

FINDLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

(APPROVED BY AICTE, RECOGNIZED BY DTE AND AFFILIATED TO MUMBAI UNIVERSITY)

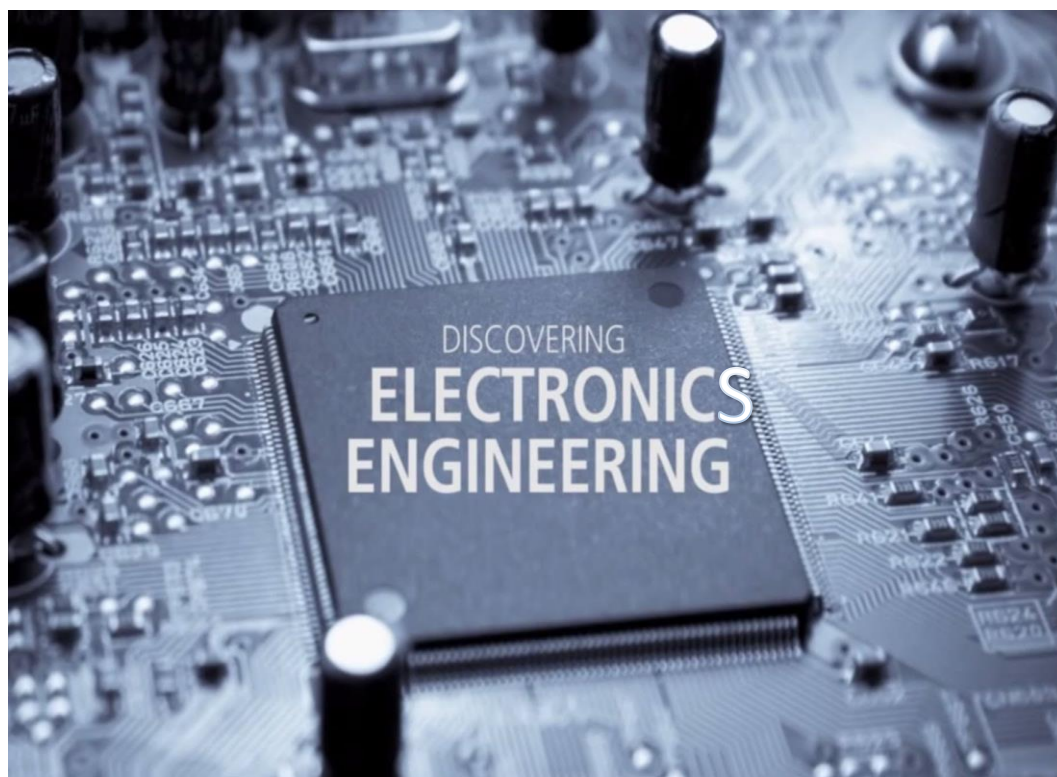
ELECTRONICA

NEWS-LETTER

OF

ELECTRONICS ENGINEERING DEPARTMENT

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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) Deputed for ME
7. Prof. Ashish B. Vartak (Assistant Professor)
8. Prof. Bhakti Y. Sathe (Assistant Professor)
9. Prof. Mayur S. Patil (Assistant Professor)
10. Prof. Suraj A. Shete (Assistant Professor)
11. Prof. Asmita A. Chavan (Assistant Professor)
12. Prof. Gauri D. Khedekar (Assistant Professor)
13. Prof. Avaduth G. Apte (Assistant Professor)

Staff Members

14. Mr. Bharat M. Biradar
15. Mr. Paresh S. Sambare

Vision

- ✚ The vision of the department is to train the students to have in-depth knowledge of the subjects in Electronics Engineering and develop the confidence to face the challenges in industries and R&D activities. The department seeks to create the center of excellence in Konkan region for the development of the society and the nation.

Mission

- ✚ The mission of the Electronics Engineering department is to facilitate development activities and encourage integration which will help the students to ensure the exchange of ideas and dissemination of knowledge to face global challenges and imbibe social and ethical values.

Program Specific Outcomes (PSOs)

- ✚ Within 4 year of graduation, FAMT graduates are expected to be employed as Test Engineers, Field Engineers, Hardware Engineers, Process Engineers, Programmers, etc.
- ✚ To train students with good electronic engineering knowledge so as to create and design innovative products and solutions for the real life problems.

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, and project based learning, aptitude test is conducted on regular basis to enhance employability of student.
- + Emphasis on Industrial training 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 “Electrofocus2k16” was organized by students’ association ESTA.
- + Well qualified Teaching faculty (13) and experienced Lab Assistant (02) with a good retention ratio
- + PCs with good configuration
- + Departmental Library with approximately 270+ titles
- + Alumni placed worldwide in renowned companies like INTEL, IBM, Siemens, Analog Devices India, TCS, Cognizant, Accenture, Capgemini, Vodafone, Finolex cable Goa, Infotech, etc.

Programs organized by the Department

1] Embedded C Programming and Applications Development

Department of Electronics Engineering had organized a three day's Workshop on "Embedded C Programming and Application Development" for all Engineering students, during 6th, 7th and 8th August, 2016. The objective of this workshop was to acquaint the students with the recent trends in industrial requirements; to build the confidence of students and strengthen them in Microcontroller based Systems, C Programming and Application Development. In this workshop covered interfacing and programming of various important modules such as led, led+ switches, DC Motor, Stepper motor, LCD, Matrix Keypad, GPS, GSM, RTC, Memory, Remote control which will be useful to the students for their future development and for enhancing ability. Workshop was inauguration by Prof. G. G. Bhide (HoD, ETRX Department). Prof. V. V. Nimbalkar & Prof. A. R. Sutar were the resource persons of the workshop and carried all hands-on-experiments rigorously during the workshop. Prof Gouri Khedekar and Prof Asmita Chavan were faculty coordinatos, Sagar Chavan (BE ETRX) and Tejas Nachankar (BE ETRX) were student coordinators. The workshop was attended by 39 students from Electrical, Electronics and Telecommunication and Electronics Engineering students.

Photographs of workshop "Embedded C Programming and Application Development"





Certificate distribution of a three day's workshop on **“Embedded C Programming and Application Development”**

2] **Three-days Mega Technical Fest “ELECTROFOCUS 2k16”**

It was an inter-college technical festival organized by ESTA from 31st August, 2016 to 2nd September 2016. The students from FAMT as well as engineering colleges nearby participated in various events in Electrofocus-2016. The event was inaugurated by honorable Principal Dr. Sashikant S. Goilkar along with Prof. Girish G. Bhide (HOD, Electronics), Prof. Asmita Chavan (ESTA head) & Mr. Tejas Gaikwad (ESTA student's coordinator). It consisted of various events such as robo-race, technical quiz, calci-war, debate etc.

Photograph of Inaugural function of “Electrofocus2k16”



Inauguration of a Three days technical event “Electrofocus2k16”

Photograph of Debate event of “Electrofocus2k16”



Students actively participating in Electrofocus2k16

Faculty Achievements

1] Journal/Conference Publications

i) Prof. G. G. Bhide

a) Paper titled “Dual Band High Gain Union Shaped Microstrip Patch Antenna” published in Atlantis Press through the proceedings of Second IETE International Conference on Communication and Signal Processing (ICCASP) at Dr. Babasaheb Ambedkar Technological University, Lonere in December 26-27, 2016 with ISSN: 1951- 6851, vol. 137 in AISR series.

b) Paper titled “Stepped & Hairpin Combined Wideband Band pass Filter for ISM Band” published in International Journal „Asian Journal of Convergence in Technology (IJCT)” ISSN 2350-1146, Vol 2, Issue 3, 2016.

c) Paper titled “Partially Adaptive Cluster Based Routing for Network-on-Chip” published in International Journal „Asian Journal of Convergence in Technology (IJCT)” ISSN 2350-1146, Vol 2, Issue 3, 2016.

ii) Prof. V. V. Nimbalkar

Paper titled “Partially Adaptive Cluster Based Routing for Network-on-Chip” published in ASIAN JOURNAL OF CONVERGENCE IN TECHNOLOGY, Volume-II, Issue III, AJCT ISSN : 2350 - 1146.

iii) Prof. A. R. Sutar

Published a paper in international journal on “Simple and Low Cost IC Tester for Analog and Digital labs”, Asian journal of convergence in Technology, AJCT, Vol-II, Issue III, PP, Sept. 2016.

iv) Prof. M. A. Jadhav

Paper titled “ A Comparative Analysis of Adaptive Contrast Enhancement Equalization Techniques” published in ASIAN JOURNAL OF CONVERGENCE IN TECHNOLOGY (AJCT ISSN : 2350 - 1146).

v) Prof. A. B. Vartak

Paper titled “High Resolution DPW Modulator based on FPGA with Linear behavior of system” published in ASIAN JOURNAL OF CONVERGENCE IN TECHNOLOGY (AJCT ISSN : 2350 - 1146).

Paper titled “Stepped and Hairpin Combined Wideband Bandpass Filter for ISM Band” published in ASIAN JOURNAL OF CONVERGENCE IN TECHNOLOGY (AJCT ISSN : 2350 - 1146).

vi) Prof. S. A. Shete

Paper titled “Walsh Hadamard Transform : A new approach for PAPR reduction in OFDM” in Asian Journal of Convergence in Technology (AJCT) volume II, Issue III, ISSN no.: 2350-1146.

2] NPTEL On-Line Training and Project Competition

Name of the faculty	Achievement
Prof. A. B. Vartak	Won Award of Excellence for FDP Use of ICT in Education for Online and Blended Learning conducted by IIT Bombay
Prof. M. A. Jadhav	Won Award of Excellence for FDP Use of ICT in Education for Online and Blended Learning conducted by IIT Bombay
Prof. S. A. Shete	Won 1 st Prize for college level Project Convention

PUBLISHER

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