

# INTERNSHIP REPORT



Report submitted by the students

of

**Electrical And Electronics Engineering (S6)**

(Duration: 16-06-2025 to 20-06-2025)



**BISHOP JEROME  
INSTITUTE**

## Participance

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## Introduction

During this period , we had the privilege of completing an internship at **Kerala State Electricity Board Limited (KSEBL)**, training centre **Electrical Section Ayathil, kollam .**

This report aims to provide an overview of our experiences, during the internship.

## Company Background

The Kerala State Electricity Board (KSEB) is a public sector organization responsible for electricity generation, transmission, and distribution in the state of Kerala. Established in 1957, KSEB has played a key role in electrifying the state and meeting its growing power demands.

Now operating as KSEB Limited, the company is divided into three major functional units: **Generation, Transmission, and Distribution**. It manages numerous hydroelectric power stations and substations and is actively involved in expanding renewable energy sources such as solar and wind power.

## Objectives

The objective of this internship was to gain practical exposure and foundational understanding of the operations and infrastructure within the Kerala State Electricity Board, specifically at the Electrical Section Ayathil, kollam. Through a structured five-day training program from June 16 to June 20, 2025, the internship aimed to:

Understand the basic concepts and functions of an electrical section.

Learn about the electricity distribution process and its key components.

Familiarize with equipment used in distribution such as cables, UG cables, poles, and insulators.

Observe the operation of control rooms and understand the fundamentals of power transmission.

Identify and understand the function and ratings of various field equipment in a live electrical yard setup.

This internship provided a comprehensive overview of real-world electrical systems, complementing theoretical knowledge with hands-on observation and interactive sessions.

## Conclusion

The five-day internship at KSEB Electrical Section Ayathil was a valuable and enriching experience that bridged the gap between academic knowledge and real-world application. Each day provided us with insightful learning—from understanding the basics of electrical systems to exploring the detailed process of power distribution and transmission.

We gained practical exposure to essential components such as underground cables, poles, insulators, and distribution equipment. The visit to the control room and yard deepened our understanding of how electricity is managed, monitored, and delivered to consumers efficiently and safely.

Overall, this internship enhanced our technical knowledge, improved our awareness of field operations,

and gave us a clearer perspective of the roles and responsibilities within the power sector. It served as a strong foundation for our future career in electrical engineering.

## Acknowledgements

I extend my heartfelt thanks to the Assistant Engineer and all the staff members at the KSEBL Ayathil section for their guidance, support, and for sharing their knowledge patiently throughout the training period.