Industrial Visit at U R Rao Satellite Centre, ISRO, Bengaluru on 11/05/2023

Batch: S6 EEE (2020-24 Batch)

S6EEE (2020-24 Batch) Industrial Visit started from SJCET on 10th May 2023 (Wednesday). A group of 34 students (23boys and 11 girls) accompanied by two faculty members, Dr. Tomson Thomas, Asst. Professor and Ms. Shanooga Chandran, Asst. Professor from EEE department were in the team. The objective of the industrial visit aims to help the students to develop as competent professionals with a sense of responsibility and social sensitivity. It impart professional education using active and real time learning techniques to transform the students to become competent and committed engineers, meeting the demands of present as well as future system. It helps to explore the culture heritage and to relish the togetherness of the class.

S6 Electrical and Electronics Engineering, 2020-24 batch along with two faculty members reached U R Rao Satellite Centre, ISRO, Bengaluru (URSC) for the industrial visit at 10.00am on 11/05/2023. The Indian Space Programme as enunciated by its founding father Dr. Vikram Sarabhai is application driven. "Benefit to common man and society is the fundamental tenet around which the Indian Space Programme revolves today". We are a group

of 34 students and 2 faculty members. From 10 am to 12.15 pm we had a session headed by H. L. Srinivasa, Scientist, ISRO Satellite centre. It includes many sessions like interrogation, exhibitions of satellite models etc. He also discussed about the history of satellites, cryogenic rocket engines, features of different Satellites and its evolutions, types of vehicles, determination of batteries and also about the electrical systems. Moreover he discussed about the job opportunities and so on.

During the 70's and the 80's U R Rao Satellite Centre (URSC), the lead centre of ISRO was engaged in mastering the basic technologies and skills required for the specialized task of satellite building. Since the early 90's a host of contemporary and advanced communication, meteorological, remote sensing, navigation and space science were built and launched. The communication, meteorological, remote sensing and navigation satellites launched by URSC have continued to serve the key sectors of the Indian economy like communication, agriculture, water resources, urban planning, Land use, Fisheries, Oceanography, Weather forecasting, Disaster management, Search and Rescue and Navigation. The Space science missions like Chandrayaan-1, Mars Orbiter Mission and Astrosat have received World Wide acclaim and put India in the global map while at the same time inspiring the Gen next. More than 100 state-of-the-art satellites built over four decades by URSC, the abode of Indian satellites, stand testimony to the technical excellence the centre has scaled. With about 2500 highly trained and skilled manpower, URSC today is home to a host of advanced, cutting edge satellite technologies that feeds into the Indian Space Programme. Students visited the satellite manufacturing facilities and laboratories having ultra-modern design, development, fabrication and testing for satellites and the session was very informative and insightful.