



MOHAMED SATHAK A J COLLEGE OF ENGINEERING

34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603103



Department of Electrical and Electronics Engineering

Industrial Visit Details:

Academic Year (2016- 2017)

Name of the company : BSNL ,Southern Telecom Region
Address of the company : Chennai
Date : 31-08-2016
Timing : 10.10 AM
No of students attend : 32
Year : II year
No of Faculty : 2

Industrial Visit Report:

MOHAMED SATHAK A.J COLLEGE OF ENGINEERING, CHENNAI
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year: 2016 – 2017

SEM: III sem

Members Visited: II EEE (32 Students)

No. of Faculty Members Accompanied: 02

Industrial Visit Programme

at

“Digital Transmission Centre, TAX Network Monitoring Centre and Demo
on Optical Fibre Cable”

conducted by

Southern Telecom Region, BSNL, Chennai

on 31.08.2016.



Industrial Visit Report:

We have seen the networking system in BSNL office, Chennai.

There are four units.

1. Power supply unit
2. AC supply converted into DC supply unit
3. Networking Router unit
4. Optical Fibre Cable unit

1. Power Supply Unit:

- In power supply units DC voltage batteries are used in series.
- They are connected to UPS and battery unit for three supply unit, two for operating purpose and one is backup for any emergency purpose.
- A three phase supply is used to rectifiers.
- The working condition of backup unit system.

2. AC supply converted into DC supply unit

- They are many instruments are used like evaporator, condenser, turbine and etc.
- Here the AC supply is converted into DC supply.
- In this unit fully air-conditioning, because of to reduce the heat loss in the cable of rectifier system.

3. Networking Router unit

- In this unit we are seen, Router, switching controls, security system, monitoring system and server control system.
- The network is used in three ways, that is
 1. Local Area Network
 2. Wide Area Network
 3. Metropolitan Area Network
- The networking is mainly based on how the transmission is done between city to city, country to country in other words, Local, STD and ISD transmission connection.

4. Optical Fibre Cable unit

- This cable is used to transmit the telephone of local area network lines.
- The cable need to transmit data at very high speeds over long distance in very secure media.
- Inside this cable consist of Dummy tubes, Loose cable and yan.
- Here two cables are connected in one channel and two channels are connected in on PCM and 30 PCM are connected in 64 SCR and 4 branch of 64 SCR in a DWDM.

II YEAR EEE STUDENT

1. Smeera
2. Shreel
3. A. Arif
4. J. Prashant

FACULTY MEMBERS

J. Prashant
9/19/16

H. Prashant
9/21/16

HOD / EEE

J. Prashant
9/21/16

