

Report

On

Industrial Visit to Institute of satellite Telecom Pvt.Ltd

Subject: Industrial Visit to Institute of Satellite Telecom Pvt. Ltd. at Pune

Two Faculty Members Prof. Sanjay Khobragade and Ms. Swati Pawar and 39 final year B. Tech students went for the visit.

It was a one day training which emphasized on brief knowledge on all topics of the satellite communication with 4 hour theory seminar and 3 hour practical training.

The industrial visit was held on **5th October 2018**. We reach there by 10:30 am and initially there was a presentation, which was given by Mr. Krish K. Mehkarkar, Managing Director, on the domestic and global opportunities in in the field of satellite communications for the ECE students & various other aspects of the satellite telecommunication industry in India & abroad.

About ISTC

ISTC is an institution in the field of satellite communications, is founded and established in 2000 by Mr. Krish K. Mehkarkar. Under his direction, ISTC has a versatile and experienced team of technical specialists providing system integration expertise in the development and implementation of satellite earth station and terrestrial head ends.

ISTC has its own state of the art facility for the production of its SATCOM products. With respect to our number of hours put under Research & development and also our experience and technical expertise in SATCOM inspires us to design, implement and produce a quality product for our client. All our products come with a 2 year comprehensive warranty. Our mission is to provide the best quality solution to our customer at an reasonable price, great quality and an extra ordinary after sales service

Thereafter at 1p.m. students were taken to the ISTC Industrial area to visit and introduction about the earth station equipments, V-sat antenna, its operation and its applications. Also they explained about various SATCOMM applications such as DTH, V-SAT, base-band processing, modulator/demodulator, up/down converters, low noise amplifiers, HPA and practical, test measurement information.

At the industrial visit we studied about the following points:

- Related theory concept for validation & testing techniques in Satellite Communications.
- Related theory concepts for uplink and downlink, and other earth station equipments
- Manual & automatic testing methods for antenna mounts, reflector antennas and its principles, antenna drive and control, feed systems, antenna sizing.etc
- Brief introduction to 200 Watt HPA, Up-converter, Down-converter, 6.1 m Receive Antenna, 9.1 m Earth Station Antenna, Spectrum Analyzer, Power Met, X-Y Recorder, Strip Chart Recorder, 1.0 m KU-Band VSAT Antenna.
- Different major components used in the making of antennas.
- Some related videos of satellite launching stations were shown to students

All the students were awarded a participation certificate. And at around 5:30 pm industrial visit was over.

At Institute of Satellite Telecom Pvt. Ltd. at Pune



