



**NEW HORIZON**  
**COLLEGE OF ENGINEERING**

Autonomous College Permanently affiliated with VTU, approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, accredited by NBA

## Department of Electrical and Electronics Engineering

Organizes

### Industrial Visit

To

**ISRO – U R Rao Satellite Center  
(URSC), Bengaluru**



29<sup>th</sup> and 30<sup>th</sup> May, 2024



IV-A and IV-B EEE

12:00 PM to 03:00 PM



ISRO-URSC, HAL Airport Road,  
Vimanapura PO, Bengaluru  
Karnataka-560017

### Faculty Coordinators

**Dr. B Gunapriya**

Associate Professor, EEE

**Ms. A S Anitha Nair**

Assistant Professor, EEE

### Convener

**Dr. Sakthivel A**

HoD - EEE



**NEW HORIZON**  
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New Horizon Knowledge Park, Ring Road, Marathalli  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### **Report on Industrial visit to URSC, ISRO**

The Industrial visit to the Indian Space Research Organisation (ISRO) was an enlightening experience for students of IV semester A section. The visit took place on 29-05-2024 and 30-05-2024 and it provided the students with valuable insights into the operations, research, and development activities of one of the world's leading space agencies.

#### **Key Objectives:**

The objectives of the visit were:

1. To understand the practical applications of the theoretical knowledge gained in our coursework.
2. To gain insights into the functioning of a premier space research organization.
3. To learn about the various projects and missions undertaken by ISRO.
4. To inspire and motivate students to pursue careers in space science and technology.

#### **Schedule of the Visit:**

##### 1. **\*\*Arrival and Welcome\*\*:**

- We arrived at the ISRO campus at 1:30 PM.
- A warm welcome was extended by the ISRO staff, followed by a brief introduction to the day's schedule.

##### 2. **\*\*Presentation on ISRO's Achievements\*\*:**

- The visit began with a detailed presentation on Chandrayan 3 construction and operation on Moon.
- Highlights included the Mars Orbiter Mission (Mangalyaan), Chandrayaan missions, and the upcoming satellites

##### 3. **\*\*Tour of Facilities\*\*:**

## - **\*\*Satellite Assembly and Testing Center\*\***

The assembly and testing processes of various satellites were shown.

### 4. **\*\*Interaction with Senior Scientist\*\***:

The students had an opportunity to interact with the senior scientist working with background in Electronics and Communication having 34 years of experience at ISRO.

- A Q&A session made the students to ask questions and clarify their doubts.

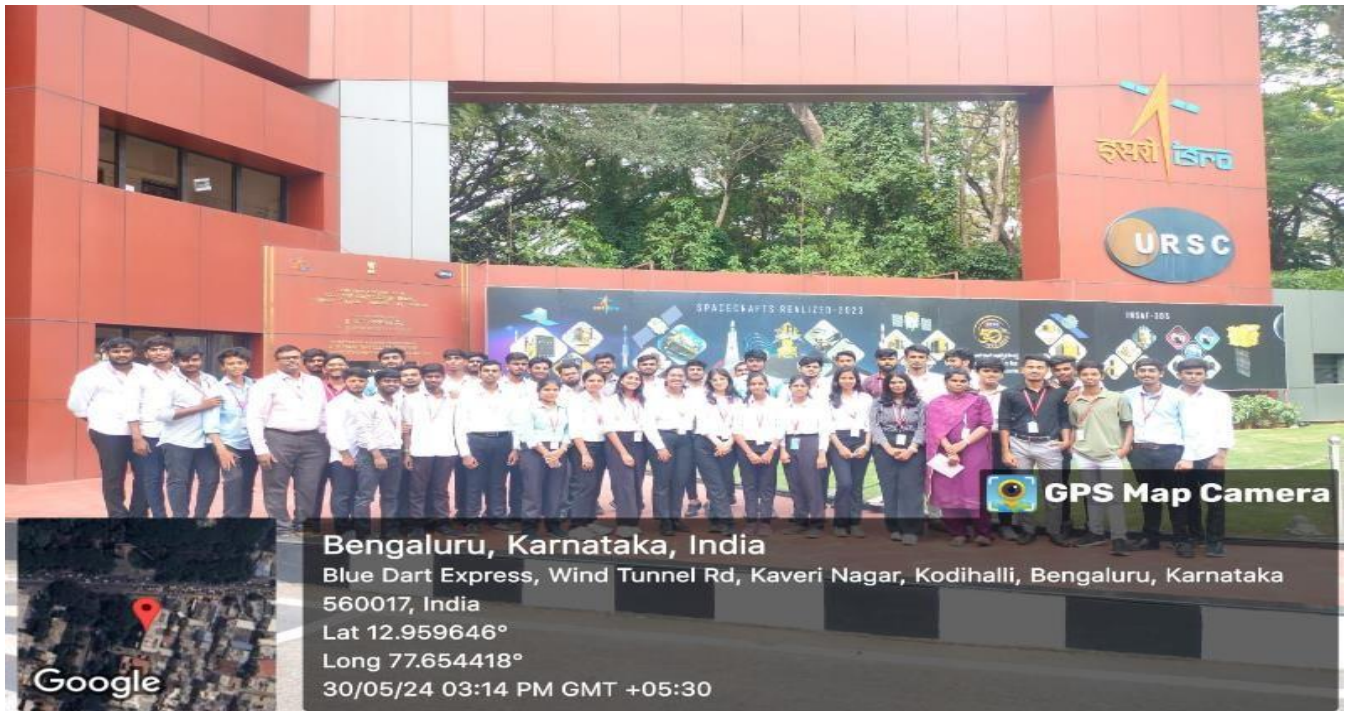
### 5. **\*\*Visit to the Museum\*\***:

- The ISRO museum showcased models of satellites, launch vehicles, and a detailed history of space exploration.
- Informative displays on India's journey in space technology, from the first satellite Aryabhata to the latest missions.

### 6. **\*\*Closing Session\*\***:

- The visit concluded with a feedback session where we shared our experiences and insights gained from the visit.
- A group photo was taken as a memento of our visit.





### **Key Learnings**

#### 1. **\*\*Innovation and Technology\*\***:

- The advanced technology and innovative methods used in satellite design and launch.
- The importance of precision and accuracy in space missions.

#### 2. **\*\*Teamwork and Collaboration\*\***:

- The collaborative efforts required across various departments for the success of space missions.
- The role of international cooperation in space research.

#### 3. **\*\*Practical Application\*\***:

- Real-world application of theoretical knowledge in physics, engineering, and computer science.
- Exposure to cutting-edge research and development.

#### 4. **\*\*Career Inspiration\*\***:

- The visit was highly motivational and inspired the students to consider careers in space research and technology.
- Understanding the opportunities available for young engineers and scientists in ISRO.

**Conclusion:**

The Industrial visit to ISRO was an incredibly enriching experience that broadened our understanding of space science and technology. It provided a firsthand look at the operations of a leading space research organization and highlighted the importance of innovation, teamwork, and dedication in achieving scientific milestones. This visit has undoubtedly ignited a passion for space exploration and motivated to excel in our respective fields.

We extend our heartfelt gratitude to the ISRO team for their hospitality and for providing us with this invaluable learning experience.