



**VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF  
ENGINEERING AND VISUAL ARTS**

---

**Department of Humanities and Basic Science**

## **Industrial Visit/Educational Field Visit Report**

### **An Informative Event Attended at MTNL, Powai**

An Industrial Visit (IV) was organized by Humanities and Basic Science Department of Vasant Dada Patil Pratishthan's College of Engineering & Visual Arts (VPPCOE & VA) at MTNL, Powai on 13<sup>th</sup> Jan. 2023 between 9:30 am and 4:00 pm as a part of Student Induction program. 168 students of VPPCOE & VA reported at MTNL, along with faculty of first year.

The event began with an informative & Interactive seminar which was portraying all the relevant concept of current scenario of Transmission technologies, wireless technologies Broadband/FTTH and the future advancements delivered by Mr Sudhanshu Mishra of MTNL. Satisfactory answers were given to all the queries raised by students.

The Institute have a lab setup for Digital Telephone Exchanges, Transmission Technologies, wireless Technologies and Broadband/FTTH lab.

The institute had telephone Exchange with all the components, where the students were made familiar with the functioning of all the different components of telephone Exchange and functioning of Local, Tandem and TAX exchanges. At the end of the session students get familiar with the call processing in wire line/Landline Exchanges.

In Transmission lab, they had latest Transmission equipment like PDH, SDH and WDM. Students got familiar with the functioning of Optical fiber communication and various transmission equipment.

In wireless lab they had 2G & 3G working equipment ( BTS & Node-B) Installed in the lab. students got opportunity to know about various equipment of wireless technology.

Students know about the details of wireless technology from 2G to 5G. The call processing in wireless technology.

In Broadband lab they had DSLAM installed in the lab, the students got familiar with the

Working principle of broadband technology, how voice and internet services can be provided by same copper wire. they had latest FTTH ( Fiber to the home ) equipment. How higher internet speed can be provided to the customer's using Optical fiber.

The Overall experience was highly appreciated by the students as it was informative and the Industrial visit was found to be very fruitful.

Student Induction program coordinators & Organizers of Industrial Visit:

Dr Rajeev Ranjan

Mrs Shiney Saju

Mrs Neeta Vanage

Mr Sayas Lad

Dr A Y Shete

HOD, Humanities and Basic Science

## Photo Gallery



