

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Report on Industrial Visit to KAVIKA.

The Department of Electrical and Electronics Engineering had organized an Industrial visit to KAVIKA for 2nd, 3rd year students as a part of Industrial visit to impart the knowledge of Transformers. "KAVIKA" is a Govt factory which designs and manufactures the Step-Down Distribution Transformers. Students thoroughly enjoyed the experience of Designing and manufacturing of different ratings of transformers.

LOCATION: KAVIKA (Karnataka Vidyuth Karkhane Limited), Mysuru road, Bengaluru - 560026

OWNER: Government of Karnataka

PURPOSE: To gain the Knowledge of Transformers Design, Manufacturing and Parts of Transformer.



The poster for the Industrial Visit to KAVIKA features the Sairam College of Engineering logo and accreditation details on the left. The top right corner displays various institutional and national accreditation logos including NAAC, AICTE, and the Institution's Innovation Council. The central text, set against a light orange background, reads: **INDUSTRIAL VISIT KAVIKA (Govt. of Karnataka) (Karnataka Vidyuth Karkhane Ltd.) Mysuru Road, Bengaluru**. Below this, the date **Date: 21.01.2023** is prominently displayed. The bottom left corner shows a photograph of a power substation and identifies the **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**. The bottom right corner features the Sairam Institutions logo and a portrait of a man.

We reached the factory at 1:00 pm had our lunch nearby the factory since our visit timing was 2:00 pm to 4:00 pm, we entered the factory at 1:45 pm. Mr. Janardhan and Mr. Sathish, site engineers were allocated to explain the process. They started explanation from the Basics of Transformer, its parts, Material used for the

transformer, How to do the winding, Types of windings, they showed the fully done winding core, Types of conductor used for LV and HV winding, They explained the process of testing the Turns ratio of the winding, Explained the process of Immersing the winding in the core, How to remove the moisture present in the windings, They explained the testing process of Transformer and many more to the students. It was wonderful experience with the site engineer they were very polite and explanation regarding the equipment's and their working was really good and clear, They also cleared the doubts asked by the students. They also given positive feedback about the students and regarding their active participation in the activity. We facilitated them with the college momentum.



We returned back to college campus at 6:30 pm safely on the same day.

Thanking you.

Industrial visit Coordinator

Prof. Pushparaj H

HOD – EEE

Prof. Malini K V