



**HOPE Foundation's**  
**Finolex Academy of Management and Technology, Ratnagiri**  
**Department of Electrical Engineering**

**Industrial Visit to TE Electrical to the 110 kV/ 33 kV  
Transmission Substation**

The Department of Electrical Engineering arranged an industrial visit for the students of **third-year Electrical Engineering** to the **Transmission Substation** at Kuvarbaon, Ratnagiri, on **30th April 2026**.

The visit was arranged as part of the curriculum of the Power System Protection & Switchgear Lab. The visit provided students with practical exposure to real-time power system operations, substation equipment, and protection mechanisms employed at high voltage transmission substations.

During the visit, **Shri Ashutosh Tambe, Deputy Executive Engineer, MSETCL**, along with the other officials, explained SLD of the 110 kV/33 kV substation and different substation equipment like LA, CB, CT, PT, isolators, PLCC, etc., their ratings with their installation. They discussed the types of conductors used for transmission lines of different lengths and capacities. During the visit, students were introduced to the following:

- Substation layout and single-line diagrams.
- Components like power transformers, circuit breakers, isolators, current and potential transformers, busbars, lightning arresters, and control panels.
- Protection relays and coordination schemes.
- Switchgear operation, interlocking mechanisms, and SCADA system demonstration.
- Safety procedures and maintenance practices followed in high voltage environments.

A total of **65 students and 02 faculty members** participated in the visit. **Prof. Priya Potdar** was the event coordinator. **Dr. Sandeep D. Chawda** and **Prof. P. A. Potdar** accompanied the students during the visit. The industrial visit provided an enriching learning experience that reinforced theoretical knowledge with practical insights. It effectively met the course objectives and contributed significantly to the students' holistic engineering education.

Photographs:



**MSETCL Officer elaborating the substation infrastructures to the students**



**Dy. Executive Engineer Mr. Satish Salvi instructing the students**