INDUSTRIAL VISIT TO ISRO Satellite Centre (ISAC), Bangalore

The Department of Telecommunication Engineering was established in the year 1992 with the aim of giving quality education in the field of Telecommunications Engineering. The Department has got Permanent Affiliation from the Visvesvaraya Technological University.

As a part of the curriculum, the students are required to undertake Industrial Visits to a few industries of repute. We feel it will be fruitful that the students with academic background have a glimpse of the industry in order to have a better appreciation of practical applications of theory.
The Department of Telecommunication Engineering, organized an Industrial Visit to ISAC, Bangalore on 26th February 2018. The students of 6th SEM, accompanied by two faculties left for ISAC at 8:30.

After reaching the ISRO centre, we were assembled in the Seminar hall where Mr.Srinivas, a scientist in ISRO briefed us about the satellites and also the achievements of ISRO.

We were first shown a video about launching and movement of Chandrayana-1 satellite. Later he explained about the 2 types of launching vehicles, PSLV (polar Satellite Launching Vehicle) and GSLV (Geo-synchronous Satellite Launching Vehicle). PSLV consist of 4 stages travelling up to 900km. This vehicle is used for launching IRS (Indian Remote Sensing Satellite) which has its applications in the field of agriculture, soil testing, disaster identification etc. And GSLV mark-3 consists of 3 stages. It is used to launch communication satellites (36000kms from earth surface).APPLE, launched in 1981 was the first Indian communication satellite.

We next went to the ‘Clean Room’, a place where the satellites components are assembled and tested under low temperature and humidity conditions. The cleaning takes place in 3 stages.

After visiting the clean room we were escorted to the exhibition room, where the models of all the satellites and their components were exhibited.

Overall it was a very educative event and also provided exposure to the satellite technology.