



# ELECTRO - PAGES

**JUNE 2014  
TO  
JANUARY 2015**







Department of Electronics,  
2nd floor, VESIT,  
Collector Colony,  
Chembur, Mumbai-74



### ***Circuit Complete...***

These are the words which our students have said time and again during their tenure with us. Be it mentoring them and winning Design contests like Robocon, Cadence, Texas Instruments or motivating them to participate in National, International contests, conferences or just getting them placed in world's leading corporations for jobs like L&T, Siemens etc. and much more they always felt that, "With us by their side the Circuit was Complete".

It gives me immense pleasure to introduce you to Electronics Department of Vivekanand Education Society's Institute of Technology, a prestigious Institute affiliated to Mumbai University and as the Head of Department, I feel extremely honored to empower and educate the next generation of Electronics Engineers.

The Department of ELECTRONICS Engineering was established in the year 1984 to impart quality education to the budding engineers. Innovation and Invention is the heart of modern technology and the goal of our department is to 'Design a student who can produce the next generation state of art – circuit, system or consumer product along with being well cultured and globally competent'.

Our faculty members are experts in the areas they teach. The faculty members not only provide high quality education to the students, but also are themselves immersed in cutting-edge research which covers almost all disciplinary areas of Electronics Engineering. We emphasize on team work to give opportunity to each student to benefit from the ideas and intelligence of their classmates. With the demand and "Need of industry we train the futuristic Engineers with Industrial Training/Workshop in new technologies to compete and progress in this world. We are confident that we will continue to set a legacy wherein we along with our technocrats through analytical, logical and technical skills will serve the society for ages to come.

...Cherishing the moments of Completing Circuits and looking forward to complete many more circuits

### **HOD Message**



**Mrs. Kavita Tewari**

### **VISION**

To equip our students with the latest state of technology & implement their ideas to conduct research in selected areas of excellence within traditional disciplines technologically important and relevant to the region and development of nation.

### **MISSION**

- The department is committed to produce technocrats ready to handle the state-of-art in the field of electronics engineering.
- The department is committed to prepare students to contribute effectively to the profession and society for advanced study, lifelong learning, and conduct research integrated with education in selected areas of excellence.

### **EDITORIAL TEAM**

Dr. T. Rajani Mangala (Professor)  
& Ms. Neelam Chaudhari (Asst. Professor)

### **Students:**

- Kanchan phadtare •Sanika Pandharkar
- Arjun Bajpai •Pawan Gehaney •Sagar Eidnani



## **Programs Conducted by Department**

### **Skill Enhancement Lectures (SEL)**

SELs were arranged by the department to bridge the gap between the institute and industry.

We invited experts from industries and R&D fields. A glimpse of our SELs is as given:

Mr. Sanjay Chowdhary conducted a 2 hour session for our II and III year students on “Need of electronics in industry”. Mr. Mangesh Koshe and Mr. Manish Singh of Reliance Jiyo spoke to our IV year students on 4G Mobile communications. Mr. Arnold Pariera from Microsoft US Settle and Yash Doshi from Call com. conducted a session on the topic “Guidance for Higher studies in India & Abroad” to our III and IV year students. Mr. Anurag Chug from Teach for India” conducted a session on the topic “Internet of Things” to our II and III year students.

## **Workshops**

### **“Drives & Motion Control” Workshop**

This workshop was organized Mrs. Gauri Sahoo (Asst Professor), in July 2014 for the Final year students of Electronics & Instrumentation students.

It was a combination of lectures & relevant laboratory sessions. At the end of the workshop, students were evaluated by conducting confined test on the contents of the workshop.

### **Arduino workshop for Staff**

Workshop was successfully conducted in July, 2014; by Mr. Abhay Kshirsagar (Asso Prof), in collaboration with VESIT Research Forum. Concepts of ‘Embedded Systems’, basic Arduino board and its hardware were elaborated in the workshop. Various experiments using LEDs, LDRs, TSOP, and LM35 were developed during workshop; also the projects that can be developed with Arduino were discussed.

### **STTP on “MATLAB”**

One week ISTE approved Short Term Training Program on “MATLAB” for the Students & Research Scholars of Electronics department was conducted between 7<sup>th</sup> & 11 July, 2014 was conducted by the Department, and coordinated by Mr. P. Birajdar (Asst. Professor) and Mr. Abhijeet Shete (Asst. Professor). Speakers were from reputed engineering colleges & VESIT, shared their expertise in the various MATLAB toolboxes such as Signal Processing, Image Processing, Filter design etc. Hands-on training to the participants was given by Mr. P Birajdar and Mr. Abhijeet Shete.





## INDUSTRIAL VISIT TO BANGALORE

### Industry visit program to Bangalore from 25<sup>th</sup> June to 29<sup>th</sup> June, 2014

Our faculty and students went to Bangalore for an Industry Visit.

They visited Lumos Tech., which makes a solar backpack which has flexible solar panel stitched into backpack and the battery in the backpack starts charging.

Visit to Yourstory.com, India's no.1 media platform for entrepreneurs gave students an idea about Indian startup sector and entrepreneurship followed by some success stories such as Redbus, Flipkart, Linkedin and many more. Students had a visit to IKA, Germany based company.

Students were taken to all the sections in product development; starting from its designing sketches till its applications. Departments, students went through; which include product designing, electronics, mechanical, software development, production, quality control, packaging and storage. Students also saw assembling and testing of magnetic stirrer.

SELCO, working in rural areas to fulfill their need of electricity was also visited by our students and faculty. Students also visited the Vishveshwarya Industrial and Technological Museum (VITM), science centre, Bangalore.



## INDUSTRIAL EXPLORATION



**Voltas Limited**



**KRYFS Transformers**

### Industry visit program to Silvassa from 20th Dec to 22 Dec 2014

Industrial visit to Silvassa was arranged for second year students from 20th to 22nd December 2014. The students went to a transformer manufacturing unit of KRYFS Power components Ltd. Located near the border of D & NH. In this visit the students were briefed about various parts of a power transformer and a distribution transformer. Students were taken Voltas Pvt. Ltd. This Unit manufactures Centralized and Industrial cooling systems and air conditioners. Students also visited Madhuban reservoir which is used for irrigation Satmaliya Deer Park.

# Faculty Development Program



FDP on “Dynamic Edge to Effective Communication ‘ and “Intellectual Property Rights” was organized by Dr. T.Rajani Mangala along with Mrs. Geeta Ajit between 2<sup>nd</sup> and 9<sup>th</sup> January 2015 for the teaching faculty of all the departments. It was a huge success.

A 3-days FDP on “Enhancing Teaching Learning Experiences” was organized by Mrs. Shoba Krishnan and Dr. T Rajani Mangala in VESIT. Senior Faculty from of Electronics Department participated in it.

## Students Achievements

### TECHNICAL PAPER PRESENTATIONS

- **Salil Vaidya** (D11B)

Technical paper presentation in IEEE international

- **Ankita R** (D6A)

2nd in Technical paper presentation (Vartak polytechnic)

- **Shreelaxmi K, Jeffin V., Nitin Shenoy, Bhavesh Singh**

1st in Technical paper presentation (SPIT fest)

- **Nitin Kadian-**

I) 1st in tantra’15 Technical paper presentation (TSEC)

II) 3rd in CSI-RAIT national level Technical paper presentation

III) 1st in elan’14 Technical paper presentation

### L & T DAY

**Namrata Kolapkar** and **Rohit Rawat** won 1st prize in building GUI competition in November, 2014

### INTERCOLLEGIATE ROBOTICS COMPETITION

**Pawan Gehney** participated in semi-finals in 2014