



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Seminar Report

Title: Seminar on Heavy Electrical Machines in Industries

Date: 09-01-2026

Venue: EEE Seminar Hall

Speaker: Dr. I. Jagadeesh

A Seminar on “Heavy Electrical Machines” is successfully organized on 09-01-2026 on the occasion of Lal Bahadur Shastri, commemorating the death day of the former Prime Minister of India. Shri Lal Bahadur Shastri, whose ideals of simplicity, integrity, and national service continue to inspire generations. The seminar aims to create technical awareness among students about the design, operation, applications, and recent developments in heavy electrical machines, which play a crucial role in power generation, transmission, and industrial applications. The program also aligns with the vision of promoting technical excellence and nation-building, in the spirit of Lal Bahadur Shastri’s contributions to India.

The seminar session focuses on key topics such as large synchronous generators, high-capacity transformers, heavy-duty induction motors, alternators, cooling techniques, insulation systems, protection methods, and maintenance practices of heavy electrical machines. Special emphasis is given to the role of heavy electrical equipment in thermal, hydro, nuclear, and renewable energy power plants, as well as their importance in modern industries. Students actively participate in the seminar and interact with the resource person by raising questions related to machine performance, fault diagnosis, and future trends. The interactive discussion enhances their understanding of theoretical concepts and their practical relevance in the electrical engineering field.

The seminar concludes with a brief reflection on the values of discipline, dedication, and selfless service exemplified by Shri Lal Bahadur Shastri, encouraging students to apply both technical knowledge and ethical principles in their professional careers.



