

ANNUAL REPORT OF EVENTS CONDUCTED BY
DJSCE IETE-SF IN THE ACADEMIC YEAR 2014-15



The Electronics and Telecommunication Department of Dwarkadas. J. Sanghvi College of Engineering presents Institution of Electronics and Telecommunication Engineers- Student Forum (IETE-SF). The student chapter with a working force committee of **54**, consisting of **31 second year** and **23 third year students**, hosted a few of the most quintessential and technically challenging events. A membership drive was conducted at the start of the year with an overwhelming response.

IETE Organizing Committee Structure

Faculty Incharge:- Prof. Mrinal Patwardhan, Prof. Anuja Odhekar

Chairman	Shreya Kamdar
Vice-Chairman	Manan Shah, Gautam Chedda
Secretary	Pankil Shah
Treasurer	Heta Ved
Head Of Departments :	
Marketing	Radhika Paralkar, Meghav Desai
Publicity	Naishil Shah, Shankesh Mutta, Shreya Nair, Mahika Arya
Technical	Shaan Shetty
Book Bank	Payal Patel, Shweta Vyas
Infotech	Chirag Hamirani
Creatives	Bhumi Mistry, Omkar Salunke
Events	Chirag Hamirani, Pooja Shah

Events

1) Internet of Things Workshop

Have you ever imagined walking into your house to find that the AC is already cooling the room for you and the microwave is set to heat your food all via a signal that your car location sent to the devices at home that are all connected to the internet? Well, this is future proof of how technology is going to be garnered.

Technologists believe that by 2020, 50 billion devices will be connected to the Internet. The IOT workshop was conducted by experts from **Eduvance** and attended by 40 students and three faculty members, **Dr. Amit Deshmukh, Prof. Anuja Odhekar and Prof. Poonam Kadam**. It was held in the 5th floor labs and one theory session in the Seminar Hall. It was an eight hour session comprising of both theory as well as practical sessions at the end of which IOT boards were built and programmed.

2) Industrial Visit to Dahanu Thermal Power Station (DTPS)

The IETE committee of D.J.Sanghvi College of Engineering organized an industrial visit to **DTPS dated 29th January, 2015** which was attended by **41 second year and 5 third year students of EXTC dept.** under the supervision of 3 faculty members, **Dr. Amit Deshmukh, Prof. Shivani Bhattacharjee and Prof. Neelam Phatak**.

The group visited Reliance Energy LTD's single largest power generating facility of 500MW (2x250MW) coal based thermal power station commissioned in 1995. After a 3 hour journey to Dahanu from Mumbai, the students were received by a staff member who escorted them inside. The visit began with a brief explanation aided with a helpful PowerPoint presentation and a model of the plant explaining the following:

- Coal and Ash handling systems
- Steam and Water circuits
- Air and Gas handling system
- Electric Switch Yard
- DM Plant

It continued with a visit to the 2 power generating units, the Electrostatic Precipitator (ESP) to collect the fly ash and a 275.34m stack (highest in India and second highest in Asia) to ensure better dispersion of particulate matter. The students also visited the

coal unloading facility where coal from Korba (Indian washed coal) and coal imported from Indonesia were mixed in a 3:1 ratio to fuel the plant. The facility had wagons filled with coal getting clasped and rotated 170 degrees to unload the coal in 2 minutes. Post lunch, the students were shown a 50 minute long presentation organized by the company, rebriefing them about the processes at the plant after which they left to return back to Mumbai. This industrial visit has helped the students get an overview of the real practical aspects of a coal based water plant.

3) Book Bank

Book Bank is an initiative made by IETE that makes **reference books** available to students at **20% of the original cost**. It improved the core competency and to strengthen the teaching ability. These books are referred by the faculty members and hence it makes the studying process efficient and helps increase the student's technological knowledge about the subject. It also helps build a foundation of the concepts that could enhance the practical skills required in the future. It gets refreshed every year and has several books to offer currently.

4) D J SPARK 2015