

K. K. Wagh Institute of Engineering Education & Research, Nashik

Department: Electronics & Telecommunication

Industrial Visit Report

A.Y: 2018-19

Name of the industry visited	Bharat Sanchar Nigam Limited (BSNL)
Address of industry visited	BSNL Circle Telecom Training Centre (CTTC), Satpur, Nasik 422 007
Date of industrial visit	11.01.2019
Target participants	Students of BE (E&TC)
Number of participants	57 + 2 Staff members
Name of the course for which industrial visit is organized	Mobile Communication
Name of the visit coordinator	Mr. P. J. Mondhe Ms. S. V. Shelke
Name of the visit instructor	Ms. Sunita Pagar
Outcome of the industrial visit	Students have understood the working of cellular switching system.

About Visited Industry:

BSNL is well known telecom company with wide range of experience in operation and maintenance of latest telecom equipments. BSNL Mobile is a major provider of GSM cellular mobile services under the brand name Cellone. BSNL provides a complete telecom services solution to enterprise customers including MPLS, P2P and Internet leased lines. It provides fixedline services and landline using CDMA technology and its own extensive optical fiber network. BSNL provides Internet access services through dial-up connections as prepaid, NetOne as Postpaid and DataOne as BSNL Broadband.

BSNL Mobile (formerly CellOne) is an Indian mobile network operator, operated by the public enterprise BSNL. It provides both pre-paid and post-paid mobile services as well as many value added services. BSNL Mobile has a pan-India presence with presence in all the 22 telecom circles in India. BSNL Mobile provides all of India with roaming access, including Delhi and Mumbai, and International roaming access to more than 300 networks across the world. BSNL owns spectrum in 850 MHz, 900 MHz, 1800 MHz, 2100 MHz and 2500 MHz bands across the country. The company's CellOne network (GSM/GPRS) was launched in late 2002 and has coverage in major cities and towns and more places are being covered. BSNL Mobile offers both GSM as well as CDMA prepaid and postpaid services. CellOne was renamed BSNL Mobile in 2007. It was the first company which made incoming roaming charges free across the country. BSNL has total 113.34 million subscribers as on 31 July 2018.

During this visit, the evolution of cellular technology from 1G to 5G standard was explained. Later different sections of telephone exchange were shown including base station, BTS, BSC and MSC section.

Photos of Industrial Visit:

