



# **NEW HORIZON COLLEGE OF ENGINEERING**

New Horizon Knowledge Park, Ring Road, Marathalli  
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS**

**ENGINEERING**

**INDUSTRIAL VISIT**

**[Even Semester 2021-22]**



**Date: 28<sup>th</sup> May 2022**

**Location: BEML, Mysore**

**Report by: Sowmyashree [1NH19EE107]**



Students of Electrical and Electronics Engineering department, New Horizon College of Engineering were taken to an Industrial visit to BEML [ Bharat Earth Movers Limited] which is in Mysore Industrial Area on the 28<sup>th</sup> of May 2022. A total of 65 students from both A and B section of 6<sup>th</sup> semester were a part of this visit, along with 4 faculty members who were there for their guidance throughout the visit.



BEML is a Defence PSU company under the Ministry of Defence, Government of India. It is the largest Mining, Defence, Construction and Rail coach manufacturer in India. They have manufacturing units at Bangalore, Mysore, Kolar and Palakkad.

Students of NHCE were given a permission to see the Equipment Division of BEML for a duration of 2 hours. The industry staff guided the students through the whole campus, whilst showing them the Machine shop, Engine and truck division, Electric supply unit and many more. Students were given a chance to learn and understand the manufacturing process of motor graders, sprinklers, dumpers etc.

The Electrical subsystem in the equipment division used ring main system for distribution to all the manufacturing shops in the campus. The main electric transmission line of 66kV was stepped down to 11kV and then supplied to all the receiving units by stepping it down to a standard 440V. In this division, students were given a chance to take a closer look at the subsystem and its parts such as Switchgear, Insulation, transformers etc. Post this, EHT Metering cubicle was shown to them along with a detail explanation of the setup installed by the officers' present in the unit.

As the company was a part of Ministry of Defence, strict rules were maintained at the location, and any electronic gadgets were not allowed inside the campus. All students of NHCE maintained a good decorum throughout the visit, encouraging each other to learn and enhance their skills through these visits.

This Industrial visit has provided the students with an industry exposure like none other, along with the practical explanation of a subsystem, it's parts and working.