

Electrical Engineering Students on Industrial Visit to M/s Bharat Electricals

An Industrial Visit to M/s Bharat Electricals, Ratnagiri was arranged for **TE Electrical** students on **Saturday, 09th April 2022**. A total of **58 students** and 02 faculty participated in the visit. Transformers are a very important and crucial part of the power system. A depth and practical understanding of transformer is must for an Electrical Engineering student. Given this, an industrial visit was arranged.

M/s Bharat Electricals is a transformer repair workshop handling a transformer up to 1MVA. During this visit, all the parts of the distribution transformer including CT and PT, their construction and their assembly were explained to the students. HV and LV coil winding machine and its process, ovening process to improve insulation resistance were also demonstrated. The use of megger to measure insulation resistance between Phase to phase, phase to earth and between HV and LV was shown. Various materials like a copper conductor, iron laminations, bushings, breathers etc. were studied. The process of transformer oil filtering and BDV testing and Off load tap changer and its operation were also demonstrated.

Prof. M. N. Tagare arranged this visit. Prof. Mangesh Modak assisted him. The visit ended with thanks to Shri. Mukree, the owner of the workshop and Shri Rakesh, who arranged all the demonstrations during the visit.

Photographs of Industrial Visit:



Prof. M N Tagare explaining the use of Megger for insulation testing



**Electrical Engineering Students and faculty with Shri. Rakesh from Bharat Electricals
(Group1)**



**Electrical Engineering Students and faculty with Shri. Rakesh from Bharat Electricals
(Group 2)**

