



Report on Industrial Visit To **RELIANCE JIO (2018-2019)**



An Industrial Visit was carried out at Reliance JIO on 28th March, 2019 for the SEM VIII Electronics and Telecommunication Engineering Students. Prof. Adesh Hardas & Prof. Jay Mehta along with 30 students visited Reliance JIO situated at Ghansoli in Navi Mumbai.

The main objective of this visit was that, as a part of the Electronics and Telecommunication Engineering, the students need to be aware of how various activities related to Telecom industries are carried out and to have a practical knowledge of fundamentals, implementation, functionality, and mechanism of LTE and upcoming 5G technology.

We visited the LDC building and Tc-30 building. We arrived at there at noon and proceeded to the LDC building with Mr. Tanmay Shukla. Therein the visit was divided into two sections. Mr. Vinay Sharma was the in charge of the 1st section. First, we were given a brief knowledge about the history and current structure of Telecom industry followed by various technology and modulation schemes which are currently used and then he discussed the upcoming technology of 5G and Optical fibres.

In the 2nd section Mr. Tanmay Shukla took us to the Jio Centre. The place inside the company was structured using Jio devices and Jio technology with the help of optical fibre. Digital appliances such as TV, AC, Car etc. were integrated with Jio and smart appliances

were created. They also explained the technicalities, development and future of their new technologies. Then we went to visit the E-node B that was present on the Jio campus itself. There were 3 antennas present on E-node B. Below the E-Node B we saw AG-1 i.e. Aggregating router. AG-1 is where all the data from various E-node B are collected together.

The visit concluded with an interactive session for the students, where they got an opportunity to interact with the concerned authorities and gain more knowledge. It was a great learning experience for one and all.