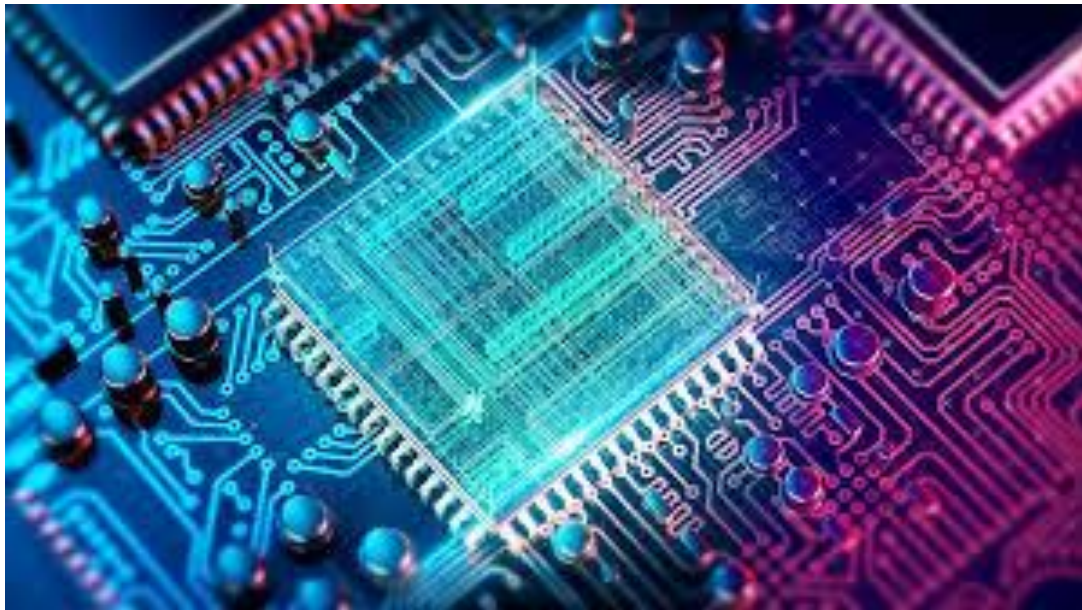




***K. J. SOMAIYA COLLEGE OF ENGINEERING***  
(AUTONOMOUS COLLEGE AFFILIATED TO UNIVERSITY OF MUMBAI)

***DEPARTMENT OF ELECTRONICS ENGINEERING***



***NEWSLETTER***  
***JANUARY-JUNE 2018***

*Editorial Committee*

*Dr. J.H. Nirmal (Chief Editor)*

*Head, Department of Electronics*

*Mrs. Megha Sharma(Editor)*

*Faculty, Department of Electronics*



## Thought from the HOD



*It is a matter of pride to present yet another edition of Newsletter from January-June 2018. 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 provide opportunity for students to work as members of a team on multidisciplinary projects. We also promote student awareness for life-long learning and to introduce them to professional ethics and codes. 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.*

***Dr. J.H. Nirmal***  
***Professor & Head,***  
***Dept. of Electronics Engineering,***  
***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.

**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:**

- One day workshop on “LabVIEW environment” was conducted by Ms. Lekha Das for SY students on January 17, 2018. This was arranged by Dr. Winnie Thomas.
- A Seminar on “Industrial Automation” was conducted by Mr. Shreeniwas Kulkarni from Sage Automation for SY and TY students. This was organized by Mrs. Megha Sharma on January 31, 2018.
- One day hand on workshop on “Microcontroller and Applications” for SY students on February 3, 2018 was conducted by Mr. Sandeep Hanumante , Mrs. Sujata Jadhav and Dr. Winnie Thomas.
- A workshop on “Introduction to IP address” for Lab Assistants was conducted by Mrs. Sujata Jadhav on February 21,2018.
- e-Yantra Ideas Competition sponsored by MHRD through the National Mission on Education through ICT (NMEICT) was organized by Mrs. Arati Phadke and Mrs. Kirti Sawlani on February 27,2018. 12 teams from 7 different colleges participated as finalists.
- A Talk on “Industrial Automation” was conducted by Mr. Shahid Amin(Alumni) in the department on February 28, 2018.
- A workshop on “LabVIEW Environment” was conducted by Mrs. Lekha Das for Lab Assistants on March 3, 2018.
- Seminar on “Awareness of Outcome Based Education” for Lab Assistants was conducted by Mr. Makarand Kulkarni and Mrs. Bharti Khedkar on March 17, 2018.
- A lecture on “Sujok Therapy” was organized by Dr. Sudha Gupta on March 17, 2018 for KJSCE faculty.
- Placement orientation for TY students was organized by Mrs. Seema Talmale on March 28, 2018.
- A two day workshop on Mobile cross platform application was conducted by ATS Infotech Private Limited on March 29-30, 2018. This was arranged by Mrs. Bhargavi Kaslikar.
- A workshop on “LabVIEW and NI hardware” was conducted by Ms. Lekha Das from May 9-11, 2018 in the Electronics department for faculty of entire college. This was organized by Mrs. Pritam Salankar.
- Academic audit was held in the department on March 9, 2018. External Committee appreciated departmental R&D innovations , Funded projects, Peer publications and students projects
- Degree Certificate Distribution ceremony was held in the department on March 24, 2018.
- Elective orientation in the department was organized for TY students on April 14, 2018.
- Parent Proctor meeting for FY students was conducted in the department in the month of March 2018.
- Project Orientation was organized for LY and TY students in the month of April 2018.
- AICTE-ISTE sponsored STTP on “Industrial Automation: Hands on” was organized by Dr. Samidha Kulkarni and Mrs. Pragya Gupta from June 4-8, 2018.
- Departmental Open day was organized successfully on July 5,2018.
- Lab assistants have also conducted sessions on various topics under Nonteaching staff skill development program during the semester. Details are:
  - Mrs. Nilima Tupe on Windows 8 Installation
  - Mr. Sudhir Chaudhary on e-filing of Income Tax
  - Mrs. Mamta Dalvi on PROTEUS Software



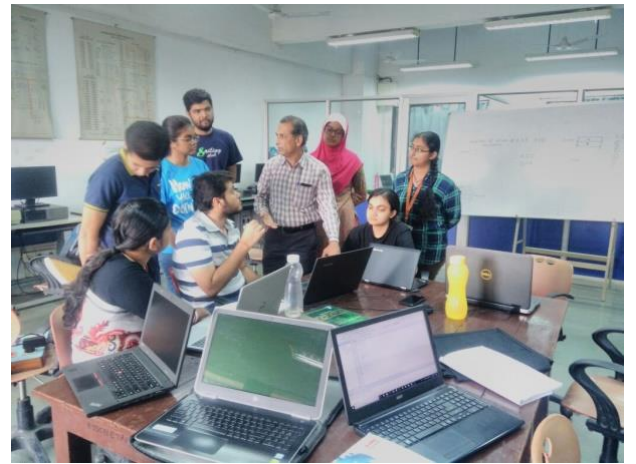
**LabVIEW workshop for KJSCE Faculty**



**Academic Audit**



**STTP on "Industrial Automation-Hands On"**



**Microcontroller Workshop**



**Sessions during STTP on Industrial Automation**



**Degree Certificate Distribution**



**Guest Lecture on “Industrial Automation”**



**eYIC 2018**



**Guest Lecture on “ Role of LabVIEW in Engineering aspects’**



**Workshop on Lab-VIEW for Poly-technique Students**



**Team Got TATA Power Academia Award 2018**



**Lab-VIEW Workshop for Non-Teaching Staff**



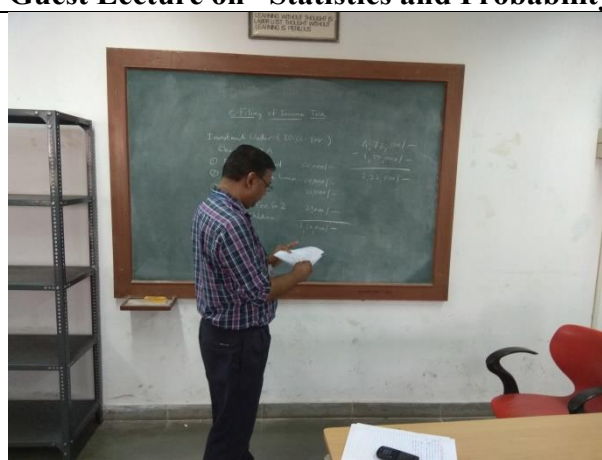
**Inhouse Internship**



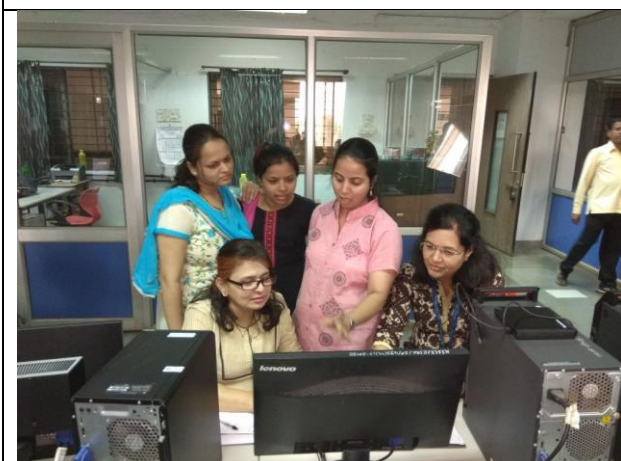
**Guest Lecture on "Statistics and Probability"**



**Orientation for TY and LY**



**Workshop on e-Taxation**



**Study Circle on Windows 8 Installation**



**Placement Talk**





**CPMA Workshop**



**Workshop on IP Addressing**

### **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.

- Mrs. Arati Phadke attended Fifth International Conference on Transformations in Engineering Education at Thiagrajar College of Engineering, Madurai on January 7-8, 2018.
- NAAC Sponsored National Conference on “Curriculum Design and Evaluation” at K.J. Somaiya College of Science and Commerce was attended by Mrs. Annu Abraham on January 12-13, 2018
- A Workshop on Education by Mr. Milind Marathe was attended at Rajiv Gandhi Proudthiki vishwa vidyalaya and Vidhyarthi Kalyan nyas, Bhopal on January 24-25, 2018.
- A fire safety awareness program was attended by Mrs. Annu Abraham and Mr. Sandeep Hanumante on March 1, 2018 at Ravindra Natya Mandir Hall, Mumbai.
- A workshop on “Nano technology opportunities and challenges in engineering material and manufacturing” was attended by Mr. U.P. Chhatre and Mrs. Amrita Naiksatam at VJTI Mumbai on March 5-10, 2018.
- E-Yantra Symposium 2018 was attended by Mrs Arati Phadke on March 24, 2018 at IIT Bombay.
- Mrs. Samidha Kulkarni and Mrs. Pragya Gupta attended a AICTE-ISTE Induction Programme on “Innovative Teaching Learning Practices to Achieve Outcome Based Education and Accreditation” from May 3-9, 2018 at SPIT Mumbai.
- FDP on “Engineering Exploration Courses” was attended by Mrs. Arati Phadke at KLE Technology Hubli from May 14-18, 2018.

- AICTE-ISTE STTP on “Industrial Automation- Hands on” was attended by Mrs. Seema Talmale from June 4-8, 2018.
- Mrs. Anagha Raich attended a one week AICTE-ISTE STTP on “Cloud Computing from June 11-16,2018 at KJSCE Vidyavihar.
- Mrs. Amrita Naiksatam completed a NPTEL online certification course on Bio-electrochemistry of 8 weeks.
- A hands on workshop for students of K. J. Somaiya Poly technique students on “Introduction to LabVIEW and Data Acquisition” was conducted by Ms. Lekha Das from June 25-29, 2018.

#### **Expert Lecture Delivered:**

- Dr. J.H. Nirmal conducted a session in ISTE approved STTP on machine intelligence and DSP applications at Pillai College of Engg. Rasayani On January 4, 2018.
- Dr. J.H. Nirmal Delivered an expert talk on “Deep Learning for Signal Analysis ISTE approved STTP on Deep Learning , Computer and Signal Analysis at Xavier Institute of Engg.
- A session during International Conference on Communication, Information and Computing Technology was conducted by Dr. J.H. Nirmal in SPIT on February 2-3, 2018.
- Dr. J.H. Nirmal was invited as session chair for CETE-2018 Conference at Thakur College of engineering on February 23-24, 2018.
- Dr. J. H. Nirmal was invited as speaker on Signal and speech processing application and Machine Learning in SIES Nerul on April 6, 2018.
- A session was conducted by Dr. J.H. Nirmal in a AICTE-ISTE STTP on “Industrial Automation- Hands On” on June 8, 2018.

#### **Guest Lectures:**

- A guest lecture on Biomedical Instruments was conducted by Biokit India for LY students on March 19,2018. This was arranged by Mrs. Shila Dhande.
- Mr. A.S. Desai, Head S&H delivered an expert lecture on “Statistics and Probability” for SY and TY students along with faculty on March 21,2018. This was organized by Mrs. Megha Sharma.
- Mrs. Rajashree Daryapurkar arranged a guest lecture on “Role of LabVIEW in specific aspects of engineering on April 4, 2018. This was conducted Prof. Kasambe from SPIT, Mumbai.

#### **Faculty Achievement:**

- Mrs. Arati Phadke presented a paper in IUCEE sponsored Fifth International Conference on Transformations in Engineering Education titled “Use of Network Model for analysis of curriculum and its mapping to program outcomes” at Thiagrajar College of Engineering, Madurai on January 7-8, 2018.

- Mrs. Arati Phadke represented KJSCE in " Make Quality Happen" MQH - IMC Ramkrishna Bajaj National Quality Award Trust's Best Practices Competition on March 8, 2018. Best Practice Presented was " Inclusive Education by creative ecosystem in KJSCE"

#### **Student Activity:**

- An Industrial visit to Institute of Plasma Research Ahmedabad was arranged by Mr. Makarand Kulkarni and Mrs. Bharti Khedkar for KJSCE students from January 22-25 2018.
- A Visit to SVV data Centre KJSCE for LY B.Tech students was arranged by Dr. Sudha Gupta and Mrs. Bharti Khedkar on April 7, 2018.
- The Training and Placement Cell along with EESA Council organized the Placement Orientation seminar on 28th March, 2018.

#### **Results:**

##### **S.Y B. Tech.**

Nov- Dec 2017 Semester III

- JOSHI AMOGH
- SHIVGAN KAJAL
- REGOTI SHARAD

##### **L.Y. B.Tech**

Nov-Dec : Semester VII

- BHABAL SANCHITA
- BHAWKE ANKITA
- DHARAP ROHIT

##### **T.Y.B.Tech.**

Nov-Dec 2017: Semester V

- KULKARNI SOHAM
- AUTI MAYURESH
- BENKE HARSHADA

##### **FY M.Tech.**

Nov- Dec 2017 : Semester I

- MULEY PRIYANKA
- KURUP VARUN
- MUNVAR NIRMOL

#### **Placement:**

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

#### **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.

- Team of four students Shrikrishna Hunswadkar, Purvesh Panchamia, Parthiv Hemal Shah and Jay Mehta won the first prize in the T& D Knowledge Fair 2018, organized by TATA Power. Their guide was Mrs. Kirti Sawlani.
- Our PG student Nikita Poyekar was placed in Kongo Education Services.

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