



K. J. Somaiya College of Engineering
(Autonomous College Affiliated to University Of Mumbai)
Department of Electronics Engineering



NEWSLETTER

July-December 2017

Editorial Committee

Dr. J.H. Nirmal (Chief Editor)

Mrs. Megha Sharma



Thought from the HOD



It is a matter of pride to present yet another edition of Newsletter from July-December 2017. The past semester was full of various activities by the students, faculty and supporting staff in academic, co-curricular, extra-curricular as well as research & developments. We have started student enrichment, faculty enrichment and Nonteaching staff skill development program in the department to provide all possible support to promote research and development activities. As you read through the pages you will realize, that the Department had a particularly successful semester.

I would like to thank Principal, Management, colleagues and students for their support as Head of Department.

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Vision:

To impart excellent quality-education by keeping pace with rapidly changing technologies and to create technical manpower of global standards with ethical and social values.

Mission:

Efforts to impart quality and value based education to

- Raise satisfaction level of all stake-holders
- Create competent professionals

Provide all possible support to promote research and development activities

Program Educational Objectives (PEOs):

A graduate of Electronics Engineering will

PEO1: Adapt to upcoming technologies to solve real life problems of society.

PEO2: Pursue higher education or research, demonstrate entrepreneurial qualities.

PEO3: Emerge as a leader with professional and ethical outlook, exhibit effective Communication, teamwork and multidisciplinary approach.

Program Outcomes (POs):

After successful completion of the program, graduate will be able to:

PO1: Apply fundamental knowledge of differential equations, vector calculus, complex Variables, matrix theory, physics, chemistry, network and EM field analysis electrical, Electronics and communication courses.

PO2: Analyze various analog and digital electronics systems.

PO3: Demonstrate the ability to formulate problems, interpret data and design electronic Systems for societal needs.

PO4: Investigate problems, design and conduct experiments for analog, digital electronics and communication systems.

PO5: Identify and use modern engineering tools, software / equipment's, in order to solve Electronics engineering problems.

PO6: Recognize the impact of engineering solutions on the society and contemporary issues.

PO7: Know the impact of electronics engineering solutions on society and environment for Sustainable development.

PO8: Apply knowledge of electronics engineering in profession with ethical responsibilities.

PO9: Function effectively both as an individual and as a member or a leader in a Multidisciplinary team.

PO10: Know how to communicate effectively in professional community and society.

PO11: Apply principles of engineering and management in projects as a member of a team.

PO12: Exhibit skills useful for life-long learning.

Program Specific Outcomes (PSOs):

PSO1: Develop applications in the areas of embedded systems, Communication, Control and Automation.

PSO2: Pursue higher studies in VLSI, Signal and Image processing.

Departmental Activities:

- Microcontroller Board fabrication for 8051 Workshop Phase II was organized by Mrs. Arati Phadke on July 12, 19 and 26, 2017 for SY students.
- One day workshop on “Electronic System Design Using AVR Micro-controller” was conducted by Dr. Y.S. Rao from SPIT Mumbai on July 22, 2017 for SY , TY and LY students of ETRX and EXTC. This was organized by Mrs. Megha Sharma.
- Workshop by MSI Intel & Nvidia - KJSCE was arranged by Mrs. Arati Phadke on July 29, 2017 for ETRX, EXTC, COMP and IT students. Speakers were from MSI Intel & Nvidia.
- FY induction program was conducted from 08-12 August 2017. The objective of the program was to make the students aware of the academic aspects of the course, the rules and regulations of the institute. Students were made aware about the Anti-Ragging Cell, Women Development Cell, Proctor System, and 75% attendance compulsion.
- Orientation program was organized for the newly admitted M. Tech students on August 31, 2017.
- Workshop on “MATLAB & Its Applications” was conducted by Mrs. Parul Sindhwad on July 26, 2017 for all the lab assistants of Electronics.
- Inaugural Ceremony of EESA Council 2017-2018 was held on August 2, 2017.
- A seminar on "Dysphonia Detection using machine learning" was conducted by Mr. Nikunj Lad and Ms. Kshipra Naikare on August 12, 2017 for all the faculty of department. This was organized by Mrs. Bhargavi Kaslikar.
- Seminar Series on "Current Trends in Digital VLSI Design" was organized by Mrs. Shobha G. on August 16, 2017 for M. Tech. Students and faculty Electronics.
- Hands on session on virtual Lab were conducted by Mrs. Anita Diwakar from IIT Bombay and Mr. Ameya Gawde from EXTC for lab Assistants of Electronics on October 11, 2017. This was organized by Mrs. Shila Dhande and Mrs. Jennifer Isaac.
- Hands on training on Google Classroom were conducted by Dr. Manish Potey from Computer Department on October 31, 2017 for all faculties of Electronics. This training was organized by Mr. Makarand Kulkarni.
- AICTE- ISTE Approved Short Term Training Program (STTP) on “Sensor Technology & Innovations" was organized by Mrs. Annu Abraham and Mrs. Amrita Naiksatam from December 4-9, 2017. Total No. of participant were 19 from different specialization like Mechanical, IT, Electronics, Electronics and telecommunication and Computers.

- Gate Forum was started for SY, TY and LY B. Tech. ETRX and EXTC student. This help is typically for solving old question papers of GATE. The objectives of the program is to motivate students to get placed in public sector undertaking like ONGC, BEL, BHEL, NTPC, IES etc..
- Parent Proctor meeting was conducted in the department in the month of September 2017.
- Lab assistants have also conducted sessions on various topics under Nonteaching staff skill development program during the semester. Details are:
 - Mr. Kiran Kardile on PSPICE simulation
 - Mrs. Pushpa Naik on Eagle software
 - Mr. Raghunath Patil on PCB Design
 - Mrs. Sampada Gawand on Origami
 - Mrs. Swati Mangarole on Basics of C++



F. Y. Orientation



Teacher's Day Celebration



Parent Proctor Meeting



Research Discussion by Kokare Sir



Guest Lecture on EVM by Dr. Dinesh Sharma(IIT-B)



Workshop on Virtual lab



Lecture by Mr. Rahul Rane(L&T)



Guest Lecture on Industrial Automation



Google Classroom Workshop



M.Tech. Orientation



STTP on Sensors



Calculator Workshop



Inhouse Internship



MATLAB workshop



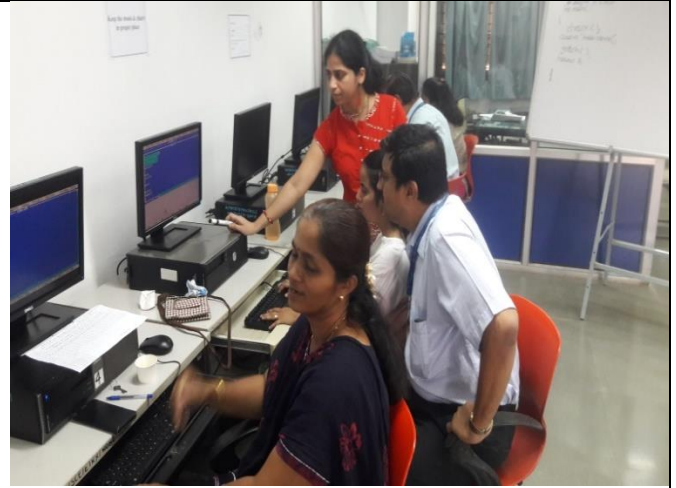
BEE workshop



PCB Workshop



Virtual Lab Training



C++ Workshop

Faculty Activities:

Department encourages faculty to enhance the knowledge in their own interest areas. Faculty can apply through FDC for any relevant workshop, STTP or technical course throughout the semester.

- One day workshop on “Electronic System Design Using AVR Micro-controller” was attended by Mr. Sandeep A.Hanumante , Mrs. Bharti P.Khedkar , Mrs. Deepa V.Jain, Mrs. Jennifer Esther and Mrs. Parul Sindhwad.
- PCB Design Using Target3001 Software was attended by Mr. Sandeep A.Hanumante, Mrs. Bhargavi Kulkarni, Mrs. Sonia Joshi, Mrs. Pritam Salankar, Mr. Makarand Kulkarni, Mrs. Shila Dhande and Mrs. Jennifer Issac in October 2017.
- STTP on "Cyber Security and Digital Forensics" was attended by Mrs. Pritam Salankar from July 3-8, 2017, at SIES Nerul.
- "Foundation Program in ICT for Education" FDP101x by IIT-B was attended by Mrs. Lekha Das, Mr. Milind Marathe, Mrs. Arati Phadke, Mrs. Pritam Salankar, Mrs. Sushma Kadge, Mrs. Bharti Khedkar, Mrs. Bhargavi Kaslikar, Mrs. Anagha Raich, Mrs. Sujata Jadhav, Mrs. Sonia Joshi , Mrs. Megha Sharma and Mrs. Deepa Jain from August 3 to September 7, 2017.
- FDP on "Pedagogy for Online and Blended Teaching-Learning Process" - FDP201x by IIT-B was attended by Mrs. Arati Phadke, Mrs. Lekha Das, Mrs. Sushma Kadge, Mrs. Pritam Salankar, Mrs. Megha Sharma, Mrs. Anagha Raich and Mrs. Sujata Jadhav.

- A short term training program on “Sensor Technology & Innovations” was attended by Dr. Sudha Gupta , Mrs. Bharti Khedkar and Mrs. Sonia Joshi from December 4-9, 2017.
- AICTE Sponsored two week FDP on “Industrial Automation” was attended by Dr. Samidha Kulkarni from November 20-December 3,2017 at SREC Coimbatore.
- A virtual lab at IITB on Machine learning was developed by Dr. J.H. Nirmal along with students.
- NPTEL online certification course were attended by following faculty members:
 - Basic Electrical Circuits & Digital Remote Processing of Remote Sensing Data by Mrs. Shila Dhande
 - Basic Electric Circuits by Mrs. Sonia Joshi
 - Programming in C++ by Mrs. Pragya Gupta

Expert Lecture Delivered:

- Prof. Milind S. Marathe delivered a lecture on “Personality Development of Teachers” at Dr. B. R. Ambedkar University, Agra on July 31, 2017.
- Dr. J.H. Nirmal conducted session in a faculty development program at LTCOE Mumbai on 14-15 September 2017.
- Dr. Samidha Kulkarni delivered lecture on Introduction to Machine learning at LT COE Mumbai on September 14,2017.

Guest Lectures:

- Mrs. Bhargavi Kaslikar and Mrs. Sonia Joshi arranged a lecture on Hybrid Mobile App Development on July 19,2017 for SY and TY students. This was conducted by ATS Infotech Private Limited.
- A lecture on Network Associates was conducted by Mr. Yogesh Hudale Director - Telenetworks Technologies on August 2, 2017 for SY,TY and LY students. This was arranged by Mrs. Pritam Salankar.
- A talk on “Guidelines for research activities and UG, PG Projects” by Dr. M. B. Kokare SGGs, Nanded was conducted for faculty of department on September 22,2017. This was arranged by Dr. J.H. Nirmal.
- Guest Lecture on "Industrial Automation" was conducted by TAACT (Teknocrat's Academy of Automation &Control Technology) on September 6, 2017. This lecture

was attended by Electronics, Electronics and Telecommunication and Mechanical Engineering students. This was organized by Mrs. Megha Sharma and Mrs. Pragya Gupta. The session was conducted by Mr. Harish Kathally, Head faculty Technocrat's Academy of Automation & Control Technology.

- Expert talk on "Security features of Electronic Voting Machine " by Prof D K Sharma , II T Bombay, was conducted on Tuesday, October 10, 2017 for Final year students of Electronics and Electronics and Telecommunication and faculty of ETRX and EXTC. This lecture was organized by Mrs, Arati Phadke.
- A talk on Project Rubrics was conducted by Mr. Rahul Rane from L&T on October 11, 2017.

Faculty Achievement:

- Mrs. Shobha Gopalkrishnan presented a paper titled REMORA: A hybrid low –cost soft error reliable fault tolerant architecture at 30th IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT), at Cambridge, UK on October 25, 2017.
- Dr. J.H. Nirmal was invited as Judge for Technical Paper Presentation event by IEEE at VJTI, Mumbai on December 27,2017

Welcome of New Faculty Members

We would like to welcome new faculty members Dr. Winnie Thomas, Mrs. Ankita Modi and Mr. Inderjit Singh Dhanjal. We wish them Best of Luck for future.

Student Activity:

- EESA COUNCIL conducted the mock aptitude test for S.Y., T.Y. and L.Y. students on September 13,2017.
- A basic Electronics workshop was conducted by Mr. Kiran Kardile for S.Y. students. This was organized by EESA.
- EESA arranged a workshop on use of calculator for the first year students on August 18, 2017.
- A visit to data data center was arranged by Mr. M.G. Kulkarni on September 26,29 and October 5,2017 for LY students

Results:

S.Y B. Tech.

May June 2017 Semester IV

- Kulkarni Soham
- Benke Harshada
- Auti Mayuresh

BE

May June 2017: Semester VIII

- Sule Shardul
- Jain Divya
- Daundkar Rajesh

T.Y.B.Tech.

May –June 2017: Semester VI

- Rohit Dharap
- Naveen Vijayaraj
- Pooja Marathe

FY M.Tech.

May –June 2017: Semester II

- Upasani Shreyas
- Shirwandkar Nikhil
- Poyrekar Nikita

Placement:

We Congratulate our students got placed in many prestigious IT companies and MNCs like Infosys, L&T InfoTech, Capgemini , Accenture and many more. 60 students have been placed till the date.

Student Internships:

Many students have successfully completed their Internship from many reputed companies like BARC and L&T. After this they achieved placement in reputed companies.

Students Achievements:

Many of our students participate in many co-curricular and extra-curricular activities and get awards.

- Mohan T Advani Centennial Scholarship awarded by Blue Star Limited to Dhaval Desai and Prateeksha Katkar.
- Piyush Kadkol participated in International Design Competition FST at Italy in July 2017.

“Develop a passion for learning. If you do, you will never cease to grow.”
Anthony J. D'Angelo