Academic Brochure

A.Y. 2023 - 24

HOPE Foundation's

FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY

Institute Code: EN 3200

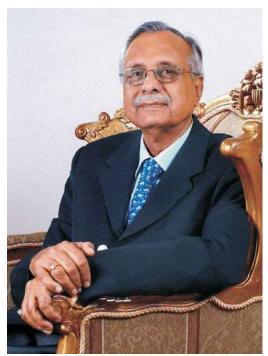Platinum Rating in AICTE CII IndPact Survey of Industry Linked Technical Institutes 2020   I

Accredited with B++ Grade by NAAC

The only Research Centre in Konkan Region for Ph.D. in Information Technology and Mechanical Engineering

Approved by   :   All India Council for Technical Education (AICTE), New Delhi

Recognized by: Director of Technical Education (DTE) Govt. of Maharashtra

Affiliated to   :   University of Mumbai

A Project of Hope Foundation - FINOLEX

In Remembrance

Late Shri Pralhad P. Chhabria
(12.03.1930 - 05.05.2016)

Founder President -
Hope Foundation and Research Centre

Founder Chairman -
Finolex Group of Companies

"I have not gone, just moved on. Each morning we are born again to work hard and live another beautiful journey."

Late Shri Pralhad P. Chhabria, Founder President, HOPE Foundation and Research Centre (HOPE Foundation) and Founder Chairman, Finolex Group of Companies has been an inspiration to many. Despite having received only primary education, with his ingenuity and inventive business strategies, Shri Chhabria established the Finolex Group of Companies in 1958 and over the years built it into a well-known conglomerate. He firmly believed that the future of our country depended on two critical aspects; quality education and women empowerment.

Shri Chhabria has been known for his philanthropic activities encompassing education, health care, religious and spiritual teachings. Through the educational institutes FAMT at Ratnagiri and I^{2}IT at Pune, he has established a number of scholarships, assistantships and cash awards for students who exhibit academic excellence but lack the financial opportunity to pursue their dreams.

Shri Chhabria often said, "It is an irony that I never had the benefit of formal education, but can now be instrumental in providing education to hundreds of deserving and underprivileged students. It gives me great satisfaction that my contribution will leave behind something lasting for these youngsters and for the country.

Pralhad P. Chhabria Awards

HOPE Foundation in association with the IEEE India Council and Women in Engineering Affinity Group, IEEE Pune Section has instituted the Pralhad P. Chhabria Awards from the year 2017, in memory of Late Shri Pralhad P. Chhabria, Founder President, HOPE Foundation. These awards acknowledge academic and professional achievements of young women for their accomplishments in the areas of Science, Engineering and Technology. Late Shri Pralhad P. Chhabria always encouraged and supported education of young women. He firmly believed that women have always been far superior to men and have the ability to make whatever they get, greater and providing them with good education in turn ensures that they not only share their knowledge and skills with their family; but harness it for the betterment of the community and the nation.

The awards are listed under the following categories:

1. Best Outgoing Female Student (Applicable to final year students who are pursuing their UG degree in Science, Engineering or Technology)

2. Best Woman Professional - Early Career (applicable to women professionals who have 3-7 years' experience in Science, Engineering or Technology)

Each award comprises a prize of Rs.1, 25,000/- (Rupees One Lac Twenty-Five Thousand Only), a medal and a citation which is sponsored by HOPE Foundation.

Being conferred with these awards is a great achievement as it is a sign of the awardees overcoming challenges they have faced in their lives. It is intended to push young women to reach their full potential and be the best for themselves as well as for those they are associated with. These awards will transform the lives of young women and play a critical role in their personal and professional development.

To know more, please visit: **http://hfrc-ieeeawards.org/**

Contents

HOPE Foundation

HOPE Foundation and Research Centre (HOPE Foundation) is a Public Charitable Trust established by Late Shri Pralhad P. Chhabria in the year 1979 with the objective of rendering social services towards nation building.

HOPE Foundation is registered under the Bombay Public Trust Act, 1950 (now known as the Maharashtra Public Trust Act, 1950) and the Societies Registration Act, 1860 under the aegis of the Finolex Group of Companies and has been contributing to the field of higher education, medical assistance and research and development activities and is successfully accomplishing its societal objectives to communities across the country.

HOPE Foundation is recognised as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), Ministry of Science & Technology, Government of India. This recognition would definitely add value to the Research & Development activities of the Foundation for undertaking various funded research projects.

At present, following educational institutions are impacting thousands of lives under the aegis of the Foundation:

Finolex Academy of Management and Technology (FAMT), Ratnagiri

www.famt.ac.in

International Institute of Information Technology (I²IT), Pune

www.isquareit.edu.in

The Foundation has been active in the field of medicine since inception, extending aid for cancer patients especially children in the form of medical assistance and life-saving drugs. It also provides technical and financial support through donations, scholarships, awards, fee waivers, and student assistantships to its students. The social communities with a 'not for profit' motto are supported to develop innovative products, technologies and services by way of association, collaboration or otherwise for the attainment of the objectives of the Trust. **Finolex Academy of Management and Technology (FAMT)** has been the first formal educational endeavour of the Foundation and was established in **1996** at Ratnagiri, Maharashtra.

International Institute of Information Technology (I²IT), Pune was established in **2003** as a world class academy to impart high-end education in Engineering and Technology to meet the growing needs of the industry. Established on 10 acres of land, this institute equips students to accept challenges in the areas of Information Technology, Engineering and other areas of expertise. I²IT is an Undergraduate Engineering Institute approved by All India Council for Technical Education (AICTE), New Delhi; Recognized by Directorate of Technical Education (DTE), Govt. of Maharashtra and is affiliated to Savitribai Phule Pune University and offers 4 years full-time B.E. courses in Computer Engineering, Information Technology and Electronics and Telecommunication with approximately 800+ students on campus.

I²IT is accredited by the National Assessment and Accreditation Council (NAAC) with B++ Grade in Accreditation Cycle 1. The accreditation is valid for a period of 5 years from 01/ 04/ 2019 to 31/ 03/ 2024.

Academic Advisory Council

	Name	Profession
	Padma Vibhushan Dr. R.A. Mashelkar	National Research Professor, President of Global Research Alliance, a network of publicly funded R&D institutes from Asia-Pacific, Europe and USA with over 60,000 scientists.
	Dr. B. B. Ahuja	Director, College of Engineering, Pune and Professor at Department Production Engineering & Industrial Management
	Mr. Nanik Rupani	Chairman, Roopmeck Electricals Pvt. Ltd. Chairman, Emeritus of Priyadarshni Academy, Mumbai Director of Echo Valley Developers, Points Projects Pvt. Ltd. And Aon Global Insurance Brokers Pvt. Ltd
	Dr. Nitin Karmalkar	Former Head of Department of Environmental Science and Department of Geology, SPPU.
	Dr. Aditya Abhyankar	Dean, Faculty of Technology, SPPU, Pune.
	Mr. Shyam G. Raheja	Chairman, Raheja Reality Pvt. Ltd.
	Dr. Ganesh Natarajan	Founder of 5F World, Chairman of Global Talent Track and Skills Alpha and a Co-Founder of two Indo-US Joint Ventures – Kalzoom Advisors and the Center for AI and Advanced Analytics.
	Dr. Srikanth Thiagarajan	Leadership role in research and development in Philips Healthcare, North America

	Dr. Sujata Naik – Tolani	Medical Doctor, On the Board of Tolani Group of Companies since 1984, Chairperson of the Governing Body of Tolani College of Commerce and the Governing Council of the Tolani Maritime Institute
	Mr. Rajiv Vaishnav	Heading the Ecosystem & Partnerships Development at GenNext Hub, a Reliance Enterprise
	Mr. Narendra Goidani	Founder of Life School
	Mr Sameer Dua	Founder, Institute of Generative Leadership
	Mr. Bharat Rajkumar Agarwal	President, Vishwakarma University and Vishwakarma Group Institute
	Mr Abhay Nevagi	Founder and Legal Advisor, Abhay Nevagi and Associates

Governing Body

Name	Profession	Designation
Ms. Aruna M. Katara	Educationist	Chairman
Dr. Mukesh D. Katara	Industrialist	Management Representative
Ms. Amrita Katara	Industrialist	Management Representative
Mr. Amit M. Katara	Industrialist	Management Representative
Mr. Saikrishna B.	Secretary of Management	Management Representative
Dr. Surendra Thakurdesai	Educationist	Nominated by Registered Trust
Dr. Kishore Sukhtankar	Nominee of the University	Member
Dr Vinod Mohitkar	I/C Director, Directorate of Technical Education, Mumbai. Maharashtra State	Member (Ex-Officio)
Dr. Kaushal K. Prasad	Principal	Member Secretary
Dr. S. B. Kulkarni	Professor FAMT	Member
Mr. Sachin S. Mestry	Assistant Professor FAMT	Member

College Development Committee (CDC) & Internal Quality Assurance Cell (IQAC)

Name	Designation
Mrs. Aruna M. Katara	Chairperson
Ms. Amrita M. Katara	Social Work
Mr. Saikrishna B.	Secretary
Dr. Kaushal Prasad	Principal
Dr. Surendra Thakurdesai	Educationist
Dr. Milind S. Kirkire	Dean Student Affairs and Head of Mechanical Engineering Department
Mr. Naresh A. Kher	Industry Representative
Mr. Girish G. Bhide	Associate Professor, Information Technology Department
Dr. Sharada V. Chougule	Associate Professor & Head of Electronics & Telecommunication Engineering Department
Dr. Vinayak A. Bharadi	Associate Professor, Head of Information Technology Department and NAAC & NBA Coordinator
Dr. Yogesh G. Mulye	Professor, Head of First Year Engineering Department & IQAC Coordinator
Mr. G. D. Targaonkar	Registrar
Mr. Yogesh Bhongale	Alumnus
Mr Taha I. Jiwaji	General Secretary - Students Council
Ms Shewta S. Salgaonkar	Ladies Representative - Students Council

Internal Quality Assurance Cell (IQAC) was set up at FAMT in pursuance of the National Action Plan of the National Assessment and Accreditation Council (NAAC), Bangalore, for performance evaluation, assessment and accreditation and quality up gradation of institutions of higher education, as a quality sustenance measure.

IQAC Weblink: http://famt.ac.in/wp-content/uploads/2022/01/Circular-Revised-IQAC-No.-228-dated-2021-09-171.pdf

Message from the President

"Dreams, determination and dedication are the stepping stones to success, so dare to dream and have courage to pursue that dream relentlessly." - Aruna M. Katara

Greetings!

College education is one of the most important investments you will ever make. It paves the path for your future. It transforms you from a student into a professional; from a young adult to an independent individual; from a son/daughter who is dependent on parents to a responsible adult who will fulfil the responsibility towards family and society. College time is where you will choose your life's path and make memories of lifelong friendships.

College education is not just about acquiring a degree or merely scoring marks. It is about learning, acquiring knowledge that will become the building blocks to a successful career ahead and help address our nation's problems and contribute to the growth of our society and our country.

Mrs. Aruna M. Katara

President, HOPE Foundation

Equally vital are the values and principles that will shape your personality into a holistic individual and a responsible citizen. You now stand at the threshold of your career.

During your four years at FAMT, you will have the opportunity to learn a lot more beyond academics. You will find this academy to be an ideal platform where you can express your abilities and hone your skills. It is the dedication and commitment of the entire team at FAMT that has been acknowledged by the fact that students have achieved university ranks as well as won accolades at various national competitions.

We hope FAMT will surpass your expectations and you will benefit from, and enjoy the holistic academic journey with us.

Welcome to FAMT!

From Principal's Desk

"Education and technology in unison empower us to explore, change, grow and shape the future of humanity." – Dr. Kaushal Prasad

Greetings!

I congratulate you on your success and choosing Engineering as a pathway to your career.

The remarkable progress in Engineering has brought exponential growth in the society and metamorphosed the world into a global village. The technological advancements in the past century have led to multi-fold changes and economic development of the society. The technology is gradually expected to have a further dominant role in human life for making it better. Accordingly, I feel that Engineering education offers a promising future that the youngsters can opt for. However, it poses a challenge of realigning Engineering with the sustainable growth that ensures a secure, healthy and productive environment for all. Technical education will prepare you to face such challenges and pave the way towards sustainable growth.

FAMT, a dream conceived by Late Shri P.P. Chhabria, has been transformed into reality under his leadership and presently under our President Aruna M. Katara. Late Shri P. P. Chhabria envisioned providing excellent technical education to nurture a skilled and creative talent pool who will contribute to the technological advancement of our nation. In accordance with his vision, the academy provides a vibrant academic ecosystem with excellent amenities, robust training in association with industry and student centric activities on campus to hone the professional and personal skills of students. Beyond academics, the holistic development of students takes precedence with emphasis on leadership and team skills, creativity, entrepreneurial skills and values. It would prepare them to face the challenges in the technical and professional arenas.

Dr. Kaushal Prasad

Principal, FAMT

As a result of the collective efforts of our management, faculty, staff, and students, FAMT has been consistently progressing on the path to success. Our students have set a tradition of securing top ranks in the university every year. They have left the lasting imprints with their outstanding performances at different levels and activities. Among 5000+ alumni spread across the globe, many of whom are working at key positions in the leading indigenous and multinational companies, pursuing higher education in the reputed institutes across the globe or have established their business ventures. I am sure that you will carry forth these glorious traditions of the academy.

Admission to Engineering is the beginning but transforming yourself into a competent professional should be your ultimate goal while you stay in the campus. During your association with the academy, you are provided the facilities and resources to grow and build the incredible potential that you hold. You should utilize these resources, your potential and energy positively to evolve yourself leading to self-enhancement and self-actualization. Believe in yourself and your abilities that would certainly help you to carve a successful career that the technical education offers.

Once again, I welcome you on behalf of the entire FAMT team and offer my best wishes to make your dreams come true!

About FAMT

Finolex Academy of Management and Technology (FAMT) was established in 1996 to impart quality technical education at affordable cost and contribute to the industrial growth of our nation. The academy is approved by All India Council for Technical Education (AICTE), New Delhi; recognized by Directorate of Technical Education (DTE), Government of Maharashtra, affiliated to University of Mumbai, and accredited with B^{++} Grade by National Assessment & Accreditation Council (NAAC) in the first cycle.

Situated on the picturesque coast of western Maharashtra, FAMT is one of the reputed engineering institutes in the region and state. The academy is known for its quality technical education and has a distinct identity in the University of Mumbai for its consistently outstanding results. The academy has received appreciation, many awards and rankings from various national bodies.

FAMT emphasises nurturing young technical professionals who are immensely dedicated and adept in their field and strongly believe in fair play and perseverance through harmonious development of mind and personality of students. Accordingly, the academy takes efforts to offer a vibrant academic ecosystem. The academy provides various incentives in the form of scholarships and prizes, and co-curricular and extracurricular platforms to foster leadership, team skills, creativity and entrepreneurial values among students.

Vision

The academy aspires to nurture students as leaders who are in tune with global trends, equipped with engineering knowledge and practical skills, to excel in creativity and innovation to play their part in the technological advancement of the nation.

Mission

- ❖ To become the foremost seat of advanced technical learning as a centre of excellence in the region.
- ❖ To offer state of the art facilities and quality education at affordable cost.
- ❖ To inculcate in students the culture of 'Play Hard and Play Fair'.
- ❖ To advance sustainable development in the region through opportunities for entrepreneurship and industry-institute interaction.
- ❖ To create a generation of young professionals who appreciate in all its aspects the necessity of balance between technological advances and traditional values.

FAMT Highlights

- ❖ Outcome-based Education
- ❖ Learner-centric pedagogical methods
- ❖ ICT assisted interactive learning
- ❖ Advanced laboratories
- ❖ Extensive library with Book Bank facility
- ❖ Centres of Excellence
- ❖ National & International Student Chapters
- ❖ Active training and placement assistance
- ❖ Employability enhancement programmes
- ❖ MoUs with industries
- ❖ 5000+ Alumni network for global reach
- ❖ Mentorship programme

Courses at FAMT

The academy offers Bachelor of Engineering (B.E) in six branches of Engineering, one postgraduate courses in Computer Application, and two doctoral programmes.

Branch Code	Branch	Status-UG/PG	Course Duration (years)	Intake	Year of Commencement
320029310	Electrical Engineering	UG	4	60	1997
320061210	Mechanical Engineering	UG	4	90	1997
320024610	Information Technology	UG	4	60	2001
320050710	Chemical Engineering	UG	4	30	2008
320037210	Electronics & Telecommunication Engineering	UG	4	60	2008
320091110	Computer Science & Engineering (Artificial Intelligence & Machine Learning)	UG	4	60	2020
320024110	Master of Computer Application (MCA)	PG	2	90	2004
320061910	Master of Engineering (Machine Design)	PG	2	18	2011
-	Ph.D. in Information Technology (Science & Technology)	Doctoral	-	10	2018
-	Ph. D. in Mechanical Engineering	Doctoral	-	10	2021

Honors/ Minor Degree Programs:

The Honors/Minor Degree Program was introduced by the Faculty of Science and Technology of the University of Mumbai from the academic year 2022-23 as per the guidelines of AICTE, New Delhi.

Finolex Academy of Management and Technology implemented the program for Third year Engineering (All Branches) to choose additional specialized courses in the emerging areas.

Eligibility: The students studying in the third year of various engineering streams can opt for this degree program. To become eligible for this degree program, the students should not have any backlog in

semesters I, II, and III, and the CGPI based on these semesters should be above 6.75. For direct second-year students, there should be no backlog in semester III, and the CGPI should be above 6.75.

Honors/Minor Degree Programs Offered from the Academic Year 2022-23

Engineering Programme	Honors/Minor Degree Programme
Electrical Engineering	Electric Vehicles
Mechanical Engineering	Electrical Vehicle
Information Technology	Data Science
Electronics and Telecommunication Engineering	Artificial Intelligence and Machine Learning
Chemical Engineering	Waste Technology

About Departments

I. Department of Electrical Engineering

Vision:

The department shall become the foremost seat by imparting advanced and progressive education in Electrical Engineering along with excellent professional skills and character to meet industrial and social challenges.

Mission:

M1: To ascertain qualitative teaching-learning process through the art of teaching pedagogy and meticulous continual assessment

M2: To provide a supportive environment that facilitates industrial exposure to produce quality engineers who will excel globally

M3: To promote the versatile development of students through training of soft skills

M4: To imbibe moral, ethical and social values among students

The revolutionizing age of technology dawned with electricity and subsequently, Electrical Engineering as a domain of study and research. Understanding this importance, the Department of Electrical Engineering was established in 1997 which offers a Bachelor degree in Electrical Engineering. The department emphasizes rigorous training in analytical and experimental techniques, an integrated approach of the field and dealing with problems to equip the students with skills to face challenges in the industry. The department has a strong team of highly qualified faculty to back our commitments. Besides academic activities, the faculty members are active in research presented through

conferences and journals. Certainly, the efforts of faculty and students have brought many accolades to the department.

Highlights of the Electrical Engineering Department:

- Professional development through interactions with experts, workshops, training & field visits
- Employability enhancement initiatives like preparation of aptitude test and interview
- Guidance for higher studies especially for preparation of GATE
- Computer Laboratories equipped with software like Sci-Lab, MPLab, LT-SPICE
- Grant and funding for projects

Laboratories:

1. Basics of Electrical Engineering Lab
2. Switchgear and Protection Lab
3. Electrical Measurement Lab
4. Electrical Machines and Drives Lab
5. Computer Lab - I
6. Computer Lab - II
7. Control Systems Lab
8. Power Electronics and Automation Lab

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First to Final Year Electrical Engineering, please visit**:** www.mu.ac.in/syllabus .

Memorandum of Understanding with industries: Indesco, Thane and ShiemVoltech, Ratnagiri

Students' Association: Electrical Engineering Students' Association (EESA)
EESA's Technical Fest: ELEKTRA
Publication: Electrazine

Head of the Department: Dr. Jayant J. Mane
Email: hodee@famt.ac.in
Web link: http://famt.ac.in/electrical-engineering/

II. Department of Mechanical Engineering

Vision:

To become a centre of quality education by developing competent engineers who can address global challenges in the field of Mechanical Engineering.

Mission:

M1: To establish state of the art facilities in the department enabling effective training of students and creating a research environment.

M2: To evolve competent technical professionals through effective delivery of curriculum and contents beyond, which fulfil the needs of the industry and society.

M3: To inculcate a sense of social responsibility and human values among students.

Since the establishment in 1997, the Department of Mechanical Engineering has carved a niche for itself by offering the most competent instructional programmes leading to four years B.E. and PhD programs in Mechanical Engineering. The major goal is to develop outstanding technocrats in the field of Mechanical Engineering who will play a catalyst role to change the social and technological scenario of the nation. The qualified, experienced and competitive faculty members are well complemented by the state of art laboratories, workshop and overall

infrastructure helping to inculcate a culture of logical and critical thinking among students to solve Scientific and Engineering problems in the Mechanical and allied fields of Engineering. The workshops/training programs are conducted in collaboration with industries/industry experts to impart skills to make the students industry ready is one of the key differentiators.

Highlights of Mechanical Engineering Department:

✓ State-of-the-art facilities such as –
  a) Industry supported Centre of Excellence in Computer Aided Product Development and Automation having - high configuration computer terminals, application software like - ANSYS, Solid Works, CAM works, Auto Desk Inventor, AutoCAD, and CATIA, Robotic arm, Advanced Vibration Measurement and Virtual Instrumentation facility having National Instruments (Texas, USA) LabVIEW Software with Data Acquisition Hardware, Production grade CNC machine, pneumatics set up.
  b) Industry sponsored Project Based Learning (PBL) Laboratory
  c) CAD/CAM/CAE centre with high configuration computer terminals and application software like - ANSYS, Solid Works, CAM works, Auto Desk Inventor, AutoCAD, and CATIA.
  d) Robotics Lab.
  e) Advanced Vibration Measurement and Virtual Instrumentation Lab: National Instruments (Texas, USA) LabVIEW Software with Data Acquisition Hardware
✓ Collaborations with industries for mutual interactions, projects, internships, training and placements
✓ Value addition through various courses resourced by industry experts
✓ Enrichment of students through guest lectures, workshops, industrial visits, employability enhancement sessions
✓ Continuous support for higher studies resulting in many students pursuing their postgraduate studies in IIT, IIM, NITs, NIDs, many reputed institutes in India and Universities of US, Germany, and UK
✓ Encouragement to students to participate in various co-curricular and extra-curricular events such as: paper presentations in technical symposia, national and international conferences, sports and cultural events
✓ Support and guidance to the students to participate in SAE BAJA competition
✓ Tradition of producing excellent results
✓ Remarkable placements

Laboratories:

1. CAD/CAM/CAE Centre
2. Robotics Lab.
3. Advanced Vibration Measurement and Virtual Instrumentation Lab.
4. Akash Lab.
5. Mechatronics and Automation Lab.
6. Internal Combustion Engines Lab.
7. Automobile Engineering Lab.
8. Metrology and Measurement Lab.
9. Material Technology Lab.
10. Fluid Mechanics and Hydraulic Machinery Lab.
11. Refrigeration and Air Conditioning Lab.
12. Material Testing Lab.
13. Dynamics of Machinery Lab.
14. Engineering Mechanics Lab.
15. Thermodynamics and Heat & Mass Transfer Lab.
16. Workshop – (Carpentry, Fitting, Sheet Metal, Welding, Machine Shop, Plumbing, and Smithy

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First to Final Year Mechanical Engineering (UG & PG), please visit**:** www.mu.ac.in/syllabus .

Memoranda of Understanding with industries:

1. Mechatol Product Engineering Solutions Pvt. Ltd.
2. Indofab Industries
3. Prudentia Technology Solutions India Pvt. Ltd.
4. J J Engineering works
5. Saur Mandal Solar
6. Bhagirathi Enterprises

Students' Associations/ Chapters:

1. FAMT ISHRAE Students' Chapter (Indian Society of Heating Refrigerating and Air Conditioning Engineers)
2. FAMT ASME Students' Chapter (American Society of Mechanical Engineers)
3. FAMT ASHRAE Students' Chapter (American Society of Heating Refrigerating and Air Conditioning Engineers)
4. Society of Automotive Engineers (SAE) Collegiate Club
5. Mechanical Engineering Students' Association (MESA)

MESA's Technical Fest: MECHOTSAV
Publication: MECHAZINE

Head of the Department: Dr. Milind S. Kirkire
Email: hodmech@famt.ac.in
Web link: http://famt.ac.in/mechanical-engineering/

III. Department of Information Technology

Vision:

To provide excellent Information Technology education and aspire to nurture students as leaders who are in tune with global IT trends.

Mission:

M1: To enrich students by rigorously implementing quality education (Knowledge)

M2: To empower the students with the required skills to solve the complex problems of modern society by following collaborative, multidisciplinary and sustainable activities (Skills)

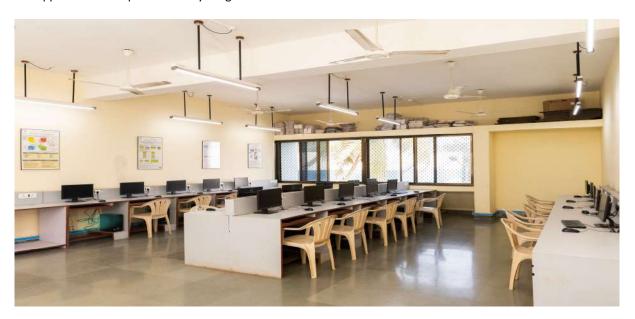M3: To imbibe professional ethics and social values in the students and make them responsible citizens (Attitude)

FAMT started the Bachelor of Engineering programme in Information Technology (IT) from the academic year 2001-2002. The emphasis of B.E. in Information Technology curriculum is on Computer Science, Software Development, Data Analytics, Networking, Communication, Web Engineering, Security, Multimedia Processing, and Artificial Intelligence. Specialized knowledge of the analysis and design of information systems is imparted.

Research Centre: Department of Information Technology has started a Ph.D. Research Center approved by the University of Mumbai, with a sanctioned intake of 10. FAMT is the only institute in the Konkan region to offer the Doctoral Study Programme.

Highlights of Department of Information Technology:

✔ Extensive use of Edmodo LMS in teaching
✔ Online quizzes on lab experiments over www.testyou.in and Google forms
✔ Subject-specific crosswords for interactive learning

- ✔ Microsoft Virtual Academy for Staff and Students Certification
- ✔ Intel Centre of Excellence for IoT Smart Cities Application Development
- ✔ Hackathon for hands-on coding practice
- ✔ Industry sponsored projects for final year students
- ✔ Promoting research culture through project exhibition and paper publication by students
- ✔ NVDIA Developer Program
- ✔ Amazon AWS Classroom Program
- ✔ Amazon AWS Academy
- ✔ Apple iOS Developer University Program

Laboratories:

1. Computer Networks Lab
2. Database Lab
3. Programming Lab
4. Software Engineering Lab
5. Multimedia Lab
6. Open-Source Lab
7. Computer Centre I
8. Computer Centre II

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First to Final Year Engineering in Information Technology, please visit**:** www.mu.ac.in/syllabus

Memoranda of Understanding with industries:

1. Intel Inc.
2. Microsoft Virtual Academy
3. Apple iOS - Developer University Program
4. NVIDIA Developer Program

Students' Association: FAMT-ACM Students Chapter
Publications: 1. Infovibes 2. iNews

Head of the Department: Dr. Vinayak A. Bharadi
Email: hodit@famt.ac.in
Web link: http://famt.ac.in/information-technology/

IV. Department of Chemical Engineering

Vision:

To be the prime seat of quality education in Chemical Engineering that nurtures and promotes innovations, creative thinking, and leadership.

Mission:

M1: To provide quality education, to meet the changing needs of industry

M2: To provide theoretical knowledge and hands-on experience through the classroom and laboratory sessions

M3: To develop a quest for research in the field of Chemical Engineering.

M4: To produce morally, ethically and socially responsible Chemical Engineering graduates.

The Department of Chemical Engineering, one of the core branches, was started in 2008. The Department always strives to make its students capable of becoming a successful professional. With its experienced and qualified staff members, the department has developed a system where rural students from the Konkan region are transformed into potentially talented Chemical Engineers. The department is extremely proud of its full-fledged laboratories. The department is ever ready to fulfil the aspiration of all the students who dream to become a successful technocrat in the field of Chemical Engineering.

Highlights of Chemical Engineering Department:

✓ Experienced and qualified teaching staff

✓ Highly developed and well-equipped laboratories

✓ A tradition of nurturing and promoting innovations among students

✓ Highly evolved teaching-learning process

✓ Bridge Courses at the onset of each semester to strengthen the fundamentals

✓ Course enrichment to teach advanced concepts

Laboratories:

1. Environmental Engineering Lab.
2. Mass Transfer Operations Lab.
3. Computer Applications Lab.
4. Instrumentation and Process Control Lab.
5. Chemical Reaction Engineering Lab.
6. Heat Transfer Operations Lab.
7. Fluid Flow Operations Lab.
8. Solid Fluid Mechanical Operations Lab.

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First to Final Year Chemical Engineering, please visit: www.mu.ac.in/syllabus .

Memorandum of Understanding with industry:
1. Vinati Organics Ltd., Lote
2. Rashtriya Chemicals and Fertilizers Ltd
3. Shivoham Membrane Systems, Kabnur, Ichalkaranji,
4. IOPE, Dr BATU, Lonere, Raigad

Students' Association: Association of Chemical Engineering Students (ACES)
ACES Technical Festival: EXOTECH
Publication: Rasayantriki

Head of the Department: Dr. Nitin G. Kanse
Email: hodchem@famt.ac.in
Web link: http://famt.ac.in/chemical-engineering/

V. Department of Electronics & Telecommunication Engineering

Vision:

To develop competent professionals who will be able to contribute effectively to the advancing electronics & telecommunication technologies.

Mission:

M1: To provide a quality education through technical knowledge and practical skills

M2: To promote industry interaction to meet current and future trends

M3: To inculcate teamwork spirit, leadership qualities, and human values

The Department of Electronics and Telecommunication Engineering (E&TC) was established in 2008. Since its commencement, the primary objective of the department is to develop competent professionals who will be able to contribute effectively to the advancing Electronics & Telecommunication technologies through quality education and industry interaction.

The department has a good academic culture and a conducive working environment for teaching-learning and students' activities. It has well-equipped laboratories in the areas of Electronic Devices and Circuits, Analog and Digital Communication, Digital signal processing, PCB design, Antenna, and Fiber optics communication. The department makes every effort to develop analytical and practical skills among students through additional training programs, workshops, expert talks, industrial visits, etc. Apart from the academic excellence, the department also

encourages students to organize and participate in outreach and extension activities through ASENT, to improve their leadership and managerial qualities and to experience teamwork.

Highlights of Electronics & Telecommunication Department:

✔ Honors Minor Course in Artificial Intelligence & Machine Learning (AIML)
✔ Centre of Excellence and Cisco Networking Academy
✔ Experienced & qualifies teaching staff
✔ Emphasis on project-based learning
✔ Spacious laboratories with state-of-the-art equipment/instruments
✔ Ample Electronic components and consumables
✔ Additional courses & training programs to meet industry needs
✔ Workshops, expert talks, project exhibition, co- and extracurricular activities

Laboratories:

1. Electronic Devices and Circuits Lab.
2. Circuit Simulation Lab.
3. RF Circuits and Communication Lab.
4. Digital Signal Processing Lab.
5. Advanced Communication Engineering Lab. -1
6. Advanced Communication Engineering Lab. -2
7. PCB Design Lab.
8. Microprocessor Lab.

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First to Final Year Electronics & Telecommunication Engineering, please visit: www.mu.ac.in/syllabus .

Memorandum of Understanding with industry: Jeet Fortunelines Pvt. Ltd., Sangli

Students' Association: Association of Students of Electronics & Telecommunication (ASENT)
ASENT Technical Fest: TechSpring
Publication: TeleConverse

Head of the Department: Dr. Sharada V. Chougule
Email: hodextc@famt.ac.in
Web link: http://famt.ac.in/electronics-and-telecommunication-engineering/

Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Vision:

To provide state of the art Computer Science Engineering knowledge and prepare the students for a globalized technological society and orient them towards serving the society.

Mission:

M1: Lead the advancement of computer science, computer engineering, information technology, and cybersecurity through internationally recognized research and education, as well as technology transfer.

M2: Provide quality learning experiences through effective classroom practices, active learning styles of teaching, and opportunities for meaningful interactions between students and faculty.

M3: To imbibe skills in students to address the needs of the industry.

M4: To inculcate professional behaviour, strong ethical values, innovative research capabilities and leadership abilities.

FAMT started the Bachelor of Computer Science Engineering (Artificial Intelligence- Machine Learning) from the academic year 2020-2021. B.E. in the CSE-AIML curriculum emphasizes Computer Science, Artificial Intelligence, Machine Learning, Deep Learning, Data Analytics, Networking, Communication, Web Engineering, Encryption, and Security.

Artificial Intelligence is usually adopted to solve customer service issues, inform people about the latest news along with giving them live traffic updates and weather forecasts. Machine Learning is often used to power recommendation engines that provide suggestions based on past customers' behaviors.AI ML is a ubiquitous technology to build applications and deployment for automation in the near future. These technologies will make their impact in the domain of data analytics, which is driving the current business models.

Highlights of Department of Computer Science and Engineering (AI & ML)

1. Online Quizzes for Lab experiments.
2. Subject specific crosswords for interactive learning.
3. Project based learning for all engineering years.
4. Promoting research culture through project exhibition and paper publication by students.
5. Encouraging students to participate in Hackathon for hands-on coding, project competitions and other technical competitions for their skill enhancement.

Laboratories:

1. Cloud Computing and Networking Lab
2. Database and Software Development Lab
3. Artificial Intelligence and Machine Learning Lab
4. Data Analytics Lab
5. Project Lab
6. Digital and Microprocessor La

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First to Final Year Engineering in CSE-AIML, please visit: www.mu.ac.in/syllabus.

Memorandum of Understanding with Industry: Benchmark IT Solutions (I) Pvt. Ltd, Pune.

Students' Association: Association of Computer Science and Engineering Students (ACSES)
ACSES Technical Fest: TechVenture

Head of the Department: Prof. V. V. Nimbalkar
Email: hodcse@famt.ac.in
Web link: http://famt.ac.in/computer-science-engineering/

VII. Department of Master of Computer Application

Vision:

Department endeavors to transform students into technologically competent professionals to meet the global IT challenges.

Mission:

M1: To provide quality education and necessary skills to create competent professionals in Computer Applications

M2: To encourage innovations and research to develop sustainable solutions for benefit of IT industry by providing robust theoretical foundation and in-depth practical training

M3: To nurture social, ethical and professional responsibilities among students

The Department of MCA was established in 2004 to offer a two year professional postgraduate degree in Computer Application. Master of Computer Application (MCA) is one of the most desirable post graduate programmes available to pursue a career in the software industry.

The Department of MCA has experienced faculty members who play a major role in the effective implementation of the teaching learning process and also takes pride in the performance of its students who have brought laurels to the department through their meritorious performances and by securing ranks in the university examinations.

Student Association of MCA (SAM) organizes various departmental and intercollegiate competitions and events based on Software and Web Designing, Online Aptitude Exam, Technical Paper Presentation, Short Film-making and

PowerPoint presentation to develop and enrich professional and managerial skills among students. SAM also conducts various training and placement activities.

Highlights of Department of Master of Computer Application:

✓ Google Classroom, OwnCloud to offer students access to study material, quiz, assignment, model question papers, lab work and other academic resources.
✓ Red Hat Academy (RHA) Training and Certification Centre
✓ Memorandum of Understanding (MoUs) with IT industries for academic projects, corporate training and placement
✓ On-field training for a semester in reputed companies and government offices to give insights of the IT world

Laboratory: Computer Application Lab

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First to Final Year Master of Computer Application, please visit**:** www.mu.ac.in/syllabus .

Memoranda of Understanding with industries:

1. Gadre Infotech Pvt Ltd, Ratnagiri
2. Pleximus, Ratnagiri
3. Benchmark IT Solutions
4. AARYAK Solutions, Ratnagiri

Students' Association: Students' Association of MCA (SAM)
SAM Technical Fest: Excellentia
Publication: MCA Vartapatra

Head of the Department: Prof. Tejas V. Joshi
Email: hodmca@famt.ac.in
Web link: http://famt.ac.in/famt-mca/

VII. Department of Science & Humanities

Vision:

Department aspires to impart strong fundamentals in science and mathematics along with professional skills among young engineering aspirants.

Mission:

M1: To foster the learning of requisite fundamentals in science, mathematics and encourage the learners to apply it in different fields of engineering

M2: To nurture analytical ability, critical thinking, communication skills, professional ethics and a sense of social responsibility among students

M3: To encourage innovative teaching-learning practices and provide state of the art facilities for a conducive academic ambiance.
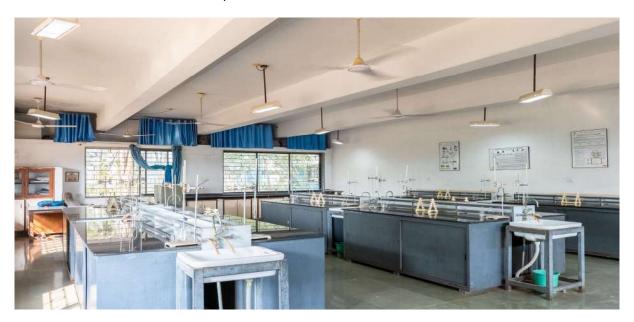
The Department of Science and Humanities primarily conducts **First Year Engineering** for all Engineering branches. The department undertakes teaching of the basic sciences and social aspects such as Applied Sciences, Communication and Soft Skills and Professional Ethics. The department also undertakes teaching of the basic engineering principles through subjects relevant to different Engineering branches. These courses are taught with a practical approach at various stages of Engineering and MCA programmes. The department has state of the art resources to impart practical knowledge relevant to these courses.

The department provides a comprehensive learning environment to help students in developing their intellectual and thinking capabilities essential to become proficient members in the Science and Engineering communities. Along with academics, the department focuses on instilling professional values, leadership and team skills among

students. The department has a team of experienced and committed faculty members from diverse disciplines who skilfully facilitate interdisciplinary teaching and actively pursue research, faculty development programmes, orientation courses, and online NPTEL courses in association with the reputed institutes. The department has the distinction of publishing and presenting maximum numbers of technical papers in journals and conferences. The faculty has also procured research grants to pursue research projects from the University of Mumbai.

Highlights of Department of Science and Humanities:

- ✔ Interactive pedagogical methods
- ✔ ICT assisted learning and evaluation methods
- ✔ Add on courses - bridge course and course enrichment
- ✔ Activities for the holistic development of students

Laboratories:

1. Applied Chemistry Lab.
2. Solid State Physics Lab.
3. Optics Lab.
4. Engineering Mechanics Lab.
5. Basic Electronics and Electrical Engineering Lab.
6. Drawing Halls
7. AutoCAD Lab
8. C programming Lab
9. Workshop - (Carpentry, Fitting, Sheet Metal, Welding, Machine Shop, Plumbing, and Smithy)

Syllabus & Examination Scheme: For the detailed syllabus and the examination scheme of First Year Engineering, please visit**:** www.mu.ac.in/syllabus .

Students' Association: First Year Students' Association (FESA)

Head of the Department: Dr. Yogesh G. Mulye
Email: hodfe@famt.ac.in
Web link: http://famt.ac.in/first-year-engineering/

Faculty & Staff

The academy has a team of well- qualified, experienced and dedicated faculty and staff members. Many of the faculty members have graduated from reputed institutes like IITs, IISc, NITs, COE Pune, VJTI, Walchand and so on. Academic freedom, ethical and transparent policies are some of the key motivators for our faculty in their academic and research pursuits. The faculty members are encouraged to pursue higher education in reputed institutes. As a result, most of them have completed post-graduation and some of their PhDs from renowned institutes across India. Faculty Development Programmes (FDP), Short Term Training Programmes (STTP), Orientation courses, Seminars/Webinars and Workshops are often organized for the faculty in association with the University of Mumbai and IITs to enrich the quality of education we impart to our students. The faculty is also encouraged to pursue NPTEL Online Courses for constant up-gradation in their knowledge and teaching.

Highlights:

1. Average Experience: 16 years
2. No. of Faculty with Industry Experience: 22
3. No. of Faculty with Ph.D: 14
4. No. of Faculty pursuing Ph.D: 06
5. Research papers in international and national conferences or journals: 750+ (last 5 years)
6. Books Published: 32
7. Patents: 11
8. Minor Research Projects funded by the University of Mumbai: 09

For the detailed faculty profile, please visit: http://famt.ac.in/all-faculty/

Amenities at FAMT

Situated on 25 acres of land in MIDC Mirjole, Ratnagiri, FAMT has more than 2 lacs sq. ft. (19795sq.mtr) built-up area with state-of-the-art infrastructure. The built-up area includes:

1. Administrative Block
2. Electronics and Electrical Block
3. Mechanical and Chemical Block
4. IT Block
5. Workshop Building
6. Canteen

The academic buildings consist of spacious Lecture and Seminar Halls, Auditorium, Laboratories, Central Library, Computer Centres, Student Facility Centre, and other utility areas. Remarkably beautiful, clean and green landscapes surrounding these buildings offer a serene ambiance of learning. Besides, the campus has its security system with CCTV Surveillance.

Central Library:

The Central Library is housed in more than 6100 sq. ft. area and has 36077 books. It is digitized with Online Public Access Catalogue (OPAC) enabling the user to remotely check the availability of books in stack and books issued to the member.

Along with the conventional book borrowing facilities, the following resources and facilities are made available in the library:

✓ Computing facility with internet &Wi-Fi connectivity

✓ Separate section for competitive examinations to support students in preparation of exams such as GATE, GRE, UPSC and MPSC

✓ Total 452 Springer link international e-journals with campus-wide access

✓ 650 e-books and 452 e-journals with campus-wide access & National Print Journals 48

✓ Digital self-learning platform through more than 4000 NPTEL Video Lectures and tutorials prepared by various IITs and NITs

✓ Digitized question papers of previous End Semester Examinations on the library webpage

✓ Separate facility for Divyang students by providing books as requested by them anywhere in campus viz. classrooms, laboratories, etc.

✓ Book bank facility for SC/ST students

✓ Anti-plagiarism software

ICT and Networking Facility:

ICT and networking facilities are pivotal in augmenting the learning process and learners' needs for information in the classroom. To cater to this changing demand, all academic blocks are facilitated with broadband internet connectivity through LAN and Wi-Fi. Each department has ICT enabled classrooms and a seminar hall for ICT assisted teaching-learning. The academy has A-View Facility to arrange webinars and programmes in interactive video-conferencing mode. Computer Centres and other computer laboratories in the academy are well-equipped to cater to the academic requirements of all courses with standard specifications such as:

✓ Multimedia desktop and workstations

✓ Advanced Software in Laboratories

✓ OFC connection with bandwidth of 150 Mbps

✓ Dedicated line of 50 Mbps for Wi-Fi.

Student Facility Centre:

Student Facility Centre (SFC) assists students in administrative matters and is handled very efficiently by a dedicated team of staff. SFC through various counters facilitates:

✓ Admission Procedure

✓ Scholarships

✓ Examination

✓ Certification

ERP System:

To provide automated, authentic and accurate information and services for the overall management and administration of the academy, a complete cloud-based Institute Management ERP Solution (WEB DESK) is being implemented from the Academic Year 2018– 19.

Webdesk provides a source of information and offers modules with robust features needed for students, parents, faculty, staff and the management of the academy. Some of the key modules that the Webdesk ERP Solution would provide includes Admission Management, Fee Management, Examination Management, Faculty Allocation and Course Plan, Student Attendance, Students/ Parents Login, Library Module, Teaching Feedback, etc. for the efficient, effective and errorless dissemination of various information and services to all stakeholders of the academy.
FAMT ERP Portal login: https://famt.akronsystems.com/pLogin.aspx

Medical Facility:

The academy immediately responds to the best of its ability within the available medical resources on campus to a preliminary/ First Aid treatment in case of a medical emergency. The academy has a Medical Room where a doctor will be available on call and has tie-ups with an ambulance service. The academy provides various facilities for the physically challenged such as ramps, a wheelchair, and washrooms.

Consumer Store & Canteen:

FAMT has a Consumer Store on its premises which provides stationery and services such as photocopying, printing, binding and lamination at reasonable costs.

FAMT Canteen is spacious and has separate provisions for students and faculty. It can accommodate 350 plus students and 85 faculty members at a time. A variety of Indian cuisines is served.

Hostel:

FAMT has separate hostels for boys and girls, located in Finolex Housing Colony at Zadgaon, Ratnagiri (about 7 km from campus). Bus transportation, to and from the hostels, is provided to the hostel residents. These hostels accommodate 114 boys and 90 girls. The accommodation in hostels is provided on a first-come-first-served basis. These hostels have:
- ✔ Furnished ventilated and spacious rooms on twin sharing basis with a clean and calm environment for studies
- ✔ Recreational facilities such as TV with dedicated dish connection, newspapers and magazines (two English, one national & local language), indoor games (Carrom & Chess), and playgrounds for outdoor games (Cricket, Volleyball, Football & Basketball) are available for students.
- ✔ Medical facility on the premises of the hostel for any medical assistance.
- ✔ Resident warden along with the college faculty residing in the colony to look after the hostellers.
- ✔ Security personnel round the clock to guard the entire colony.
- ✔ Hostel Cafeteria, with a spacious dining hall, serving three vegetarian meals a day.
- ✔ Hostel mess is mandatory for all students staying at hostel.
- ✔ The students need to pay separate charges for the mess facility to the caterer.

Hostel Web link: http://famt.ac.in/hostel/

Students' Corner

FAMT has established different cells that are actively involved in activities to foster professional and personal skills and values essential to achieve the educational and professional goals of our students.

Research Development and Consultancy Cell:

Research Development and Consultancy Cell (RDCC) promotes research, development and consultancy in the academy, and motivates the faculty and students to undertake research projects through awards/incentives. RDCC monitors on-going research projects, guides staff and students to provide solutions through research and organizes programmes to infuse research culture among faculty and students. It helps to explore in-house expertise in various subjects and to provide consultancy.
Weblink: http://famt.ac.in/research-and-development/

Intellectual Property Right Cell:

Intellectual Property Right Cell assists in getting IPR protection and alerts the students and teachers about plagiarism. Further, it organizes the orientation programmes related to IPR and provides assistance in getting facilities for the faculty, staff and students.
Weblink: http://famt.ac.in/ipr-cell/

Institution Innovation Council:

IIC was set up from the academic year 2018-19 as per the norms of Innovation Cell, Ministry of HRD, Government of India. The council conducts sessions to encourage students regarding innovations and start-ups.
Weblink: http://famt.ac.in/iic-famt/

Innovation and Entrepreneurship Development Cell:

FAMT Innovation and Entrepreneurship Development Cell encourages students to look beyond placements and initiate entrepreneurial ventures. It promotes innovation driven entrepreneurship culture through students' projects. IEDC organizes different activities like business planning, competition for projects based on innovative ideas, and Entrepreneurship Awareness Camp. IEDC team consists of faculty and student coordinators, and student members.
Weblink: http://famt.ac.in/iedc/

FAMT ISTE Chapter:

Indian Society for Technical Education (ISTE) is a national, non-profit organization that promotes and encourages co-curricular activities in technical institutes of the country since 1968. FAMT conducts the co-curricular activities under the FAMT ISTE Chapter. It manages technical events at different levels; wherein, eminent people from industry and research are invited to interact with students.
Weblink: http://famt.ac.in/famt-iste-chapter/

FAMT Remote Centre:

FAMT is one of the remote centres for IIT Bombay and IIT Kharagpur. The remote centre facilitates organizing workshops and seminars by the experts from IIT and industry for students and faculty through A-View Facility.

FAMT NPTEL Local Chapter:

NPTEL is a joint venture of IITs and IISc which offers varied short term online courses in a number of disciplines. FAMT NPTEL Local Chapter encourages the faculty and students to pursue online courses offered through NPTEL online portal. NPTEL Local Chapter takes pride in being awarded **A Grade** for the best performance of faculty and

students in online examinations. Since inception, more than 300 participants from FAMT have completed NPTEL certification which includes 42 national toppers, 27 Gold, and 142 elite rankings. Thus, students and teachers of FAMT are better equipped with technical knowledge of the best teachers from these elite technical institutions.

Online Learning Platforms - Coursera, IBM Skillshare, Infosys Springboard:

Institute has made a strategic partnership with world's leading online education providers like Coursera, IBM Skillshare and Infosys Springboard. FAMT students can access state online certificate courses in the field of technology, finance, data science, Machine learning, cloud computing etc. at totally free of cost. These online courses are taught by Industry personnel and professors from world's top universities of USA, UK, Australia, Singapore etc. Companies like IBM, Google, Cisco, Intel, Amazon also provide certification courses. The students get certification on completion of course which enhances their employability.

Department of Lifelong Learning & Extension:

Department of Lifelong Learning & Extension (DLLE) is a statutory body of University of Mumbai that promotes a meaningful and sustained rapport between the universities and community. DLLE was established at FAMT to sensitize the students about the socio-cultural realities. The department offers extension projects encompassing social issues to students. A student is awarded additional 10 marks in the final exam on completion of 120 hours of extension activities and submission of a report.
Weblink: http://famt.ac.in/dlle/

Cultural Committee:

Cultural Committee focuses on inculcating social and national values among students and their versatile development through participating in cultural events including Performing Arts, Fine Arts and Literary Events at University, State and National Level. University Youth Festival, Purushottam Karandak, Declamation Competition by Nehru Yuwa Kendra, Lokankika by Loksatta are a few competitions where students from FAMT Cultural Committee participate and succeed. Continuous encouragement and necessary guidance are provided to the students to participate in various activities. It boosts their interpersonal and personal skills to ultimately develop a well-groomed personality. The committee also contributes in organising annual programmes namely:

- **Utopia** is a platform for students to showcase their talent in extra-curricular activities such as drama, dance, singing, and fine arts like sketching, painting, rangoli through a platform called Kalakriti.
- **Brainwaves** is a co-curricular platform of inter-college competitions in debate, poster making, working model, essay writing, technical paper presentations, quiz, talent circus, group discussion and so on.
- **Founder's Day** is organized in memory of Late Shri. P. P. Chhabria in support of various social causes especially. It aims to create a sense of a social responsibility in students to contribute to the welfare of the society. It includes blood donation camps, plantations, and cleaning drives on beaches and national heritage sites. Various NGO's working for orphans, destitute women and farmers like NAAM; MAHER, Aashadeep, Ratnagiri Remand Home and Aavishkar receive support from our students and faculty.

Weblink: http://famt.ac.in/cultural-cell/

Sports Cell:

Sports Cell organizes Annual Sports Fest, inter department tournaments in various indoor and outdoor sports, to inspire students to stay active and reach their potential in sports and fitness. FAMT has always encouraged its young engineers to participate in inter– college, inter-university, state, national level sports events with the financial assistance.
Weblink: http://famt.ac.in/sportsdept/

Nature Club:

Nature Club was set up to sensitize our students and encourage them to preserve and protect the environment. The club is quite active in raising awareness and generating efforts on environment protection through street plays, exhibitions, and various environment related programmes.
Weblink: http://famt.ac.in/nature-club/

Incubation Centre:

The Incubation Centre at FAMT is established to support social entrepreneurship where students, immediately after graduation, can get guidance, mentoring, physical space and network for funding and value-based collaboration.

Established in 2018, Incubation Centre promotes social start-ups by guiding them right from the stage when social problems are articulated and possible solutions are proposed, to ensure that these ventures create impactful and sustainable solutions at appropriate scale.

Finolex Academy Alumni Association (FAAA):

FAMT set up Finolex Academy Alumni Association (FAAA) in 2000 with the first graduating batch of Electronics Engineering. Each student graduating from the academy is a member of FAAA. To create a strong bond with our alumni, FAMT holds alumni interactions, a way to share their views and industrial experiences that would prove beneficial to our students.
Weblink: https://alumni.famt.ac.in/

Institute Publications:

Samwad, the annual magazine for creative writings, exhibits creative talent of students in poetry, story writing, technical and non- technical expositions, paintings and sketches.

Verve, a biannual e-newsletter, is published at the end of every semester. It shares updates on the activities and achievements of students, faculty and the academy to students, alumni and the society.

Training & Placement Cell

Training and Placement Cell actively interfaces with the reputed organizations for arranging interviews and campus drives. The Cell endeavours to carve specialized courses, workshops and corporate training sessions. Industry experts are invited intermittently to improve the knowledge of our students with the most recent technological developments and industry hones. We foster graduates who are well prepared to deal with the working standards of the industry in public and private sectors and help each student to characterize his/her career interest through expert advice.

Highlights:

1. FAMT ranked among top 50 private Engineering institutes in India for placements by Times Group-I3RC
2. Rated in Gold Category Institute with Excellent Training and Placements 2022 by BW Business World Awards 2023
3. Placements in 80 + Companies

Goals:

1. To provide summer industrial training for students
2. To arrange seminars, workshops and lectures by experts from industry
3. To offer career guidance for competitive exams and higher studies
4. To organize Campus Interviews for pre-final and final year students
5. To arrange Industry– Institute interaction to establish a rapport with industry

T&P Cell offers Exponential Career Path (ECP), a comprehensive and rigorous programme, to hone the professional skills of students. ECP begins with counselling and continues through the span of four years while assisting students in training and placement by constant exposure to the industry, projects, industrial training and training-based tasks. It strives to give equal opportunities to all. Round the year, the cell conducts rigorous training and placement activities such as:

1. AMCAT Assessment Test
2. Aptitude Test Training from Professionals
3. Interview Practice
4. GD Practice
5. Industry Expert Sessions
6. Technical Sessions
7. Industry Visits
8. Industry Specific value-added Courses and trainings
9. GMAT/GRE/TOEFL Guidance
10. Guidance for entrepreneurship
11. Motivational sessions
12. Career counselling sessions
13. Webinars
14. GATE Coaching from Professional

Skill Development Using Software:

1. Selvio for Interview Practice
2. FAMT Moodle for Aptitude Test Practice
3. FAMT OwnCloud for Sharing Information
4. EduTech Soft Skills Online Portal

5. Language Laboratory
6. GTT + Barclays Online Portal
7. FirstNaukri.com Online Assessment
8. Wheebox.com online assessment

ECP has been crucial in the placement of our students in various leading companies. Besides, FAMT has made Memoranda of Understanding (MoUs) with the industries which provide learning exposure and resources to students to enhance their employability.

Memoranda of Understanding (MoU) with FAMT:

1. Excel Education and Training Services, Mumbai
2. Global Talent Track, Pune
3. Aspiring Minds, Haryana

Campus Recruitment Nodal Centre for:

❖ Wipro
❖ L&T InfoTech
❖ Acty System
❖ Asahi Glass (AIS)
❖ Paramatrix

❖ Clover Infotech
❖ Ronch Polymer
❖ Flextronics
❖ Dexcel Plast

❖ Webtech
❖ Mphasis
❖ Vyomlabs
❖ Jocata
❖ Rivigo
❖ Jaro Education

Training & Placement Officer: Prof. Kishor R. Bhosale
Email: tnp@famt.ac.in
Weblink: http://famt.ac.in/tnp/

Students' Welfare

The academy is keen on providing a healthy and cohesive learning environment through various initiatives and incentives such as:

Prizes and Scholarships:

Fostering literacy and excellence in education and research are the main concerns of the foundation promoted by Finolex. With the generous patronage of our Founder President Late Shri P. P. Chhabria, various prizes are given every year to meritorious and scholarships to underprivileged students. These incentives aim to imbibe the spirit of competition among students and exhibit their potential to excel in their field and research. These prizes and scholarships are:

1. Late Shri P. P. Chhabria Award with Cash Prize of Rupees 10,000/- for the student with the highest aggregate marks (Semester I and II) in First-Year Engineering in the academy
2. Late Smt. Mohini. P. Chhabria Award with Cash Prize of Rupees 10,000/- for students with highest aggregate marks in B.E of each Engineering branch and MCA
3. Cash Prizes of 25000/- for three best B.E. projects in each department
4. Scholarships by HOPE Foundation to academically bright but financially deprived students
5. Government Schemes:
   - Social welfare department of Maharashtra State. Scholarship / Freeship schemes for special category students (OBC, SBC, VJNT category students): https://mahadbtmahait.gov.in
   - Payment of Maintenance Allowance to VJNTDT and SBC Students Studying in Professional Courses and Living in Hostel Attached to Professional Colleges: https://mahadbtmahait.gov.in
   - Pandit Dindayal Upadhya Swayam yojna only for Dhangar caste, NT category students staying in hostels. (This scheme is purely run by the Social Welfare Dept. Ratnagiri Office – Students required to contact directly to this department)
   - Social welfare department of Maharashtra State. Scholarship / Freeship schemes for special category student (SC category student): https://mahadbtmahait.gov.in
   - Maintenance Allowance for student Studying in professional courses. (SC Category): https://mahadbtmahait.gov.in
   - Bharatratna Dr. Babasaheb Ambedkar Swadhar Yojana. For SC category students staying in hostels. (This scheme is purely run by the Social Welfare Dept. Ratnagiri Office – Students required to contact directly to this department)
   - Tribal development dept. of Maharashtra State. Scholarship / Freeship schemes for special category student (ST category students): https://mahadbtmahait.gov.in
   - Vocational Education Maintenance Allowance. For ST category: https://mahadbtmahait.gov.in
   - Merit Cum Means Scholarship for Professional and Technical Courses- Central Government: https://scholarships.gov.in
   - Central Sector Scholarship Scheme for all category students: https://scholarships.gov.in/
   - PG (GATE/GPAT) Scholarship for student with qualifying marks with valid GATE/GPAT score. (AICTE Scheme): https://www.aicte-india.org/
   - Pragati Scholarship Scheme for Girls Student: https://www.aicte-india.org/schemes/students-development-schemes
   - Sakham Scholarship Scheme for especially abled student: https://www.aicte-india.org/schemes/students-development-schemes

- Rajarshi Chattrapati Shahu Maharaj Shikshan Shulka Pratipurti Yojana for Open, SEBC, EWS category student. (EBC): https://mahadbtmahait.gov.in
- State Government Minority Scholarship: https://mahadbtmahait.gov.in
- Dr. Panjabrao Deshmukh Vasatigruha Nirvaha Bhatta Yojana for open category student: https://mahadbtmahait.gov.in
- Mumbai university scholarship schemes – There are various scholarship schemes of University of Mumbai and all are available on University of Mumbai website. These schemes where declared by college as and when declared by University of Mumbai: https://mu.ac.in/scholarship

Students Council:

Students Council is formed to represent the views of students to the administration for educational development and progress of students and academy. The council is comprised of the faculty members and student representatives. The council is also expected to assist in extension and outreach activities.

Mentorship Committee:

FAMT contrives a variety of mechanisms to facilitate the all-round development of the students. The mentorship committee is one of such mechanisms. A student requires not only the training confined to the curriculum but also the guidance for the future, the answers to queries, an opportunity to share and resolve his/her problems and motivation to discover oneself. Thus, students need mentoring as well as counselling. The mentorship committee is constituted to cater to these needs of students. It creates a platform for healthy interaction between students (mentees) and teachers (mentors) regarding academic problems and the progress of students.

Women Development Cell (WDC):

The Women Development Cell works for the welfare of the female students and faculty members in the academy. WDC conducts competitions, lectures, and programmes for the comprehensive development of girl students and to raise awareness regarding gender equity and sensitivity along with counselling.
Weblink: http://famt.ac.in/women-development-cell/

Anti – Ragging Committee:

Ragging is a criminal offense whether on or outside the campus. Therefore, as per the directives of the Supreme Court of India, FAMT has constituted the Anti-Ragging Committee based on the guidelines set by Raghvan Committee (Anti – Ragging Act). As per this Act, all types of ragging are strictly prohibited within and outside the academy and liable for strict legal action. As per AICTE guidelines (Regulation for Prevention and prohibition of ragging in AICTE approved Technical Institutions vide No. 37-3/Legal AICTE/2009 dated July 01, 2009), the students admitted in the academy must furnish Anti-ragging Affidavit at the time of admission. Further detail on anti-ragging is mentioned in the Student Handbook and on the institute website.
Weblink: http://famt.ac.in/wp-content/uploads/2020/05/7_Office-Order-Anti-Ragging-Committee.pdf

College Grievance Redressal Committee (CGRC):

College Grievance Redressal Committee is constituted as per the directives of the government (Establishment of Mechanism for Grievance Redressal Regulations 2012, F. No. 37-3/Legal/2012 dated June 25, 2012). It addresses the grievances of employees and students.
Weblink: http://famt.ac.in/wp-content/uploads/Notices/2017/admin/Grievence%20Redressal%20Committee.pdf

Internal Complaint Committee:

Internal Complaint Committee (ICC) is constituted as per Vishakha guidelines given by Honourable Supreme Court and Section 4, All India Council for Technical Education Regulations, 2016 vide No F. AICTE/WH/2016 dated June 10, 2016 (Gender Sensitization, Prevention, and Prohibition of Sexual Harassment of Women Employees and Redressal of Grievances in Technical Institutions). It is crucial in preventing sexual harassment of women at workplace and in ensuring a safe environment for female faculty and students on campus. ICC sensitizes the female faculty members and students on the prevention and prohibition of sexual harassment of women at the workplace.
Weblink: http://famt.ac.in/internal-complaint-committee-icc/.

Committee for SC/ST:

The committee for SC/ST is constituted as per the directives of Scheduled Castes and Scheduled Tribes Act (Prevention of Atrocities) 1989, No. 33 of 1989 dated September 11, 1989, to address their problems.
Web link: http://famt.ac.in/wp-content/uploads/Notices/2017/admin/Committee%20for%20SC%20ST.pdf

As an educational institute offering professional courses, we emphasize self-discipline among our students. The students admitted in FAMT must adhere to the norms of the academy and laws of our country to ensure a disciplined and healthy academic environment on campus. Detailed information about rules and regulations concerning the academy, hostel and various committees are provided for reference in **the Student Handbook**.

Admission Procedure

The admission procedure, at Finolex Academy of Management and Technology, for sanctioned intake of its various programmes is strictly carried out on the basis of merit and norms of Directorate of Technical Education, Government of Maharashtra. The admission procedure at the academy is very transparent and **no donation or capitation is accepted in any form by the academy**. For more details please visit website- **cetcell.mahacet.org**

Candidates desirous of admission to First Year Engineering, Direct Second Year Engineering, Master of Engineering and MCA at FAMT must note the following details:

Admission in FAMT is as per the set pattern of Government of Maharashtra that is 80% students are admitted through Centralized Admission Process (CAP) and 20% seats are filled by the academy.

I. Centralized Admission Process (CAP):

Candidates admitted through the Centralized Admission Process must confirm their admission as per rules and regulations laid down by DTE, Government of Maharashtra. Further details are available on - **cetcell.mahacet.org** and in Admission Brochure of the competent authority.

Admission at Institute Level or Against CAP Vacancies:

Candidates should submit application in the prescribed format for admission through Institute Level or against CAP vacancies as per the schedule and norms published in advertisement in the newspapers or on our website. **Application Form for institute level admission is available on our website www.famt.ac.in.**

Eligibility for Admission to Bachelor of Engineering:

Web link to the MHT CET Admission Brochure (page no. 12): **cetcell.mahacet.org**

II. Documents Required for Admission:

Sr No	List of Documents
1	Leaving Certificate / Transference Certificate
2	CET Mark Sheet
3	Allotment Letter (Print out from DTE website)
4	Original HSC Mark Sheet and Original HSC Passing Certificate
5	Original SSC Mark Sheet and Original SSC Passing Certificate
6	Diploma Passing Mark list and Passing Certificate (Direct Second Year Engineering)
7	Mark sheets of all years of graduation (For MCA)
8	Age, Nationality, and Domicile Certificate
9	Caste Certificate and Caste Validity Certificate (if applicable)
10	Non-Creamy Layer Certificate (if applicable)

11	Migration Certificate (if applicable)
12	GAP Certificate (if applicable) – Affidavit on Rs. 100/ stamp paper
13	Any other document as required to support the claim / as required by DTE
14	Income Certificate
15	Ration Card
16	Aadhar Card

NOTE: Candidates are required to submit all original documents to FAMT at the time of admission. Students are required to keep photocopies of all documents with them.

Documents Retention Policy:

1. FAMT retains candidate's all original documents in the safe custody from the date of admission till his/her confirmation of admission by Govt. authorities.
2. Various Government Authorities verifies candidate's original documents and confirms the eligibility and enrolment (normally within a year) such as:
   a. University of Mumbai
   b. Admission Regulating Authority
   c. Directorate of Technical Education (DTE)
3. All the original documents except Leaving Certificate (LC) are returned to students only after verification by the government authorities and confirmation of his/her admission.
4. If a student requires some of the documents due to any requirement, he/she may apply for the same take a photocopy of the same from Student Facility Centre -2.
5. If the original document is required, students may collect the same and resubmit it to FAMT after the completion of work.
6. If the government scrutiny is scheduled, no documents will be returned to student during that period.
7. In case of cancellation of admission at an early stage, all original documents are returned to the student subject to norms and guidelines of DTE, Govt. of Maharashtra.

III. Admission Fee and Mode of Payment:

The admission fee of the academy is decided by the Fee Regulating Authority. The complete proposal for the final amount of fees, for each academic year submitted to the Fee Regulating Authority is available on the college website and in the office. Fees for the academic year should be paid at the time of admission by **D.D. / Cheque** in favor of **Finolex Academy of Management & Technology** payable **at Ratnagiri.** The academy also offers a cashless payment facility of Fee through **Debit Card/ Credit Card/ Net banking through HDFC Payment Gateway.**

IV. Hostel Fee:

Hostel Fees for the Academic Year 2023-24 will be Rs.24,000/- per annum which includes accommodation, electricity, water and bus charges.

V. Refund of Academic Fee:

1. Refund of the course fees after cancellation of admission is subject to the norms laid down by competent authority.
2. In case, a student pays fees of General Category and later becomes eligible for any scholarship of Government (Social Welfare / DTE), the excess amount paid will be refunded without deducting the processing charges within seven days from the receipt of the application.
3. Refunds will be made through Account Payee Cheque / NEFT/RTGS only to students or parents. No cash payment will be made for refund in any case.

VI. Refund of Hostel Fee:

1. If a student resides at hostel and cancels hostel admission within the year, the Hostel Fee will be refunded on a pro rata basis considering the period of his/her stay in the hostel. Minimum cancellation charges are Rs 2000/- irrespective of duration of stay.
2. Refunds will be made through Account Payee Cheque only to students or parents. No cash payments will be made for refund in any case.
3. The refund will be processed within seven days after receipt of application for cancellation along with clearance from Warden.

VII. Mandatory Guidelines for students:

The students must …

1. Fill & Submit the Anti-Ragging Form online and hard copy to the administration.
    Web Link : **www.antiragging.in**
2. Update the Student Profile on the institute's Academic ERP System - Akron ERP System.
    Web Link: https://famt.akronsystems.com/pLOGIN.aspx
3. Abide by all the Rules & Regulation mentioned in the Students Handbook.

Web Link: http://famt.ac.in/wp-content/uploads/Notices/2018/Admin/FAMT%20HANDBOOK.pdf

VIII. Fee Sanctioned for the AY 2023-24 by the Fee Regulating Authority:

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FINOLEX ACADEMY OF MANAGEMENT & TECHNOLOGY
FEE STRUCTURE
A. Y. 2023-24
Table 1 - FIRST YEAR ENGINEERING (UG)

FEE HEADS	MANAGEMENT QUOTA / AGAINST VACANCY	CAP ADMISSIONS			
		OPEN	OBC/EBC SEBC/EWS	DT / VJ / NT / SBC / TFWS	SC / ST
Tuition Fee	85689	85689	42845	0	0
Development Fee	11311	11311	11311	11311	0
Enrolment Fee	220	220	220	220	220
Student Insurance	24	24	24	24	24
University other Fee	216	216	216	216	216
TOTAL FEE	**97456**	**97456**	**54612**	**11767**	**460**

HOPE Foundation's
FINOLEX ACADEMY OF MANAGEMENT & TECHNOLOGY
FINAL FEE STRUCTURE
A.Y. 2023-24
Table 2 - DIRECT SECOND YEAR ENGINEERING (UG)

FEE HEADS	OPEN	OBC/EBC SEBC/EWS	DT / VJ / NT / SBC	SC / ST
Tuition Fee	81251	40626	0	0
Development Fee	9749	9749	9749	0
Enrolment Fee	220	220	220	220
Student Insurance	20	20	20	20
University other Fee	216	216	216	216
Verification from Board Fee	600	600	600	600
TOTAL FEE	**92056**	**51431**	**10805**	**1056**

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FINOLEX ACADEMY OF MANAGEMENT & TECHNOLOGY

FEE STRUCTURE

A. Y. 2023-24

Table 3 - FIRST YEAR MASTER OF COMPUTER APPLICATIONS - MCA (PG)

FEE HEADS	MANAGEMENT QUOTA / AGAINST VECANCY	CAP ADMISSIONS			
		OPEN	OBC/EBC SEBC/EWS	DT / VJ / NT / SBC / TFWS	SC / ST
Tuition Fee	58047	58047	29024	0	0
Development Fee	7953	7953	7953	7953	0
University Share of Tuition Fee	2500	2500	2500	2500	2500
Enrolment Fee	825	825	825	825	825
Student Insurance	20	20	20	20	20
University other Fee	216	216	216	216	216
TOTAL FEE	**69561**	**69561**	**40538**	**11514**	**3561**

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FEE STRUCTURE

2023-24

Table 4 - ME - MACHINE DESIGN PART-I

FEE HEADS	AMOUNT (Rs.)
Tuition Fee	44855
Development Fee	6145
Enrolment Fee	825
Student Insurance	20
University Other Fee	216
Tuition Fee University Share	2500
TOTAL FEE	**54561**

General Disclaimer

Finolex Academy of Management & Technology (FAMT) does not have any other campus except for its standalone entity situated at Plot No. P- 60, P- 60/1, MIDC, Mirjole Block, Ratnagiri 415639, Maharashtra, India.

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The detailed information about the Program Educational Objectives, Program Specific Outcomes, Course Structure, Course Contents and the Assessment and Evaluation Methodology may be accessible from the official website of the University of Mumbai at www.mu.ac.in

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Admission Disclaimer: The admission procedure mentioned in this institute brochure is provisional and is subject to revision / modification as declared by the Competent Authority from time to time. The students are notified to visit the Directorate of Technical Education, Govt. of Maharashtra web portal: www.dtemaharashtra.gov.in regularly for timely updates.

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FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY

P-60, P-60/1, MIDC, Mirjole Block, Ratnagiri – 415639
Tel: 02352 299361 / 299357 / 299336
Website: **www.famt.ac.in**