

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

**Department: Electronics & Telecommunication**

**Industrial Visit Report**

**A.Y: 2019-20**

<b>Name of the industry visited</b>	Bharat Sanchar Nigam Limited (BSNL)
<b>Address of industry visited</b>	BSNL Nashik Office, N D Patel Road, General Post Office (GPO) Compound, Near Kalidas Kala Mandir, Nashik.
<b>Date of industrial visit</b>	22.02.2020
<b>Target participants</b>	Students of BE (E&TC)
<b>Number of participants</b>	50 Students + 1 Faculty
<b>Name of the course for which industrial visit is organized</b>	Mobile Communication
<b>Name of the visit coordinator</b>	Mr. P. J. Mondhe
<b>Name of the visit instructor</b>	Ms. V. Gaikwad
<b>Outcome of the industrial visit</b>	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.

**Photo of Industrial Visit:**

