

FINDLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

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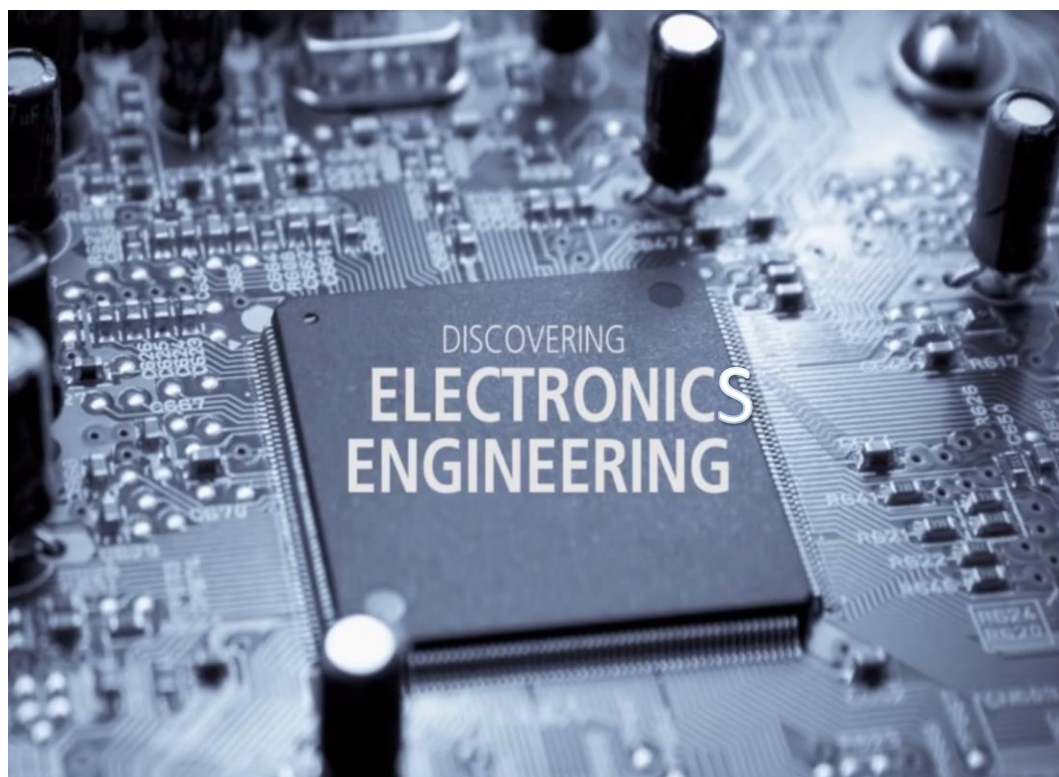
ELECTRONICA

NEWS-LETTER

OF

ELECTRONICS ENGINEERING DEPARTMENT

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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. Bhakti Y. Sathe (Assistant Professor)
10. Prof. Suraj A. Shete (Assistant Professor)

Staff Members

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

Vision

- ✚ The vision of electronic engineering department is to train the students to have depth knowledge of the subjects in electronic engineering and develop confidence for challenges in industries, teaching and R&D activities.

The electronics department seeks to create center of excellence in Konkan region for the development of society and nation.

Mission

- ✚ The mission of electronics department is to provide academic freedom, creativity, development activities, integration which will helps the students to ensure the exchange of ideas and dissemination of knowledge in this discipline through effective teaching. Also to prepare the students for competitive carrier paths.

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 crate and design innovative products and solutions for the real life problems.

About The Department

Department of Electronics Engineering was established as the first department in 1996 and conducts B.E program in Electronics Engineering. Department has 11 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 IITs and IISc and have secured 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, 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 “Electrofocus” 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 18 years, 1029 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. 40 students have been placed through on-line campus drive for the year 2017-18. 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, 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 “Electrofocus2K17” organized by students’ association.
- + Well qualified Teaching faculty (11) and experienced Lab Assistant (02) with a good retention ratio
- + PCs with good configuration
- + Departmental Library with approximately 317 titles
- + 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 four days workshop on “**Embedded C Programming and Applications Development**” was organized by Electronics Engineering Department from 4th to 7th August, 2017. It was organized for the students of Electronics, Electrical, Information Technology and Electronics & Telecommunication departments. The workshop was conducted by Assistant Professors of Electronics Department – Miss Vrishali. V. Nimbalkar and Mr. Amol. R. Sutar.

The objective of the workshop was to acquaint the students with the recent trends in industries, to build their confidence and strengthen their knowledge in microcontroller based system design and programming, by providing hands-on practice on microcontroller based hardware systems and peripheral interface. 35 students and one faculty participated in the workshop.

Photographs of workshop on “Embedded C Programming and Applications Development”



A four days workshop on “Embedded C Programming and Applications Development”
From 04-08-2017 to 07-08-2017

2] Advanced PCB Design using Proteus

One day Workshop on **Advanced PCB Design using Proteus** was arranged by the department of Electronics Engineering on 10th September 2017. It was organized for the students of Electronics Engineering by Prof. Sandeep R. Nalage, Assistant Professor, Electronics Engineering Department. The workshop aimed at making students aware of the recent software used in industry for PCB design, as PCB design happens to be one of the key skill sets for Electronics Engineer in core industry. It will help the students to make the mini as well as final year projects on their own. 66 students participated in the workshop.

Photographs of workshop on “Advanced PCB Design using Proteus”



One day Workshop on “Advanced PCB Design using Proteus”

3] Three-days Mega Technical Fest “ELECTROFOCUS 2k17”

ESTA organized a mega Technical Fest **Electrofocus2k17** on 6th, 7th & 8th October, 2017 consisting of many technical, brainteaser and fun events. Around **250** students of engineering and science institutions from Konkan and western Maharashtra participated in various events. The event was inaugurated by Dr. Kaushal Prasad (Principal, FAMT) in presence of Prof. G. G. Bhide (HOD Electronics), Prof. S. R. Nalage (ESTA faculty In-charge), Ms. Divya Pawar (ESTA Student Head), Mr. Omkar Rahate (Vice Head, ESTA), teaching and non-teaching staff of Electronics department and the students from FAMT & other colleges.

Photograph of Inaugural function of “Electrofocus2K17”



Inauguration of a Three days technical event “**Electrofocus2k17**”

4] Three-day's Taluka Level Science Exhibition

FAMT participated in **three-days Taluka Level Science Exhibition “DISHA 2020”** from 7th to 9th December 2017 at United English School, Chiplun. The **Departments of Electronics and Mechanical Engineering** designed and displayed various projects such as remote controlled robot, voice controlled robot, electronic dice, street light controller, automated well unit, box transfer machine, gear mechanism, cam operated hammer, bottle pressing machine etc. Around 4500 visitors including the parents and students of 53 schools and colleges in and around Chiplun visited FAMT Project Stall in the exhibition. The students got an opportunity to understand the mechanism from the working models and techniques to design electronics based projects. Prof. Vrishali V Nimbalkar and Prof. Amol R Sutar of **Electronics Engineering Department** explained the projects and models to the visitors. Prof. Girish G Bhide (**HOD Electronics**) and Dr. Shashikant S Goilkar (Dean, R&D) coordinated the event on behalf of FAMT.



Participation of **Prof. Mr. A. R. Sutar & Prof. Ms. V. V. Nimbalkar**
in **Science Project Exhibition** in Chiplun from **07-12-2017 to 09-12-2017**

6] Seminars conducted were as follows:

Sr. No	Date	Name of Resource Person	Topic	Number of students
1	19/09/2017	Mr. Sumanyu Rao	Opportunities in networking and securities	92 students SE,TE,BE
2	12/8/2017	Mr. Pushpasheel Salunkhe	Robotics and Artificial Intelligence	29 Students TE

Social Events by the Department

1] Design of “Vibration Alert Device”

Students of school “Keshav Parashuram Abhyankar Muk-Badhir Vidyalay” visited our department and developed and fabricated a project titled “Vibration Warning Device for Dumb and Deaf” which gives an alert signal in the form of vibration to the user when a horn sounds nearby, under the guidance of Prof. S.R. Nalage of our department.



Visit of Students at Department of Electronics Engg., FAMT on 25/10/2017

(L to R: Mr. Rane, Sahil, Akshay, Mr. Rajput, Supriya, Mr. Biradar, Runali, Gautami, Prof. Nalage,)

Faculty Achievements

1] Journal/Conference Publications

1] Prof. Suraj A. Shete, Prof. G.G.Bhide, Prof. S.R.Nalage, Prof. Ashish B.Vartak “Composite Structure Fractal Wideband Monopole Antenna for ISM Band Applications” (IJMTER) volume. 4, Issue (7)July 2017.

2] Prof. Amol R. Sutar, Prof. Mahesh A. Jadhav, Prof. Rupesh B. Ingle “Performance Evaluation of Single phase bipolar and unipolar SPWN inverter”, 2nd National Conference on CTRD, 2k17.

3] Prof. Suraj A. Shete, Prof. Mahesh A.Jadhav “Traffic Aware Coloring based Scheduling Scheme for Mobile Wireless Body Area Networks ”, Journal of Electronic Design Technology . 2017; 8(3): 8 –11p.

2] NPTEL On-Line Training

Name of the faculty	Achievement
Prof. G. G. Bhide	Successfully completed the NPTEL course on “Applied Electromagnetics for Engineers” with Elite grade
	Successfully completed the NPTEL course on “Basic Electrical Circuits” with Elite grade
Prof. V. V. Nimbalkar	Successfully completed the NPTEL course on “Basic Electrical Circuits” with Elite grade
Prof. A. B. Vartak	Successfully completed the NPTEL course on “Basic Electrical Circuits” with Elite grade
Prof. R. P. Tivarekar	Successfully completed the NPTEL course on “Networks & Systems” with Elite grade
Prof. R. B. Ingle	Successfully completed the NPTEL course on “Basic Electrical Circuits” with Elite grade
	Successfully completed the NPTEL course on “Control Engineering” with Elite grade
Prof. A. R. Sutar	Successfully completed the NPTEL course on “Analog Circuits” with Elite grade

Student's Achievements

Sr. No.	Name of Students	Details
1	Suyash Suvare T.E. (Electronics) Sachin Prabhu S.E. (Electronics)	3 rd Prize Rs 20,000 for fastest vehicle & 2 nd Prize Rs 5000 for lightest vehicle in Nation Solar vehicle challenge, Mehsana, Gujarat.
2	Sachin Prabhu S.E. (Electronics)	8 th Rank in Electric Solar vehicle challenge Bhimavaram, Andhra Pradesh
3	Tabish Patvi T.E. (Electronics)	Secured 67 points out of 72 for Microsoft Python Mock Test

PUBLISHER

Department of Electronics Engineering

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