



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

Electrical Engineering Students on Industrial Visit to Kuwarbaon Transmission Substation

The Department of Electrical Engineering arranged an **Industrial Visit to Kuwarbaon Transmission Substation, Ratnagiri** on **20th October 2023** for the students of final-year Electrical Engineering. A total of **25 students** and **02 faculty** members participated in this visit.

Kuwarbaon Transmission Substation, is a transmission substation having 75MVA capacity and 110/33KV substation. Initially, **Shri Ashutosh Tambe**, MSETCL Engineer (**Alumnus of FAMT**) explained the SLD of the entire station through an interactive session. Various components of substation, ratings, and usage were discussed in detail. Thereafter, the students were divided into two groups. One of the groups, which was led by **Shri Omkar Mayekar, MSETCL Engineer** visited the switchyard of the substation. The actual locations, mechanisms, operation procedures of different substation equipment were studied. Students studied power transformers and their different ratings, SF6 breakers, OLTC, Field controls, cooling and protection of transformers. The other group which was led by **Shri Ashutosh Tambe** visited the control room. Students were enlightened on topics like distance protection, differential protection, REF, O/C and E/F, associated protection relays, their operation, the Control mechanism of the substation, batteries, battery charging system and monitoring system. Students raised many questions related to the functioning of the system which were explained in depth by both the officers.

The visit ended with a vote of thanks. Prof. M N Tagare expressed gratitude to Shri Ashutosh Tambe for planning the entire visit. Similarly, he thanked Shri Omkar for his kind cooperation and knowledge sharing. Overall, students expressed their satisfaction with the visit.

Prof. M.N. Tagare coordinated the visit and Prof. M S Modak accompanied him during the visit. Master Sairaj Sawant Student of BE Electrical held the department in administrative work.

Photograph:



Electrical Engineering Students and Faculty.



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