

Report on Industrial Visit to Exhibition Hall, URSC.

A one-day industrial visit to Exhibition Hall, URSC, Bangalore, was organized by Suranya K., Assistant Professor and Industrial Visit Coordinator at the Department of Electronics and Communication Engineering, on October 10, 2024, for the 3rd semester students. A BMTC bus was used for transportation. We started at 8.30 a.m. from the college and reached the STPI venue at 9.30 a.m. A total of 50 students from the 3rd semester of the ECE Department visited the organization, accompanied by faculty members Prof. Suranya K. and Dr. Manu Raju.

Introduction:

The Exhibition Hall at URSC (U R Rao Satellite Centre) in Bangalore serves as a leading venue for showcasing India's progress in space technology and satellite systems. Founded by the Indian Space Research Organisation (ISRO), this center is crucial for developing satellite systems used in various fields, such as communication, remote sensing, and navigation. Visitors can engage with interactive displays, models, and demonstrations that celebrate significant milestones in space research and development. The exhibition allows exploration of the history and evolution of Indian space missions, providing insights into current projects and the technological innovations propelling the country's space endeavors. Aimed at educating and inspiring, the hall acts as a link between the scientific community and the public, fostering interest and awareness in space science and technology. Whether you are a student, a researcher, or simply curious about space, the URSC Exhibition Hall offers an intriguing look into India's exploration of the cosmos.

Objectives of the Visit:

1. To gain insights into the facilities and capabilities of the URSC Exhibition Hall and its role in India's space research and satellite development.
2. To understand the various technologies and models displayed, along with their applications in space missions and satellite systems.
3. To leverage the knowledge and resources from URSC for future projects in space technology.

Upon arriving at the URSC office, all students and faculty members underwent a thorough security check, adhering to the established protocols. Visitors were required to present valid identification and follow strict guidelines during the entry process. Once inside the Exhibition Hall, it was emphasized that attendees should respect the exhibits and follow the designated pathways. Photography and videography were prohibited, and all visitors were asked to maintain a quiet environment to facilitate an immersive experience for everyone. These security measures are in place to ensure the safety of all guests and the integrity of the exhibits, reflecting URSC's commitment to providing a secure and informative environment.

We were delighted to be welcomed by Mr. P V N Murthy, a Senior Scientist and Engineer at the ISRO Satellite Centre (URSC) in Bengaluru. He acknowledged the efforts of the faculty members in organizing this visit to the URSC Exhibition Hall, emphasizing the significance of such educational experiences in enhancing our understanding of space technology and exploration. Mr. Murthy also noted the challenges in securing opportunities for visits like this, underscoring the value of our experience. Mr. Murthy shared valuable insights about different types of satellites and their significance in fields such as communication, remote sensing, and navigation, highlighting their impact on India's advancements in space exploration. In addition to his technical contributions, he is committed to mentoring emerging scientists and engineers, fostering a collaborative culture within the organization.

During the session, he presented an inspiring video on Chandrayaan-3 that highlighted the incredible efforts, dedication, and expertise of ISRO's scientists. The video left a lasting impression, giving everyone who watched it goosebumps, followed by a doubt-clearing session that addressed our queries. Afterward, he guided us through the exhibition hall, where we explored various models and information displays, further enriching our understanding of India's space endeavors. I submitted the feedback for the visit, filled with excitement and admiration.

The visit came to an end at 11:30 am, and we left the premises and returned to the college at 1:00 pm. Students felt that the visit was informative and interesting. We, the faculty and industrial coordinators, express our sincere thanks to the management, principal, vice principal, dean academic, and HOD for permitting students to attend this informative visit.

Outcome of the Event:

The visit to the exhibition hall at URSC, Bangalore, was incredibly insightful, showcasing advanced technologies and innovations in the space sector. Participants were introduced to a range of space mission models, satellites, and other equipment, offering a comprehensive view of the facilities used in satellite development and research. The exhibit provided a deeper understanding of the processes behind space missions, from design to launch. The participants found the experience enriching and are eager to explore further opportunities for learning and collaboration in the space industry.



Exhibition Hall, URSC



Exhibition Hall, URSC



Group photo of all members at Exhibition Hall, URSC



Group photo of all members at Exhibition Hall, URSC

Thanks & Regards,

Prof. Suranya K

Dr. Manu Raju.