



**Birla Vishvakarma
Mahavidyalaya Engineering
College, Anand
(IEEE Student Branch)**

INDUSTRIAL VISIT TO



BSNL Telecomm Exchange

29th February 2020

V.U. NAGAR, ANAND, GUJARAT

INDUSTRY PROFILE:

Company Name: BSNL

Type: Public

Specializations: Telecommunication Exchanges and Services

Founded: 2000

Headquarters: New Delhi

Key People: Shri Anuran Srivastava (CEO)

Website : www.bsnl.co.in

SUMMARY TABLE:

| | | | |
|---|--|--|--------------------------------------|
| Title of the workshop: | Industrial Visit to BSNL, V.U.Nagar, Anand | | |
| Name and Designation of Experts: | Name | Designation | |
| | R K Paghdar | SDE Engineer, BSNL | |
| | D B Shah | Junior Telecomm Officer, BSNL | |
| Organization and Department of Experts: | Sr.No | Organization Name | Department |
| | 1 | BSNL Telecomm Exchange | Telecomm and Exchange |
| Contact Information of Experts: | Sr.No | Contact No | Email Id |
| | 1 | 09400026832 | - |
| Name of Principal of the Institute: | Dr. Indrajit Patel | | |
| Department Name of the Institute: | Electronics & Communication | | |
| Name of Head of the Department: | Dr. Bhargav C. Goradiya | | |
| Year/Semester of the Students | 3 rd year students of EC | | |
| Specific Subject under which Seminar organized: | Telecomm and Switching, Analog and Digital Communication | | |
| Professional body under which seminar organized: | Dr. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section & Electronics and Communication Engg Dept | | |
| Date and Time of Seminar: | Date: 29/02/2020 Time: 11:30AM to 2:00 PM | | |
| Venue Name: | BSNL, V.U.Nagar, Anand | | |
| No of Days for Seminar/workshop: | 01 | | |
| Staff Coordinator's Name: | 1 | Dr. Darshan C Dalwadi | |
| | 2 | Prof. Kaushal Patel, Prof. Arjun Bhambhaniya | |
| Contact Information of Staff: | No | Contact No: | Email Id: |
| | 1 | 8160833427 | darshan.dalwadi@bvmengineering.ac.in |
| | 2 | 8980943264 | kaushal.patel@bvmengineering.ac.in |
| Total No of Students: | 15 | | |

ABOUT BSNL:

Bharat Sanchar Nigam Limited (abbreviated **BSNL**) is an Indian state-owned telecommunications company headquartered in New Delhi. It was incorporated on 15 September 2000 and assumed the business of providing telecom services and network management from the erstwhile Central Government Departments of Telecom Services (DTS) and Telecom Operations (DTO) as of 1 October 2000 on a going-concern basis. It is the largest provider of fixed telephony and broadband services with more than 60% market share, and is the fourth largest mobile telephony provider in India. BSNL is India's oldest communication service provider and its history can be traced back to the **British era**. During the British era, the first telegraph line, was established between Calcutta and Diamond Harbour. The British East India Company started using the telegraph in 1851 and till 1854 telegraph lines were laid across the country. In 1854, the telegraph service was opened to the public and the first telegram was sent from Mumbai to Pune. In 1885, The Indian Telegraph Act was passed by the British Imperial Legislative Council. After the bifurcation of post and Telegraph department in 1980s, and with the creation of Department of Telecom by 1990s, eventually led to the emergence of the State owned telegraph and telephone company **BSNL**. BSNL then continued the telegraph services in India until it shut down telegraph services completely in July 15, 2013.



ABOUT INDUSTRIAL VISIT UNDER IEEE BRANCH CHAPTER :

The industrial visit to BSNL was conducted on 29th February 2019. We departed at 11:30 am from the BVM College. There were 15 students (3rd Year) along with faculty members Prof. Kaushal Patel (EC Dept) who has supported this industrial visit.

At around 12:00 pm the first session of General Introduction and the Briefing about the company's work was given by two of their engineers DB Shah and RK Pagoda.

They made us aware about Telecomm Exchange Techniques such as NGN system of exchange they work on and provide the necessary steps to design and verify the same functionality. The overall design flow about NGN and services were demonstrated by 12:45 pm.

Around 1 pm a tour to their room of works was held where they had a setup of some sample models regarding their work with some equipment's like their mainframes of NGN networks, FIBCOM Nokia equipment's, BTS, etc.

The last session of the tour the question and answer session took place at 1:15 pm where students wonderfully asked many questions and cleared all their queries about the industry platform.



STUDENT'S FEEDBACK AND CONCLUSION:

Educational Industrial visit to BSNL, V.U.Nagar, Anand, Gujarat.

Both the site staff as well as guiding staff was very supportive to all the students.

We know that this visit will help us in our future practical and corporate life and brought a positive change in our thinking and practical behaviour regarding education and specially Engineering.

We, the Students of BVM Electronics and Communication Engineering are extremely thankful to

- **Honorable Principal of BVM:** Dr. IN Patel
- **HOD (EC Dept) :** Dr.Bhargav Goradiya
- **Staff Coordinators :** Prof. Kaushal
Patel Dr. Darshan
Dalwadi
- Prof.Arjun Bambhaniya
- **IEEE Coordinator :** Dr. Darshan Dalwadi
- **EC Engineering Department**

We hope that this type of knowledge and experience enhancing industrial visits are organized in the future again and we are thankful for it.

