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Department of Electrical and Electronics Engineering Industrial Visit Report

Industrial Visit to Vijay Electric, Bengaluru

Date and Time

- **Date:** 03 December 2025
- **Time:** 9:00 AM to 1:00 PM

Venue

Vijay Electric
Kadabagere Village,
Dasanapura Hobli,
Bengaluru, Karnataka

Participants

- **Class:** II Year B.E.
- **Branch:** Electrical and Electronics Engineering
- **Section:** A

Organising Body

Department of Electrical and Electronics Engineering
New Horizon College of Engineering
(In association with IEEE NHCE Student Branch and IEEE TEC Student Branch Chapter)

Faculty Coordinators

- Prof. Kavitha C H
- Prof. Sujoy Das

Industrial Visit Coordinator

- Dr. B. Gunapriya, Professor, EEE

Convenor

- Dr. S. Sujitha, HoD – EEE

Institutional Authorities

- Dr. Revathi V, Dean – R&D
- Dr. R. J. Anandhi, Dean – Academics
- Dr. Manjunatha, Principal

Industrial Visit

Date: 3rd December 2025
Time: 10:00 AM to 4:00 PM
Target Group: 2nd Year Students, EEE (Section B)
Location: Vijay Electric Co. Pvt. Ltd
Kadabagere Village
Dasanapura Hobli,
Bengaluru - 562130

Faculty Coordinators
Dr. Suloy Das
Prof. Kavitha CH
Dr. Revathi V
Dean - R&D

Industrial Visit Coordinator
Dr. B Gunapriya
Dr. R J Anandhi
Dean - Academics

Convener
Dr. S Sujatha
HOD - EEE
Dr. Manjunatha
Principal

Organised by
Department of Electrical and Electronics Engineering

Objective of the Visit

The objective of the industrial visit was to provide second-year EEE students with practical exposure to electrical power systems, transformers, switchgear equipment, and industrial electrical installations. The visit aimed to enhance students' understanding of real-time applications of electrical engineering concepts and familiarise them with industry practices, safety standards, and professional work culture.

About the Industry

Vijay Electric is a well-established organisation engaged in the manufacturing, servicing, and maintenance of electrical equipment, including transformers, power distribution components, and related electrical systems. The company plays a significant role in supporting power infrastructure and follows standard engineering practices to ensure safety, reliability, and efficiency.





Details of the Visit

The visit began with an introductory session where industry personnel explained the company's profile, product range, and operational workflow. Students were then taken on a guided tour of various sections of the facility, which included:

- Transformer assembly and inspection areas
- Electrical testing and quality assurance sections
- Power distribution and protection systems
- Safety procedures and maintenance practices

The experts explained transformer construction, cooling methods, insulation systems, and testing procedures. Students also learned about preventive maintenance, fault identification, and safety measures followed in electrical engineering industries.

Key Learning Outcomes

Students were able to:

- Understand the practical aspects of transformer operation and testing
- Learn about industrial electrical safety and standards
- Observe real-time power distribution and protection systems
- Correlate theoretical concepts with industrial applications
- Gain awareness of career opportunities in the electrical power sector

Benefits to Students

- Improved practical understanding of electrical machines and power systems
- Exposure to industrial environment and professional ethics
- Enhanced interest in core electrical engineering subjects
- Better preparedness for higher studies and industry roles

Conclusion

The industrial visit to Vijay Electric was highly informative and beneficial for the II Year EEE students. The visit successfully bridged the gap between classroom learning and real-world industrial applications. It enhanced students' technical knowledge, practical understanding, and motivation towards the field of electrical engineering.