



# SUMMARY REPORT OF

**"ONE DAY INDUSTRIAL VISIT  
AT L&T KNOWLEDGE CITY "**

Switchgear Training Centre-  
Vadodara



Industrial visit was carried out at Switchgear training center, L&T Knowledge city on 3<sup>rd</sup> August, 2016 especially for 7<sup>th</sup> semester student. With an aim to go beyond academics, industrial visit provided student a practical perspective on the world of work. It provided students with an opportunity to learn practically through interaction, working methods and employment practices.

64 students along with 4 faculties, Prof. Sharad Patel, Dr.Chirag Naik, Prof. Chinmay Naik left for visit at 6.15 A.M and took about four hours to cover the distance. The company is located on NH.8 near Vadodara.

As soon as we reached company we were guided by Mr Jaydeep Patel for breakfast where an orientation of company was given and further scheduled of the visit discussed. Schedule of the visit was as following:

- 1) 10:30am to 11:30am – Introduction about company
- 2) 11:30am to 11:45am - Morning Tea break
- 3) 11:45am to 1:15pm - Introductory & Basics about Indian Electrical Power System, Basics of switchgear
- 4) 1:30 pm to 2:00pm - Lunch Break
- 5) 2:00pm to 3:30pm - Factory visit & Actual Demonstration of switchgear product at Switchgear Training Centre-Vadodara
- 6) 3:30pm to 3:40pm - Evening refreshment tea
- 7) Closing

Major takeaways of the visit:

- A major strength of L&T is its in-house design and development centre for switchgear as well as a tooling facility that designs and manufactures a wide range of high precision tools, a pre-requisite for high quality products. L&T continuously promotes a culture of experimentation that facilitates innovation and creation of intellectual property
- As India's leader in low-voltage switchgear, L&T spearheaded the cause of generating awareness on electrical hygiene in the country. The initiative began by training electricians in remote villages on agricultural switchgear products. It was later extended to industrial engineers and workmen who were imparted training on industrial switchgear products at a single location. In 1986, L&T set up its first non-profit Switchgear Training Centre (STC) in Pune with the objective of enhancing knowledge and necessary skill sets of personnel for proper maintenance and efficient working of electrical equipment and systems for industry-wide improvements in productivity and higher profitability. Later, such centers came up in Connoor, Lucknow and Vadodara. STCs promote good electrical engineering practices and provide an excellent platform for discussions and learning on technical issues.
- STCs adopt an unbiased, generic approach of switchgear – their selection, installation, safety, maintenance criteria, energy conservation techniques, etc. so as to cater to the maximum number of industry aspirants. The target audience comprises all users of low-voltage switchgear – electricians, technicians, maintenance supervisors, engineers as well as L&T's customers and business associates such as panel builders, OEMs, consultants, contractors, electrical utilities as well as university faculty and students from India and abroad.

- Visit included theory-based classroom sessions, video-based instructions, practical demonstrations and hands-on training for 'learning by doing'.

It is rightly said that "See & know" is better than 'read & learn'. Students have got real feel of switchgear's working after this visit. They got a chance to transfer their theoretical knowledge to practical implication. This will even help students to understand subject matter clearly in future also.

We along with student would like to extend our gratitude to company for permission and support they gave to make our visit a success with accomplishment of objective.

Thanks

Prof. Sharad Patel

Dr. Chirag Naik

Prof. Chinmay Naik

(In coordination with students )

