

Industrial Visit Hoodi Power Receiving Station 400/220 KV -Bangalore

A one-day Industrial Visit to Hoodi Power Receiving Station 400/220 KV, Bangalore, was organized by the Department of Electrical and Electronics Engineering, on 20th May 2024, for the 4th semester students. 42 of our students visited the organization, accompanied by faculty members Dr. M. Elenchezhiyan and Mrs. Gayathri R.



Industrial visit to Hoodi Power Receiving station 400/220 KV. 4th semester students during the Industrial visit organised by EEE department.

In the field Mr. Prasad, Maintenance Engineer, Hoodi Power Receiving Station 400/220 KV, explained about the single line diagram of the entire substation. In AGC control center,

controlling of the loads, faults and storing the data of each incoming and outgoing lines, monitoring all the data on a single system, and also operating all the relays which is computerized. On the explained Transformers, load points, Distribution system, transmission system, Circuit breakers, isolators on the transmission line.



Mr. Prasad Explaining about substation using single line diagram.



Substation View

The students were able to understand about monitoring and control of power flow in the substation. In the field, students have a look at different substation equipment such as power transformers, busbars, isolators, instrument transformers, lighting arresters, earthing equipment etc. Students also understood the cooling mechanism of power transformers.

Outcome of the event:

- 1) Students got the exposure of SCADA system.
- 2) Students was exposed to the field in substation where they got practical knowledge of transformers, lightning arrestors etc.
- 3) The visit helped students in attaining the program outcome.