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**INDUSTRIAL VISIT ORGANIZED BY THE
DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

Industrial Visit-Bangalore Metro Rail Corporation Ltd – Bangalore Metro Rail Depot Baiyapanahalli

A one-day Industrial Visit to Bangalore Metro Rail Corporation Ltd – Bangalore Metro Rail Depot, Baiyapanahalli was organized by the Department of Electrical and Electronics Engineering on 20th March 2025, for the 4th semester students. 35 students from the 4th semester visited the organization, accompanied by the faculty member Dr. M. Elenchezhiyan.



Students of the 4th semester during the industrial visit to Bangalore Metro Rail Corporation Ltd – Bangalore Metro Rail Depot, Baiyapanahalli.

The BMRCL is a joint venture of the Government of India and the Government of Karnataka, which is responsible for implementing and operating the Namma metro in

Bengaluru. It plays a crucial role in easing traffic and congestion and providing a sustainable public transport system for the city. It has several sections like the Operation and Maintenance department, the Project and Construction Department, and the Electrical Signaling Department.

Er. Chidanand from the E&M Division was in charge of the explanation batch. Initially, students were assembled in the auditorium, where they were given a brief about how the metro is used in day-to-day life and its expense through a video presentation.



Students visiting the Operational Control System and Rand D section at the BMRCL Metro Department

Students were briefed about the maintenance of the metro and the upcoming yellow line, the functions of the yellow line, how it works and its objectives. They were able to visit the Operational Control System, where students were briefed on faults occurring in the metro line.

Students also visited Rand D section, the train control section and the communication section were briefed by working of each department and also the software used for the smooth operation of the metro.

OUTCOME OF THE EVENT:

- Students wouldbe able to understand the Electrical and Mechanical systems which power the metro.
- Students wouldbe able to understand the traction systems, signaling systems.
- Students wouldbe able to acquire the practical experience on the operation of the metro on the rail track,and alsothe ticketing systems of the metro.
- The students were also provided information about applying Internship process in BMRCL.