

Department of Electronics & Communication

Report on Industrial Visit to

ISTRAC

(ISRO TELEMETRY TRACKING AND COMMAND NETWORK)

January 31st, 2018



The department of Electronics and Communication Engineering, BENTU has organized an Industrial Visit to ISTRAC (ISRO Telemetry Tracking and Command Network), Ludhiana, on 31st January, 2018 for second and third year students.

For students pursuing professional education, knowledge gained within the confines of four walls of a classroom does not suffice for holistic development. To bridge this gap between theoretical knowledge and practical application, our department organized this visit to one of the most prestigious organizations of our country under the mentorship of respected Dr. V.K.Singh, Director (Engg) and Prof. Sanjay Kumar Sharma.

The students were guided by Shri B.C.Tripathi and Dr. G.K. Malviya of ISTRAC. Initially, they were taken to a conference room where they were elaborately told about the role of ISTRAC and the various projects undertaken by ISRO.

ISTRAC is basically involved in tracking, commanding, housekeeping data acquisition as well as health analysis and control, orbit and altitude determination and network co-ordination support to all low Earth orbit satellite missions of ISRO throughout their mission life.

The students were educated about various stages involved in launching of the satellites into space such as design and development of satellite, launching of satellites into various orbits and monitoring the health of satellite after launch. They were also informed about satellite based Navigation services that ISRO has established to meet Civil Aviation requirements through GPS.