10/2018	128
Online Pan card Drive	09/10/2018	11/10/2018	50
A Talk on Surgical Strike Day	01/10/2018	01/10/2018	63
A Talk on The Life and Works of Mahatma Gandhi to Celebrate 150th Birth Anniversary of Mahatma Gandhi	01/10/2018	01/10/2018	60
Teachers Day Celebration	05/09/2018	05/09/2018	73
Ek Rakhi Sainikasathi	25/08/2018	25/08/2018	33
A Seminar on Role Youth in Surakshit Bharat	02/08/2018	02/08/2018	304
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### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The institution is environmentally conscious. The institution adheres to practices that create eco-friendly and environmentally responsible decisions and lifestyles which can help protect the environment. Preserve its natural resources for present and future generations. The institute, along with its various departments, Nature Club, faculty members, staff and students have taken up Go Green initiatives to keep the entire campus green and plastic free. The institute promotes the minimum utility of paper for record maintenance regarding administrative and academic data through the use of various software developed by the faculty members. Each faculty member has been provided an email ID on the institute's G-Suite portal for sharing documents electronically. The institute has registered to various portals to provide E-learning resources for the students and faculty members like online journals. In order to automate and reduce the paper used in various administrative activities, the institute has purchased a cloud-based ERP system and it is implemented from the academic year 2018-19. As a part of the institutes policy Nature Club and/or the institute plants plenty of trees every year in the campus and utmost care is taken for the proper maintenance of these plantations. All the trees have been labeled with their botanical names by Nature Club. Instead of bouquets and gifts, saplings are preferred during various events to promote eco-friendly lifestyle among students and society. The institution makes use of drip irrigation system and water sprinklers to irrigate the lawns and gardens in the campus from the perspective of saving water and energy. A key thought regarding the significance of saving water is displayed at every cooler and at many other strategic locations throughout the campus.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Best Practice 1: 1. Title of the Practice Holistic development of students through Industry linkages 2. Objectives of the Practice Industry Institute Interaction will have great bearing on the engineering curriculum, exposure of engineering students to industrial atmosphere. There is a need to create avenues for close academia and industry interaction through all the phases of technology development, starting from conceptualizing to commercialization. To provides a platform for both the students as well as faculty members to be aware of industry expectations of skill sets required for students. To make the teaching learning process to produce quality students to meet the expectations of industry 3. The Context The Institute belongs to the remote location from the city where the student's vernacular is the biggest agenda while connecting with the industry. The efforts need to be taken to polish the students to satisfy the expected communication skills set to cope up with the standards of the industry. The trend of the industry has completely changed for absorbing the candidates on board and they are looking for the talent for the advanced and modern technologies. The demographical location of the institute and the distance from the major industries hub is unfitting during exploring the placements activities. Also, the industries demanding the students count which is sometime more than the eligible students in the campus High demand in industry about the cross-domain knowledge 4. The Practice The Institute belongs to the remote location from the city where the student's vernacular is the biggest agenda. To overcome this problem, institute has set up the Language Laboratory. Regular training programs for language and personality development is organized in collaboration with GTT Barclay. Aptitude training programs are conducted for students by faculty and in collaboration with external agencies. For technology training, apart from regular teaching, Value added courses, Workshops, and training programs are organized. These programs are conducted in house as well as in collaboration with external agencies. The institute is

having MoU with reputed industries and centre of excellence has been established which helps in training the students with latest technology and as per the requirement of industry. Training and placement team is establishing good link with the industry, so we regularly visit the industries from various locations, arrange industry expert's session to explore the students about industry insight and the establishment of the centre of excellence by shaking hands with the industries. In association with the industry we have conducted the training session to students and faculties as well. Placement drives in institution are organized and we also execute the pool campus drive in association with the nearby institutes. Students are always motivated and supported by institute to attend the internship training programs in industry during semester breaks. This exposes the students to the industry need and requirements. For third year and final year students, industrial visits are organized Every department is having industry person and alumni in Department Advisory Board. In regular meetings, the requirement of industry is discussed and accordingly the institute plans to organize value added courses, certification courses and workshops for students so that the requirement can be met. Institute is having industry linked laboratories and provides certification programs in various thrust areas.

5. Evidence of Success Through the holistic development approach adopted as the best practice, in the academic year 2018-2019, a total of 477 students have completed internship and 320 students have been placed in different industries through the placement drives.

6. Problems Encountered and Resources Required The extra hours extending is for additional training sometime difficult to accept by the candidates. Lack of industries in the area .

Best Practice: 2 ICT Enabled Teaching Learning Process (iTLP)

2.Objectives of the Practice The use of Information and Communication Technology (ICT) is a symbol of a new era in education. ICT enables the use of innovative educational resources and the renewal of learning methods, establishing a more active collaboration of students. It is catering to life-long learning aspirations and that too at an affordable cost. The ICT enabled Teaching Learning Process(iTLP) is implemented in the institute as a best practice. The main objectives of this practice is to: To enable digitally deployed and student centric platforms to create smart environment for learners. To manage academic and administrative resources with efficiency and optimum utilization.

3. The Context In current information society, people have to access knowledge via information and communication technology (ICT) to keep pace with the latest developments. With the help of ICT, constraints of time and place can be over come in the field of Teaching and Learning. Use of ICT is a new era in education. The use of ICT in education has intensely reformed teaching and learning processes. Furthermore, it has expanded new opportunities for learning and accessing to educational resources beyond those traditionally available. ICT is considered as a mainstream in higher education. ICTs are being used in many areas such as: developing course materials delivering content and sharing content communication between learners, teachers and the outside world creation and delivery of presentation and lectures.

4.The Practice FAMT, over a period of 25 years, has worked on some best practices by way of educational strategies and activities which enhanced quality of teaching and learning such as ICT Enabled Teaching Learning Process (iTLP) In view of Digital India initiative of Indian Government, FAMT has set up the following ICT deployments to promote active use of technology on the campus: ?Google Workspace for email, document storage, Online meetings. ?E-learning -Google Classroom and lecture repository ?Cloud based MIS by Akron Systems, Online Feedback, Surveys and Attendance ?NPTEL Repository ?Alumni Portal Google Workspace for email, document storage, Online meetings. The institute in collaboration with Google got access to Google Workspace (formerly known as G-Suite). All the faculty have the access to email, document storage , Google class room and Google meets with facility to record the lecture. Faculty members have been using EDMODO as an LMS in AY 2018-2019 and later on it was

shifted to Google Classroom. Google Classroom provides centralized management of the students management, assignment sharing and evaluation, term work submission and online lecture conduction. The google meet and google drive enables teachers to create a repository of every lecture which is conducted. Further, many teachers are having their YouTube channel and specific content is also shared on these channels. FAMT has a cloud based MIS which takes care of the management of common activities. This MIS has two main modules (i) Administration (ii) Academics ?Under administration module following key functionality are provided oUser Login is provided for faculty and students. Students can get the details related to tuition fees, Hostel fees, Exam fees. These details are updated in real time. Students can pay the fees also through the payment gateway. oRegular SMS updates are sent to all faculty, staff and students and their parents for institute related news and announcements. oAdmission related processes are managed and different types of certificates are issued through the MIS. ? Under Academics module following modules are operational oActivities like assigning division to students, division transfer, assigning Roll No, assigning batch to student, batch transfer, assigning subjects to teacher, assigning batch to teacher, teaching Plan, practical plan, attendance sheet, marking daily attendance, assigning mentor, continuous assessment, Internal Assessment marks entry are carried out through this module. Master, class wise, individual time tables are created by using this module oData related to faculty achievements, research publication, conference, published books etc can be stored here. oFor the staff the Leave application, substitute request, approval of leave, Gate Pass approval as well as various reports related to Syllabus coverage, Teaching Learning Plans, students attendance and administrative process are generated herein This MIS is accessible on the internet and it can be accessed remotely at any location. University related processes are updated in the MIS as and when required. This MIS saved lots of time, energy and paperwork. The Central Library has an indexed repository for NPTEL lectures students have been using the same on the campus for their reference purpose. 5. Evidence of Success Faculty have developed the e-content for various courses and shared to students through various platforms. In terms of administration, all activities related to students and faculty are carried out through cloud based MIS system from Akron systems. 6. Problems Encountered and Resources Required FAMT is equipped with all the resources and infrastructure required for the utilization of Google Workspace, YouTube Streaming as well as NPTEL repository hosting which is now a well-established best practice at the Institute. Students staying in rural areas of Ratnagiri district, face the problem related to network issues.

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

<http://famt.ac.in/igac/>

### 7.3 – Institutional Distinctiveness

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

The Finolex Academy of Management and Technology (FAMT) was established at Ratnagiri in the year 1996 by Late Shri Pralhad P Chhabria, the Founder Chairman of Finolex Group of Companies. The motive of the institute is to serve the society by providing quality higher education and research in rural and urban India. Founder Chairman had the profound vision to transform our society through his entrepreneurial endeavor while being passionate about socio-economic transformation through education and research. This institution exemplifies his philosophy of "quality technical education at affordable cost and uplifting the needy students from all corners of our India". The institute is also supporting by implementing scholarships for the students who are

economically weak, to the needy students. As per the vision, to provide Quality education, the FAMT is having state of the art infrastructure, well equipped laboratories and qualified faculty and staff. The academic schedule is followed strictly as per the academic calendar and 100 syllabus completion is done.

Apart from regular syllabus teaching and practical, course enrichment is carried out by faculty to fill the gap in the requirement of the course. Additional efforts are taken by conducting workshops, add on courses and value added courses in each program to fill the gap in the syllabus and industry needs so that the students will be job ready. To enhance the soft skills of the students various measures are taken such as soft skill training is organized To enhance and nurture the leadership quality, management of the resources, working in team is supported by various student organizations in each branch and Brainwaves' national level technical program and cultural programs are organized and managed completely by the students. To create Social and environment awareness programs such as blood donation, Donation drive to less privileged, beach cleaning, tree plantation drive, water conservation drive, world sparrow day etc. are being conducted regularly. In our goal to nurture outstanding technocrats, holistic development of students takes precedence at the institute. Therefore, the institute offers a vibrant academic ambience with excellent amenities, robust training with industry collaborations and student-centered activities on campus to promote professional and personal growth of students. The academy shares its resources for the conduction of various recruitment examinations conducted by government and autonomous institutions such as recruitment examinations for village accountants, State transport examinations etc. The college is also takes part in conducting admission related examinations such as MHCET, JEE, GATE etc. With the average fees compared to the other colleges, FAMT strives to provide quality education. This is reflected in the result of the institution where there are many rank holders among top 20 in the University of Mumbai. Since the inception of the institute in the year 1996, as per its vision of nurturing students as leaders who are tuned with Global trends with affordable cost with the aim of providing Quality education at affordable cost is being fulfilled by the institute.

Provide the weblink of the institution

<http://famt.ac.in/igac/>

#### 8.Future Plans of Actions for Next Academic Year

1) Starting new programme in computer science 2) Starting PhD program in Mechanical Engineering 3) Start preparation for NBA