Industrial Visit

Industrial Visit Report

**Computer Branch of MHSSP First Year**

**MTNL CETTM   Powai**

**Industrial Visit to MTNL CETTM**

**16th April, 2022.**

We of the Computer Branch of MHSSP First Year visited MTNL CETTM, Powai at 10:00 am in the morning. All the students with two faculties gathered at the campus 30 minutes before entering the MTNL building.

After entering the building, The Technical Head of MTNL conducted a very informative session on the topic of Internet, OTT & Internet of Things. After an hour-long session we had a Network specialist teach us about the Evolution of the Generation of Internet. After this we were then taken to the Lab to show us the various equipment used to provide Internet access to the users.

We saw components like 2G & 3G Antennas, MSC, BSC, Optical Fiber Connection, etc. Then the network specialist explained us about the How the internet is provided through optical fiber connection, multiplexing & DE multiplexing & how it works. We learned a lot from this session about how the internet is transmitted from the ISP to the user by the method of multiplexing and DE multiplexing.

We were dividing in two batches as the Lab couldn’t contain 63 students at once. After the Lab visit The Technical Head took another small session on the topic of DSL, Cable & Fiber Wi-Fi connection and the Use of Modems in the Transmission of Internet.

At our Industrial Visit, we learned about the following things:

* What is Internet & IOT
* How Smart Home Devices work & What is OTT
* How the Internet evolved from 1G to 5G
* How MTNL provides 2G to 3G Internet Services to the user
* 2G & 3G Antennas
* How is Mux and Demux of Fiber cables done
* Various Types of Wi-Fi Routers

At around 2pm Industrial Visit was over.