

**Industrial Visit Report**  
**Department of Electrical and Electronics Engineering**  
**New Horizon College of Engineering, Bangalore**

### **1. Introduction**

The Department of Electrical and Electronics Engineering (EEE), in association with the IEEE NHCE Student Branch and IEEE DEIS Student Branch Chapter, organized an Industrial Visit for the 4th Semester students of Section “A”. The visit aimed to provide students with practical exposure to industrial practices, testing procedures, and quality certification processes related to electrical and electronic systems.

Industrial visits play a vital role in bridging the gap between theoretical knowledge and real-world industrial applications. This visit enabled students to gain insights into industry standards, testing technologies, and certification procedures used in modern electrical and electronic equipment.

### **2. Details of the Industrial Visit**

<b>Particular</b>	<b>Details</b>
<b>Date</b>	2nd April 2026
<b>Time</b>	10:00 AM – 04:00 PM
<b>Venue</b>	TUV Rheinland India Pvt. Ltd., Electronic City Phase IV, Bangalore
<b>Participants</b>	4th Semester EEE Students (Section A)
<b>Organized By</b>	Department of Electrical and Electronics Engineering
<b>Associated Chapters</b>	IEEE NHCE Student Branch & IEEE DEIS Student Branch Chapter

### **3. About the Organization**

TUV Rheinland India Pvt. Ltd. is a globally recognized testing, inspection, and certification organization. The company provides services in product testing, safety certification, quality assurance, and compliance verification for various industrial sectors including electrical and electronic equipment.

The organization ensures that products meet international safety and performance standards. Their laboratories are equipped with advanced testing facilities to evaluate electrical insulation, electromagnetic compatibility, product reliability, and environmental compliance.

### **4. Objectives of the Visit**

The main objectives of the industrial visit were:

- To expose students to real-world industrial testing and certification processes.
- To understand international safety and quality standards used in electrical equipment.
- To observe advanced laboratory testing facilities and measurement systems.
- To understand the role of certification bodies in ensuring product reliability and safety.
- To bridge the gap between academic learning and industrial practices.

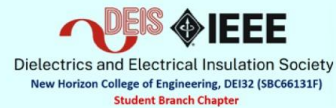
## 5. Activities During the Visit

The industrial visit began with a welcome session by the officials of TUV Rheinland India Pvt. Ltd., where students were introduced to the organization, its global presence, and the services it provides.

The experts provided a detailed presentation on product safety testing, electrical insulation testing, and certification procedures required for electrical and electronic devices. Students were introduced to various international standards followed for electrical equipment safety.

Following the introductory session, the students were taken on a guided tour of the testing laboratories. During the laboratory visit, students observed several testing setups used for evaluating electrical products. The experts explained the functioning of equipment used for insulation testing, safety compliance testing, and performance evaluation.

The engineers also demonstrated how products are tested under different environmental and operational conditions to ensure reliability and safety. Students actively interacted with the experts and clarified their doubts regarding testing procedures, industrial standards, and career opportunities in testing and certification organizations.



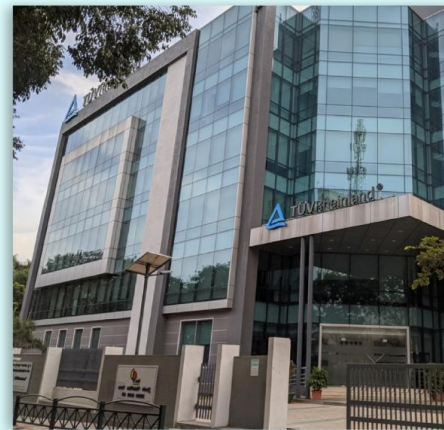
## Industrial Visit

 2<sup>nd</sup> April 2026

 10:00 AM to 04:00 PM

 4<sup>th</sup> Semester, Section "A"

 TUV Rheinland India Pvt. Ltd.,  
Plot No: 17B, Electronic City Phase IV,  
Industrial Estate, Begur Hobli,  
Bangalore -560066



Faculty Coordinators  
Dr. Meenakshi Sundaram  
Professor Veena M H

Industrial Visit Coordinator  
Dr. B Gunapriya

Convenor  
Dr. S Sujitha  
HoD - EEE

Dr. Revathi V  
Dean - R & D

Dr. R J Anandhi  
Dean - Academics

Dr. Manjunatha  
Principal

Organised by  
**Department of Electrical and Electronics Engineering**

## 6. Learning Outcomes

Through this industrial visit, students were able to:

- Understand the importance of **product testing and certification** in the electrical industry.
- Gain exposure to **industrial testing laboratories and advanced measurement systems**.
- Learn about **international safety standards and compliance requirements**.
- Understand the role of **quality assurance and safety certification organizations**.
- Enhance their awareness of **career opportunities in testing, inspection, and certification sectors**.





## 7. Conclusion

The industrial visit to TUV Rheinland India Pvt. Ltd. was highly informative and beneficial for the students. It provided valuable exposure to real-world industrial environments and helped students understand how theoretical concepts are applied in practical industrial testing and certification processes.

Such visits play a crucial role in enhancing students' practical knowledge and preparing them for future careers in the electrical and electronics industry. The Department of Electrical and Electronics Engineering expresses its sincere gratitude to the management and technical team of TUV Rheinland India Pvt. Ltd. for facilitating this insightful industrial visit.

