



*"Tell me, I'll forget. Show me, I'll remember.
Involve me, I'll understand"*

Chinese proverb

From time immemorial, the education system of India has been considered very effective, rigorous and structured. As a result, Indians have earned very high regards for their intellectual and analytical capabilities across the globe. The credit should be given to the well balanced curriculum and pedagogical approach. But with the recent globalization, the companies are becoming more and more skill demanding. Academician has been posed with a severe challenge to prepare their students to meet and cope up with the demand. As a result the curriculum has also started changing on much regular basis then ever before and industrial visit has become an integral part of most of the curriculum across the country.



The mentioned Chinese proverb captured the essence of an industrial visit. Practical learning has always been considered as one of the most tactical method of teaching. It gives stu-

dents an amazing opportunity to see and get involve in the practical aspect of the world of work. Industrial visit allows students to get a better insight of internal working of companies through interaction, working methods and employment practices. It gives them exposure to current work practices and ways to implement their theoretical knowledge being learned in the classroom.

The Department of Electronics and Communication Engineering firmly believes in the concept of practical learning and strongly promote industrial visits among its student. Various visits has been

organized in the past not only in-and-around Rajkot but as far as the Electronic Hub of India, Bengaluru. This semester also the department has organized one industrial visits for both semester 8 and 6 students.





Final year students went to Kerala to visit three companies namely, Indian Space Research Organization (ISRO), Kerala State Electronics Department Corporation (KELTRON), Kerala Electrical & Allied Engineering (KEL). The visit started at the dawn of Feb 20, 2015. All the 56 students (Girls: 12, Boys: 44) along with 3 faculties (Lady: 1, Gents: 2) boarded the train to Thiruvananthapuram from the Rajkot Junction Railway Station. After two days of tiring but extremely enjoyable journey they reached their destination on Feb 22, 2015.

The formal visit started with one of the most reputed organization among the world's scientific community, ISRO. On arrival, students were taken directly to the ISRO auditorium to show historic development of the ISRO with short films. During the ISRO visit students got exposure to various military and economic importance launch vehicles and missiles. The ISRO gave a good demonstration on the design, construction and launch of various missiles. Students also got opportunity to experience the flight simulator located at Vikram Sarabhai Space Centre, various satellites & launch vehicles in the various Aerospace Demo labs established by IIST. Also, students got to know what are the various job opportunities in ISRO and the procedure of applying for the same.



Next day on Feb 24, 2015 students visited KELTRON where they learn about various national importance projects undertaken or being supported by KELTRON. Projects like Solar stand LED lights Design, Capacitor & resistor manufacturing, critical sub-assemblies and their testing which includes launch vehicle navigation and guidance computers, stage processing modules, control electronics modules, inertial sensing unit's power module, DC-DC converters design were discussed with students.



At the end of the visit students also inquired about various internship opportunities at KELTRON. Next day the group traveled to Cochin to visit KEL. It gives students the exposure to various Electronics components design in Transformers Division unit, Structural division unit & various projects like Falcon Missile Project, Power car Project & RADAR application projects in detail.

Almost a month before, the students of semester 6 also visited companies at Bengaluru and Mysore during their industrial visit. It started from Jan 4, 2015 along with 57 students (Girls: 32, Boys: 25) and 3 faculties (Lady: 1, Gents: 2). Three companies were visited in Mysore and two in Bengaluru.

The quest of learning started with the visit of carbon resistor manufacturing industry, Ace Components & Electronics Private Limited in Mysore. Students got to see how carbon resistors are made from scratch. They practically experienced how carbon layer is deposited on the ceramic pieces and how the values of the resistors are set and quality and precision of each resistor is maintained.

When in a Mysore, how can anyone skip the charm of Mysore silk saree and when they are budding engineers the inquisitive on their production is quite natural. What can be a better place to understand the production technology of Mysore Silk saree then Karnataka Silk Industries Corporation Limited (KSIC), Mysore. During the visit at KSIC students got to see how the silk sarees, gold zari sarees and other garments are made from raw silk yarn. Students got to see how the winding, double winding, twisting, double twisting, looming, weaving and dyeing are done. It was a great experience for everyone.





INDUSTRIAL VISITS



Later, they visited the Kirloskar Electricals Private Limited, Mysore where students learn about the manufacturing of switch gears & Transformers . Then the group moved to Bengaluru to visit the JVS Electronics Pvt. Ltd. which manufacture protective and auxiliary relays, annunciators, hooters, instruments and other control equipment.

We are very much thankful for all the industries and their staff members for allowing our students to visit their campus and learn from their rich experience. Everywhere we got the wholehearted support which made these visits quite special and memorable. We are also grateful to the management of Marwadi Education Foundation's Group of Institution for providing all the means and resources to make these visit a success.

The Department of Electronics and Communication Engineering at MEFGI, Rajkot is committed for providing a high quality education to it students. Almost everyday all the faculties do brainstorm on their scale about how to make the learning of students more efficient and practical. Such visit generates tremendous effect which make us bound to start working for our next visit to a new place, with new companies for new learning.