

Report on

Industrial Visit to ISRO – U R Rao Satellite Centre, Bengaluru

Date: 5-03-2024

Place: ISRO – U R Rao Satellite Centre, Bengaluru

The School of Allied Health Sciences organized an Industrial visit to ISRO – U R Rao Satellite Centre, Bengaluru to provide an insightful experience for the students and 35 students attended. The U R Rao Satellite Centre (URSC), ISRO, as the name suggests carries out the satellite technology aspect of ISRO, Bengaluru. It is the hub for all satellites launched, related to communications, meteorological, remote sensing, navigation etc. The students were given a presentation on Chandrayann-3 and its creation, testing aspects, parts, and launch. We learned that it consists of Lander module, Propulsion module, and a Rover.

Following the presentation, the students were guided to one of the clean labs within the facility. The laboratory has controlled environment, maintained at 25 degrees Celsius, showcased the precision and sophistication involved in satellite construction. Witnessing the construction of three satellites firsthand provided a glimpse into the intricate processes involved in space technology. Subsequently, the students visited to the exhibition hall where they encountered various satellite models. Of particular interest was Astrosat, India's pioneering astronomy mission. Astrosat represents a significant achievement in Indian space research, as it is the country's first dedicated astronomy mission aimed at studying celestial sources across multiple energy bands (X-ray, optical and UV) at the same time simultaneously. The students learned about the unique capabilities of Astrosat, which enables observations in Ultraviolet, limited optical, and X-ray spectral bands (ranging from 0.3 to 100 keV). This capability allows for simultaneous multi-wavelength observations of diverse astronomical objects using a single satellite platform, opening new avenues for astronomical research.

Overall, the industrial visit provided the students with valuable insights into satellite technology, space exploration, and the significant contributions of ISRO to India's space endeavours. The experience was not only educational but also inspiring, igniting a deeper interest in space science among the students of Allied Health Sciences.



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Lat 12.961576, Long 77.654277

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Note : Captured by GPS Map Camera