



K. J. Somaiya College of Engineering

(Autonomous College Affiliated to University Of Mumbai)

Department of Electronics Engineering



NEWSLETTER

January-June 2017

Editorial Committee

Mrs. Lekha Das (Chief Editor)

Mrs. Megha Sharma



Thought from the HOD



It is a matter of pride to present yet another edition of Newsletter from January to June 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. As you read through the pages you will realize, that the Department had a particularly successful semester.

I would like to thank all my colleagues and students for their support throughout my tenure as Head of Department.

I am sure that department will flourish further under the able guidance of Dr. J H Nirmal and wish him all the very best as new Head of Department.

Prof. Lekha Das
Head, Dept. of Electronics Engg.,
K.J. Somaiya College of Engineering,
Vidyavihar(E),
Mumbai – 77

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

- Java Programming workshop was arranged for M.Tech. students in the department from January 13-25, 2017. Sessions were conducted by Mrs. Dipti Pawde and Mrs. Avani Sakhapara from IT department.
- Industry institute interaction on Biomedical Electronics was organized for the faculty members of Electronics Department on January 25, 2017 by Mrs. Sushma Kadge and Prof. Milind Marathe. Mr.Satish Jadhav , Director Biotech System has visited the department for the same.
- Exam audit was conducted for Signals and system group during the semester. External expert audited test papers, end semester exams and question papers.
- Workshop on electronics Equipment repairing was arranged for non-teaching staff by Mr. Kiran Kardile on January 21, 2017, in which maintenance of basic Electronic equipment, fuction generator, power supply and CRO was practically shown to them and hands on session also took place.
- A paper based MEMS workshop in NI lab was conducted by Mrs. Amrita Naiksatam and Mr. Uday Chhatre on February 15, 2017.
- Principal, Dr. Shubha Pandit interacted with students on March 1, 2017. This interaction took place in order to impart the awareness about NAAC (National Assessment and Accreditation Council).Principal explained about council which lay emphasis on facilitating performance assessment based on set parameters and provides guidelines for improvement.
- A visit to Data center for B.E. and M.Tech. Students was arranged by Mrs. Bharti Khedkar on April 8,2017.
- Departmental day was celebrated on March 18, 2017. Awards for best outgoing student as well as toppers were distributed. This occasion was graced by the Alumni of the college.
- Our department hosted eYIC regional finals in KJSCE on behalf of IIT Bombay on April 3, 2017. Approximately 10 teams from variety of colleges displayed their projects shortlisted by IIT Bombay. Judges came from IITB for selecting teams for final presentation in IIT Bombay eYantra Symposium. This activity was arranged by Mrs. Arati Phadke and Mrs. Kirti Sawlani.
- NAAC Committee visited our department on April 17-19, 2017, and college has been awarded grade 'A'.
- Dr. Kavi Arya and Dr. Krishna Lala from IITB along with their team conducted e-Yantra farm setup demonstration on June 16, 2017 for faculty of different colleges. This activity was coordinated by Mrs. Kirti Sawlani
- Mr. S.S. Halbe completed 25 successful years in the department. He was given a warm sendoff by the department in the month of January.
- Subject board Meeting was conducted on May 12, 2017. In this meeting syllabus for L.Y. B.Tech. was finalized.
- Open day was held on June 23, 2017 for SY, TY , BE and M.Tech. Students.
- Study Circle seminars on various topics were conducted by faculty. In this faculty shares his/ her knowledge with others by giving a small presentation.



Mrs. Pragya Gupta Conducting Study Circle



Demo of "AnaDigi Card by Prof. Chavande



Study Circle by Mr. Nilesh Lakade



Halbe Sir sendoff Ceramony



Principal Interaction with Students



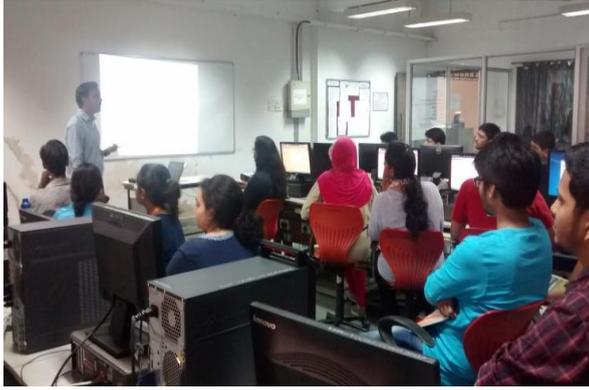
e-Farming Workshop by IITB



Poster presentation by ME Students on Departmental Day(March 21,2017)



Project Orientation for L.Y. Students



MATLAB Workshop



Vaishakh Haridas was declared Best Outgoing student



JAVA Workshop



PCB Workshop



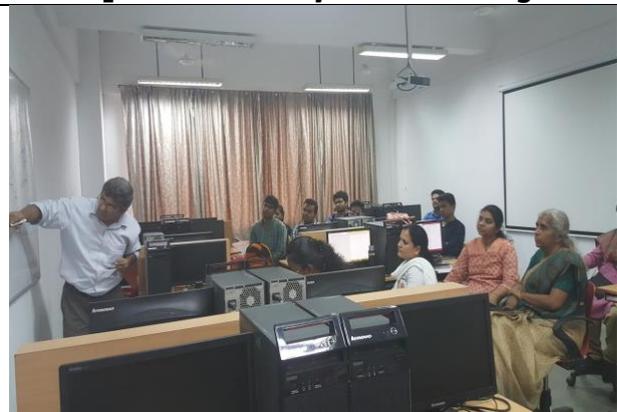
PLC Training for the faculty



Departmental Day Cultural Program



e-YIC Competition



Paper Based MEMS 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.

- Two day workshop on “Use of circuit Simulator in teaching” at VIT Pune was attended by Mr. Anil Thosar on January 27-28,2017.
- A one week training program on “MATLAB and its application” for S.Y. students was conducted by Mrs. Megha Sharma and Prof. Nilesh Lakade from January 16-20, 2017.
- Workshop on “Verilog and its Applications” for TY students was conducted by Mrs. Bhargavi Kaslikar and Mrs. Pragya Gupta on January 31 and February 1, 2017.
- A “PLC panel training” by Fatek was attended by Mr. Uday Chhatre, Mrs. Samidha Kulkarni ,Mr. Milind Marathe, Mrs. Annu Abraham ,Mrs. Shila Dhande, Mrs. Megha Sharma, Mrs. Jennifer from March 27-29, 2017.
- Workshop on “Printed Circuit Board” for SY and TY students was conducted by Mrs. Bhargavi Kaslikar and Mrs. Pragya Gupta on March 4, 2017. This workshop was attended by 51 students.
- Workshop on TCAD Training was conducted by Mr. Manish Singh and Mr. Harish, Application Engineer, CADRE Design on March 1-2, 2017, It was attended by Mr. Anil Thosar, Mr. Uday Chhatre ,Mrs. Sushma Kadge ,Mrs. Amrita Naiksatam, Mrs. Bhargavi Kaslikar and Mrs. Pragya Gupta.
- Symposium on e-Yantra at IIT Bombay was attended by Mrs. Arati Phadke and Mrs. Kirti Sawlani on April 7-8, 2017.
- ISTE approved one week STTP on 'Practical Approaches in Wireless Communication from May 29, 2017 to June 2, 2017 was attended by Mrs. Bharati Khedkar.
- Mrs. Arati Phadke and Technician Mrs. Mamta Dalvi attended a one week workshop on “Microcontroller Fabrication” from May 29, 2017 to June 1, 2017 at Wadhvani Electronics Laboratory, IIT Bombay. This was organized for SY students of ETRX and EXTC branch by Mrs. Arati Phadke in association with IITB.
- Conference on Engineering Education in the Digital Age (13th Annual CDIO), in University of Calgary, Canada during June 18-22, 2017 was attended by Mrs. Arati Phadke.
- Mrs. Sonia Joshi and Mr. Nilesh Lakade attended a one week STTP on “Advances in RF Communication and Antenna Design” (Hands on Practice) from June 19-23, 2017 at SPIT Andheri.
- A one week AICTE-ISTE approved STTP on “Bioinformatics: Emerging Research Trends and Applications” was attended by Mrs. Pragya Gupta , Mrs. Seema Talmale. This course was coordinated by Mrs. Kirti Sawlani Chairperson, ISTE Teachers’ Chapter.
- Lab Assistant Mr. Kiran Kardile attended a workshop at VIT, Mumbai on “Maintenance of Electronics Laboratory Equipment” from January 9-13, 2017.



Microcontroller Fabrication Workshop



Subject Board Meeting



STTP on "Bioinformatics"



Maintenance of Electronics Equipment workshop

Expert Lecture Delivered

- An expert lecture was delivered by Dr. Jagannath Nirmal on "Recent Trends in Biomedical Signal Processing" on January 21, 2017 at VJTI, Mumbai.
- Dr. Jagannath Nirmal delivered a guest lecture at Xavier Institute of Engineering, Mahim on "Research opportunities in speech and language" on January 12, 2017.
- Mrs. Arati Phadke conducted a session on "Guidelines for filling NBA SAR" on June 12, 2017, under the AICTE-ISTE approved one week National level STTP on "Strategies and Practical Approaches of OBE and NBA Processes."

Guest Lectures

- Mrs. Sushma Kadge arranged a guest lecture on "Biomedical Electronics" for B.E. students on January 31, 2017. It was conducted by Mr. Rachit Jhaveri, Assistant Manager, L & T, Mumbai.
- Guest Lecture on "Use of Anadigicard" by Dr. P. V. Chavande (alumni of IITB) was arranged by Mr. Milind Marathe for all the faculty of department.
- Mr. Satish Jadhav, Director Biotech System conducted one day workshop on Biomedical Electronics for BE students on February 14-15, 2017, this was organized by Prof. Sushma Kadge and Prof. Milind Marathe.

Faculty Achievement

- Heartily congratulations to Dr. Sudha Gupta for completing her Ph.D. in the area of Image Processing. She was honored her Ph.D in April, 2017.
- Mrs. Arati Phadke and Mrs. Megha Sharma presented a paper on “A Case Study: Efforts for Improvement in Attainment of Course Outcomes in Control System Engineering”, 4th International Conference on Transformations in Engineering Education (ICTIEE17) Jaipur, on January 11-12, 2017.
- Mr. Makarand Kulkarni presented a paper titled “Quadrature Hybrid Coupler using a Novel Coaxial cable Implementation for VHF band” in a one week workshop on Advanced Antenna Technology organized by IEEE-IAW 2017 at Pune from June 5-9, 2017.

Student Activity

- Workshop on “Biomedical Electronics “was conducted by Mr. Satish Jadhav, Director Biotech System on February 14-15, 2017 for B.E. students. This was arranged by Mr. Milind Marathe and Mrs. Sushma Kadge.
- Our departmental fest “Potential” was celebrated on March 18, 2017. Some fun events were arranged for the faculty. Academic toppers were felicitated on this day. Departmental magazine Periscope was released by the Alumni.

Results

S.Y B. Tech.

NOV - DEC 2016: Semester III

- Kulkarni Soham
- Benke Harshada
- Auti Mayuresh

T.Y.B.Tech.

NOV - DEC 2016: Semester V

- Bhabal Sanchita
- Marathe Pooja
- Dharap Rohit

BE

NOV - DEC 2016: Semester VII

- Akshaya Nagarajan
- Vaisakh Haridas
- Kulkarni Sayali

FY M.Tech.

NOV - DEC 2016: Semester I

- 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, Blue star , Reliance Industries Accenture and many more. 105 students got selected in various companies.

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

- Heartiest Congratulations to our student Mr. Prasad Subramanian for securing **All India Rank 4** in GATE 2017 (Engineering Physics).
- Pratik Gheewalla, Jinal Chothani and Krishna Modi participated in National level Robotics Competition and got 24th rank out of 108.
- Pranit D., Vishal Dama and Priya Pujara got first prize in Prakalpa Paper presentation competition.
- Congratulations to our ME students Abhijit Patil for getting NRDC Budding Innovators award. His guide was Mr. Milind Marathe.

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

“I never teach my pupils, I only attempt to provide the conditions in which they can learn.” — Albert Einstein

