



## **One Day Industrial Visit to Regional Telecom Training Centre**

First year ECE students have been attended the one day industrial visit to BSNL Regional Telecom Training Centre on 03/2/2018. Ms.M.Archana and Mr. B.Manohar industrial visit coordinators have been guided the visit with the 76 students. We would like to extend my gratitude to management & principal for giving the opportunity to visit BSNL, Maraimalai Nagar, Chennai.

### **Industry Profile**

RTTC Chennai is one of the premier training institutes of BSNL. It imparts training in modern information technology, Telecom Engineering and Management to BSNL executives. This ISO 9001:2000 certified Centre of excellence is equipped with state-of-the-art telecom technology laboratories, which include Broadband Multiplex, switching system of CDOT and AXE make, transmission systems in digital microwave, fiber optics, SDH, STM rings and data communication systems with Wi-Fi equipment's and Cisco routers. The faculty members are well qualified technocrats and experienced professionals from among various telecom specialties. The lush green campus houses Library, Hostel and recreational amenities. This is the place where the Real Learning takes place.

### **Topics Discussed**

1. Tele phone exchange
2. Optical fiber
3. Broadband connections
4. Switching techniques

The function of optical fiber communication system is to convey the signal from the information source over the transmission medium to the destination. The transmission medium consists of an optical fiber and the receiver consist of an optical detector which drives a further electrical stage hence provide demodulation of optical carrier. A telephone exchange is a telecommunications system used in the public switched telephone network or in large enterprises. An exchange consists of electronic components and in older systems also human operators that interconnect (*switch*) telephone subscriber lines or virtual circuits of digital systems to establish telephone calls between

subscribers. The prime purpose of an exchange is to provide a temporary path for simultaneous bi-directional transmission of speech between Subscriber lines connected to same exchange (local switching) Subscriber lines and trunks to other exchange(outgoing trunk call) Subscriber lines and trunks from other exchanges(incoming trunk calls) Pairs of trunks towards different exchanges (transit switching).

**Student`s feedback:**

It was very useful for knowing about real time telephone exchange and functions of optical fiber communication system.

Photo Gallery



