



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
And Affiliated to University of Mumbai

Department of Electrical Engineering

Industry Name:	EMU Western Railways, Virar Car shed.
Name of the Expert Speaker:	Mr. Rahul G.
Designation:	Chief Executive Engineer
Organization/Institution:	Viva Institute of Technology
Date:	07/10/2019
Time:	10:am onwards

Industry visited Summary/Details: VIVA Institute of Technology had organized an Industrial visit on 7th October 2019 to Western Railways, Virar Car shed. It was conducted for one day visit. Under the guidance of our Professors Mrs. Piyali Mondal & Mr. Rahul Abhyankar, Electrical Engineering Department. Many Traction systems have been developed over the period depending on dominant technologies at that time and traffic demand. Traction systems for urban, Sub-urban and mainline transport developed over the period are at 750V DC, 1500V DC, 25kV AC, 2x25Kv, and 50kV AC. 750 and 1500 V DC are mainly for urban transport whereas 25kV and 2x25kV for all types of transport. 50kV is exclusively for stand-alone dedicated heavy haul long-distance transport.

The aim of this educational visit was to provide detailed knowledge related to the Traction system of Western Railways. The students had a brief review of the Control Unit, Different electrical Systems used in trains (EMU).

Finally we leaved the place at 4:30 pm and concluded the visit.

Photos:

