



Late Shri. Vishnu Waman Thakur Charitable Trust's

## VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra, Affiliated to University of Mumbai  
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### Department of Electronics and Telecommunication Engineering

<b>Topic Name:</b>	<b>Mobile networks</b>
<b>Name of the Guest Speaker:</b>	<b>Nitin D Bavaskar</b>
<b>Designation:</b>	<b>Sub Divisional Engineer</b>
<b>Organization/Institution:</b>	<b>BSNL</b>
<b>Date:</b>	<b>18/09/2020</b>
<b>Time:</b>	<b>10.00 am Onwards</b>
<b>Number of Students:</b>	<b>51</b>

**Programme Summary/Details:** The Electronics and telecommunication engineering department of Viva Institute of Technology organized an online guest lecture on 18th September 2020, focusing on how the mobile network works on mobile communication. The lecture was conducted by Mr. Nitin D Bavaskar. The session began with an overview of how the cellular network are made up of "cells," which are areas of land that are typically hexagonal, have at least one transceiver cell tower within their area, and use various radio frequencies. The guest speaker highlighted the relevance on the fact that Many network subscribers use mobile networks' frequencies at the same time. Cell tower sites and mobile devices manipulate the frequencies so that they can use low-power transmitters to supply their services with the least possible interference. Mr. Bavaskar delivered a comprehensive presentation, emphasizing the evolution of cellular networks, its significance, and its demand in the market. He provided insights into how students can pursue a career in growing industry, discussing the necessary steps and requirements. Total 51 students were present for this session.

