FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

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ELECTRONICA

NEWS-LETTER

OF

ELECTRONICS ENGINEERING DEPARTMENT

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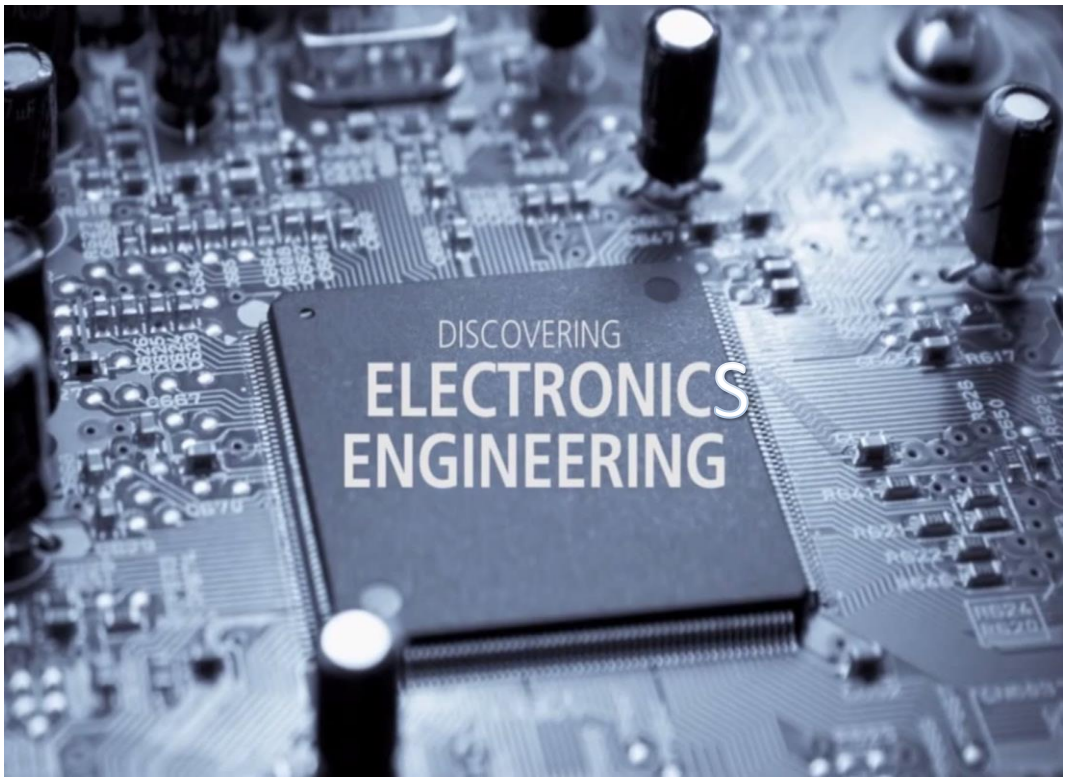

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Department of Electronics Engineering

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List of Faculty/Staff Members in the Department

Faculty Members

1. Prof. Girish G. Bhide (Associate Professor)
2. Prof. Vrishali V. Nimbalkar(Assistant Professor)
3. Prof. Amol R. Sutar (Assistant Professor)
4. Prof. Sandeep R. Nalage(Assistant Professor)
5. Prof. Mahesh A. Jadhav (Assistant Professor)
6. Prof. Rahulkumar P. Tivarekar (Assistant Professor)
7. Prof. Ashish B. Vartak (Assistant Professor)
8. Prof. Rupesh B. Ingle (Assistant Professor)
9. Prof. Suraj A. Shete (Assistant Professor)

Staff Members

10. Mr. Bharat M. Biradar
11. Mr. Paresh S. Sambare

Vision

- To become a leading center of knowledge and produce graduates who can adapt to ever growing field of electronics and integrated technology.

Mission

- M1: To strengthen teaching-learning process and provide state of the art resources to help the students acquire global competency.
- M2: To offer technical skills, creativity, and integration to help the students to solve real life problems.
- M3: To provide value addition training programs such as soft skills, social and ethical values for all around development of the students to become successful in competitive career.

Program Specific Outcomes (PSOs)

- Students shall acquire knowledge in analog circuit design, digital system design, microcontroller programming, instrumentation, and VLSI chip design.
- Students shall utilize Electronics Engineering knowledge to create and design innovative products and solutions for real life problems.

About The Department

Department of Electronics Engineering was established as the first Engineering department of FAMT in 1996. Department has 09 faculty members experienced and post graduates from renowned institutes like IISc, COEP, VJTI, etc. Faculty has several publications, books and industry projects to their credit. Department encourages faculty to attend conferences, seminars and workshops so that they can enhance their knowledge and remain updated with the current changes in engineering field, which will help them to carry out their research and development activity. Also all of the faculties undertake NPTEL on-line courses which are conducted by IIT's and IISc and have secured top 1%, top 5% ranking score and Elite scores for the courses undertaken by them. Department has a separate Departmental library, well-equipped 8 laboratories, wi-fi facility, ICT enabled class-room and a study friendly environment. Along with regular curricular teaching, department organizes workshops,

course-enrichments, seminars and add-on courses on regular basis to impart additional knowledge to students, enhance their technical skills so that they can adapt to current industry requirement. Industrial training and Industrial visits are highly encouraged by the Department. A technical event named "Electrofocus2K19" is organized by department students committee (Electronics Student Technical Association-ESTA) every year so that along with technical skill development they learn management skills also. Over the span of 19 years, 1089 students have been graduated and our graduated students have occupied key positions in industry, academics and have taken up ME and MS programs in India and abroad.02 students have been placed through on-line campus drive for the year 2018-19. Department has its own annual e-newsletter published on college website informing about the activities carried out by the department.

Scope and Opportunities in Electronics Engineering

Electronics Engineering has a major role to play in virtually every industry. Electronics Engineers are involved in designing, creating, developing, fabricating, testing and supervising an extensive variety of technologies required for computers, mobile phones, robotics, automated systems, integrated circuits (IC's), television, radio, as well as various other electronic gadgets and appliances, tracking devices, electric motors and power generators. The field of electronics covers a wide range of applications and devices which make our life easier and enjoyable by helping to collect, distribute, control & transmit information. Electronics Engineering is crucial in increasing productivity in the industrial sectors like oil, energy, agriculture, steel, petroleum, and chemical. These industries depend on electronic systems for daily processes and functions. The health-care sector relies heavily on Electronics Engineering. It also has major contribution in ensuring safety in transportation, industries and houses. Job opportunities for Electronics Engineers in government and public sector are listed as follows DRDO, HAL, ISRO, BEL, IOC, BSNL, MTNL, Indian Railways, All India Radio, etc.

Highlights of the Department

- Workshops, course enrichment, add-on courses and project based learning is conducted on regular basis to enhance employability of student.
- Emphasis on Industrial training and industry visits for industry-institute interaction.
- Motivation for industry based (sponsored) projects.
- Outreach & extension activities for all round personality development of students.
- Spacious 08 laboratories with ample equipment, instruments, components & consumables.
- A technical event named "Electrofocus2K19" organized by students' association.
- Well qualified Teaching faculty (09) and experienced Lab Assistant (02) with a good retention ratio
- 52 PCs with good configuration
- ICT enabled classroom
- Departmental Library with approximately 317 titles
- Regular conduction of workshops, course enrichments, add-on courses and Competitions
- Alumni placed worldwide in renowned companies like INTEL, IBM, Siemens, Analog Devices India, TCS, Cognizant, Accenture, Capgemini, Vodafone, Finolex Cable Goa, Qspiders, Yashsawi Group Pune, SEED Infotech, CEM Electromech, Infotech, etc.

Programs organized by the Department

1] Embedded C Programming and Applications Development

A Two day's workshop titled "Embedded C Programming and Applications Development" was organized by Department of Electronics Engineering on 29th to 30th September 2018. Workshop was organized for students of TE Electronics. The workshop was conducted by Assistant Professors of Department of Electronics Engineering, FAMT, Miss. Vrishali. V. Nimbalkar and Mr. Amol. R. Sutar. The objective of this workshop was to acquaint students with Embedded C Programming for 8051 platform, interfacing and programming I/O modules by providing hands-on sessions on Microcontroller based hardware system. I/O modules like GSM and GPS were also interfaced and programmed. This workshop will help students to develop their own 8951 Microcontroller Based System and write Embedded C program for the desired application. Also it will help students to design and develop their mini-projects, and their final year projects. They will acquire a skill set which is required in

industry as well as design products on their own. The workshop was very interactive and all the students actively participated in the hands-on sessions of the workshop. There were total 12 student participants in the workshop.

Photographs of the workshop "Embedded C Programming, Applications and Development"

Prof. Amol R. Sutar interacting with students during hands-on session

Workshop Certificate Distribution by Prof G .G. Bhide
(HOD, Department of Electronics Engineering, FAMT)

2] Seminars on "Attendance Awareness"

A seminar on "Attendance Awareness "was conducted for SE, TE and BE Electronics students on 07/09/2018. The seminar was attended by 71 students. The topics of the seminar were Importance of Attendance, Attendance and its benefits, Mandatory minimum attendance Guideline for students as per University of Mumbai. The resource persons of the seminar were Prof. V V. Nimbalkar, Prof.A B Vartak and Prof. M A Jadhav.

Photographs of Seminar "Attendance Awareness"

Prof. M A Jadhav delivering Seminar for TE Electronics Students

Prof. V. V. Nimbalkar delivering Seminar for SE Electronics Students

Summary of Activities in the Department:

Name of Event	Number of times conducted
Workshop	1
Seminars	2
Course Enrichment	3

Faculty Achievements

1] Journal/Conference Publications

1] Prof. Suraj A. Shete got selected as a member of Editorial Board for the International Journal of Research and Scientific Innovation (IJRSI)

2] Prof. Suraj A. Shete, Prof. Girish G. Bhide, Prof. Mahesh A. Jadhav, Prof. Ashish B. Vartak "Comparision of different image compression techniques: A review, 3rd National Conference on CTRD, 2k18.

2] NPTEL On-Line Training

Name of the faculty	Achievement
Prof. V. V. Nimbalkar	Successfully completed the NPTEL course on "Switching Circuits & logic design" with Elite grade and stood in Top 1%
Prof. M. A. Jadhav	Successfully completed the NPTEL course on "Switching Circuits & logic design" with Elite grade.

3] Start-Up India Project Competition:

Prof Amol .R. Sutar participated in Start-up India Boot Camp held on 22nd October 2018. His project "Remote Controlled Automated System" got selected for next level of competition at Nagpur.

Student's Achievements

Sr. No.	Name of Students	Details
1	Rohit Sawant S.E	Won third prize for 5th SKAI International Karate Championship.
2	Mr. Tabish Patvi, Mr. Tazim Madre, Mr. Ishan Hodekar (BE)	Project titled "Smart Helmet", got selected at next level of "START-UP INDIA"
3	Suyash Suvare, Ashutosh Dalvi, Smitesh Joshi(BE)	Project titled "Wireless Railway Safety System" got selected at next level of "START-UP INDIA"
4	Mr. Tabish Patvi, Mr. Tazim Madre, Mr. Ishan Hodekar (BE)	Project titled "Smart Helmet" got selected for College Level Project Competition "Avishkar".

PUBLISHER

Editors

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