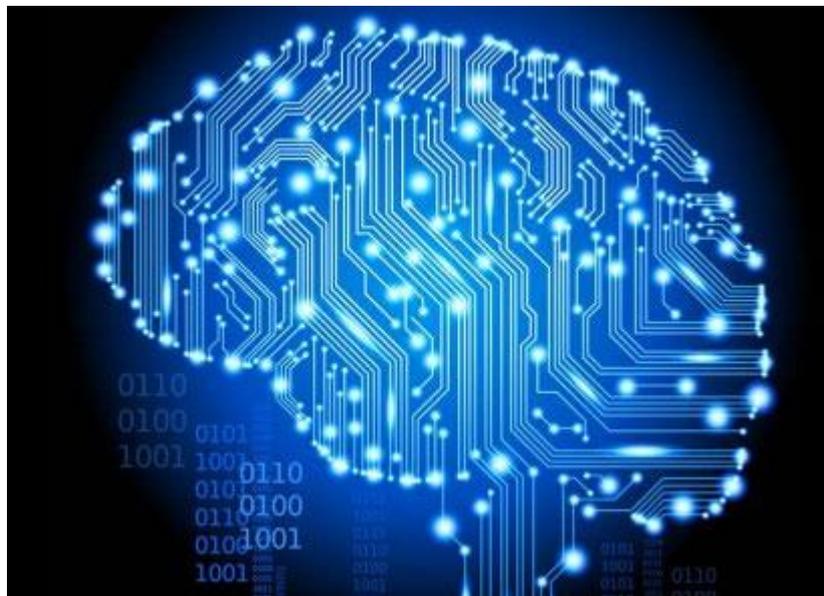


K. J. Somaiya College of Engineering
(Autonomous College Affiliated to University Of Mumbai)
Department of Electronics Engineering



NEWSLETTER
July – December 2016

Editorial Committee
Prof. Lekha Das (Chief Editor)
Prof. Megha Sharma

Thought from the HOD



It gives me immense pleasure to present half yearly newsletter for July – December 2016. The current newsletter highlights the activities of our students and the achievements of faculty during the past six months. The newsletter which documents faithfully the activities of the past six months stands as a model of the quality

We, as a team resolve to take the department to heights of success and glory and prepare for the forthcoming challenges. Our students are very innovative and ever eager to learn new concepts. Our students have demonstrated their capabilities and brilliance by securing internship in highly reputed international organizations. Apart from teaching, our faculty members are deeply engaged in research work and scientific collaboration in national and international projects. Our faculty and students regularly present their research findings in various academic conferences.

I am sure that systematic, unified and wholehearted effort will take us to new heights. I like to congratulate faculty, staff and students for their efforts to achieve excellence and wish them all the best for the future.

Wish you all a very Happy and Prosperous New Year !!!

***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

- A one day workshop on “Introduction to Experiential Learning” was organized by Prof. Arati Phadke on July 4, 2016. Mr. Prashan Mahajan and Ms. Sudha Iyer, faculty with Somaiya Centre for Experiential Learning conducted the workshop. Faculty from all departments of the college attended.
- Exam audit was conducted July 22, 2016 for control and power group. External expert audited test papers, end semester exams and question papers.
- There was an academic audit for learning and teaching activities, laboratories and projects by the external committee in the department on July 26, 2016.
- Orientation program for first year students and parents was conducted on August 8, 2016.
- The Selection of the departmental students association EESA 16-17 was done by Ex EESA council and faculty in charge through interview and then selected council was announced in the inauguration function held on August 9, 2016.
- An Orientation was conducted on “IDC (Inter Disciplinary Course)” on August 22, 2016 by faculty coordinator Prof. Deepa Jain. IDC is a compulsory credit course for Semester IV.
- Prof. Uday Chhatre and Prof. Amrita Naiksatam arranged an industrial visit for all the students of FY M. Tech (Electronics) as a session of Solid State Devices Course to IITB, on September 3, 2016. The focus of the visit was to study nanofabrication technology.
- An Industrial Visit was arranged on September 17, 2016 for all the students of F.Y. M. Tech as a session of Professional Practice Lab Course to J Group Robotics, Machining, Manufacturers in Chandivali, Mumbai by Prof. Uday Chhatre.
- Parent-proctor meeting was arranged on September 17, 2016 in the department. Information about audit course, result analysis, attendance rules, and placement was shared with parents.
- Elective orientation for PG students was conducted on September 27, 2016
- The subject board meeting was held on October 26, 2016 to finalize L. Y. B. Tech scheme and syllabus.
- Internal Audit of test 1 and test 2 of July-Nov 2015 and 2016 was conducted on November 2-3, 2016
- An Orientation program on “Technologies and Career Opportunities” was organised by Prof. Nilesh Lakade on November 25, 2016. The speaker was Mr. Shrikant Karve, General Manager, and Technology Cell Godrej Security Solutions.
- STTP on “Wavelet Transform and its Applications: Hands on” was organized by Dr. Jagannath Nirmal and Prof. Sudha Gupta from December 19-23, 2016.



Workshop on Experiential Learning



HOD addressing Parents- Proctor Meeting



EESA Inauguration



Internal Audit



F.Y.B. Tech. Orientation



Subject Board Meeting



Orientation Course on IDC



IIT lab Visit for PG students



STTP on "Wavelet Transform and its Applications: Hands on"



Expert talk on "Carrier and Opportunities" by Mr. Shrikan Karve from Godrej



Session by Expert during STTP



Visit at J Group Robotics, Machining Manufacturers in Chandivali, Mumbai

Faculty Activities

Our faculty attended various workshops, STTPs and courses during last semester.

- A workshop on “Introduction to Experiential Learning” was attended by Prof. Arati Phadke, Prof. Uday Chhatre, Prof. M.S. Marathe, Prof. Megha Sharma and Prof. Sonia Joshi on July 4, 2016 at KJSCE.
- Prof. S.A. Hanumante and Prof. Sonia Joshi attended a workshop on “Evaluation and Teaching” on 22- 23 October 2016.
- Two week STTP on “Wavelet and Machine Learning” was attended by Prof. Sushma Kadge from November 15-25, 2016.
- An STTP on “Wavelet Transform and its Applications: Hands on was attended by Prof. Pragya Gupta from December 19-23, 2016.
- Prof. Sujata Jadhav, Prof. Bharti Khedkar and Prof. Rajshree Daryapurkar attended a two day workshop on “Network Simulator 3” on December 23-24, 2016 at Sinhgadh University, Lonavala.

Expert Lecture Delivered

- Prof. Arati Phadke delivered a lecture on “Application and Advancements in Digital Systems” in RAIT, Nerul on October 5, 2016.
- An expert lecture was delivered by Dr. Jagannath Nirmal on “Application of Neural Network in Signal Processing” in K.K. Wagh College of Engineering, Nashik on October 9, 2016.

Guest Lectures

- A guest lecture on “Computational Electromagnetic” was conducted by Dr. S.V. Kulkarni from IIT, Bombay for T. Y. B. Tech. Students on August 23, 2016. This was organized by Prof. Makarand Kulkarni and Prof. Sonia Joshi.
- Expert lecture for PG students on “IPR & Patents” by Mr. Vipul Kapadia was conducted on November 4, 2016. It was organized by Prof. Uday Chhatre.



Welcome of Expert Dr. S.V.Kulkarni from IITB



Lecture session on IPR and Patents for PG Students

Faculty Achievement

- We congratulate Dr. Jagannath Nirmal for getting promoted as Professor in the department.
- Heartily congratulations to Dr. Samidha Kulkarni for completing her Ph.D. in August 2016. She was felicitated in the department on October 22, 2016.
- Prof. Kirti Sawlani and Prof. Bharti Khedkar got CAS increment this year.
- Prof. Arati Phadke presented a paper on “A Pilot Study: Introducing HDL Lab Course for Effective Learning of Digital Design” in 8th International Conference on Technology for Education T4E 2016 to be held at IIT Bombay on December 2-4, 2016
- Dr. Samidha Kulkarni got UGC travel grant for presenting paper in international conference at Boston.



Prof. Arati Phadke presenting her paper at IITB



Falicitation of Dr. Samidha Kulkarni by Principal

Student Activity

- A workshop on “Mini Project” was arranged for second year students on August 9 2016.
- Scientific Calculator workshop was arranged for first year students by EESA on August 12, 2016.
- An Industrial visit was arranged at IIT Bombay MEMS fabrication lab on September 3, 2016 by EESA Council.
- Internship on Arduino was arranged from August 23 – September 3, 2016 by EESA council.
- EESA arranged an event ROBO-CROSS in Abhiyantriki 2016 on September 30, 2016.



Mini Project Workshop



Scientific Calculator Workshop

Results

S.Y B. Tech.

May - June - 2016: Semester IV

- Bhabal Sanchita
- Bhawke Ankita
- Naveen Vijayraj

BE

May - June - 2016: Semester VIII

- Sule Shardul
- Jain Divya
- Naik Prajval

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. 102 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.

TE

May - June - 2016: Semester VI

- Rao Anagha
- Akshaya Nagarajan
- Ansari Mohd.Musaddique

FY M.Tech.

May - June - 2016: Semester II

- Mummadi Chaitanya
- Buriwar Samidha
- Sutar Dimpal

Students Achievements

- Our student Sujay Kotwal got 1st prize in project competition for 3D Printer in Prakalpa 2016.
- Kaustubh Mhatre, Jay Tawade, Chirag Karia, Mohisin Khan got 2nd prize in project competition for Voice for Voiceless in Prakalpa 2016.
- Aniket Nayar from third year and Parth Nayak from fourth year participated in Formula Students Germany from August 9-14, 2016. They got 1st place in cost analysis.

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

***"All of us do not have equal talent. But, all of us have an equal opportunity to develop our talents."
- A.P.J Abdul Kalam***

