

## **Report on One-day Industrial Visit to BSNL office, Indiranagar, Bengaluru.**

A one-day Industrial Visit to BSNL, Indiranagar, Bangalore was organized by Dr. Bapi Debnath Assistant Professor (IIoT Dept.) & Industrial Visit Coordinator at Department of Electronics and Communication Engineering, on 23<sup>rd</sup> July 2024, for the 6<sup>th</sup> semester students. A bus was used for transportation. We started at 8-30 a.m. from the college and reached BSNL venue at 10-00 a.m.

Total 45 students from 6<sup>th</sup> sem, ECE Dept. visited the organization, accompanied by faculty members Prof. Vijaykumar S and Prof. Suranya K. The students and faculty members were received by the Training Principal, BSNL, Indiranagar, Bangalore. After reaching to BSNL office all students were divided into three batches and each group was taken to learn about different modules namely switching, transmission and MDF (Main distribution function). Different modules were discussed and explained by several experts named as Mr. Sateesh (Junior Telecom Officer) Mr. Nagendra (Junior Telecom Officer) and Mrs. Monica (Subdivision Engineer)

During the visit to the switching modules, students gained practical insights into call-making and receiving. They received instructions on creating calling numbers and checking dial tones.

In the transmission module, students received a comprehensive briefing on Optical Fiber Communication (OFC), including its uses, advantages, and applications. Real cables were showcased to students, providing a tangible understanding of their operational procedures.

Within the MDF module, students were educated on the significance of the Main Distribution Function (MDF). They were briefed about both the line side and exchange side of MDF and were shown the functioning components of the distribution unit.

The visit came to an end at 2:00 pm and we left the premises and reached back to college at 3:30 pm. Students felt that the visit was an informative and interesting. We Faculty and Industrial coordinator express our sincere thanks to the Management, Principal, Vice-Principal, Dean Academic and HOD for permitting students for this informative visit.

### **Outcome of the Event:**

Students witnessed various technical process involved in live switching of telephone links at regional level. Students also gained knowledge about different types of switch boxes and links used for internet and voice communication.



**Group photo of all members for an Industrial Visit to BSNL office, Indiranagar starting from MVJCE**



**Group photo of all members at BSNL, Indiranagar Bangaluru**



**Mrs. Monika is discussing CDOT used in Switching Systems**

**BSNL Expert explaining about the Fault Tolerance of Copper Cable Connection of Telephone Systems**





**Mr. Nagendra, Member of BSNL, explaining about Live Connection OFC cables at the subscriber point.**



**BSNL Experts discussing Optical Switching Systems**





**Mr. Nagendra, Member of BSNL, explaining about the Modems used in Fiber cable.**



**BSNL Expert explaining about the Copper Cable Connection of Telephone Systems**