

A
REPORT
ON
"Industrial Visit: Indian Space Research Organisation (ISRO)"
Bengaluru, Karnataka
by
Faculty of engineering & Technology, Department of Computer
Science & Engineering
Sharnbasva University, Kalaburagi



Day 1: "Industrial Visit: Indian Space Research Organisation (ISRO)"

Bengaluru, Karnataka

Date: 20-JUNE-2025 (Friday)

"Student Interaction Session at ISRO: Inspiring the Next Generation of Space Scientists"

As part of our educational industrial visit to the Indian Space Research Organisation (ISRO), we had the unique opportunity to engage in an interactive session with scientists and engineers. The session aimed to bridge the gap between academic learning and real-world space research, offering students valuable insights into India's space missions, satellite technology, and career opportunities in the space sector.

➤ **Introduction**

On 20-june-2025, a group of students from Department of Computer Science & Engineering (FOET) Sharnbasva University, Kalaburagi, had the exceptional opportunity to visit the Indian Space Research Organisation (ISRO) as part of an educational industrial trip. The highlight of the visit was an engaging student interaction session with experienced scientists and engineers from ISRO. This session not only provided deep insights into India's space missions but also fostered curiosity, critical thinking, and inspiration among aspiring young minds.

➤ **Objective of the Visit**

The primary objectives of the visit were:

- To understand the practical aspects of space technology and satellite development.
- To interact with space scientists and gain insight into current research and future missions.
- To inspire students toward careers in space science, engineering, and research.

➤ **Overview of the Interaction Session**

The interactive session began with a presentation by senior ISRO scientists, who discussed:

- The history and milestones of ISRO, from Aryabhata to Chandrayaan, Mangalyaan, and Gaganyaan.
- The process of satellite development and launch vehicle design.
- India's contributions to remote sensing, weather forecasting, and space exploration.

Students were encouraged to ask questions throughout the session, making it highly interactive and intellectually enriching.



Image 1: Image captured during the ISRO visit

➤ Key Highlights

- **Hands-on Understanding:** Students were introduced to real satellite models and mock-ups of launch vehicles.
- **Q&A Session:** Students asked questions related to rocket propulsion, astronaut training, and future plans like interplanetary missions.
- **Career Guidance:** ISRO scientists shared the academic paths and skillsets required to join organizations like ISRO, DRDO, and other space agencies.
- **Motivational Insights:** The speakers emphasized the importance of dedication, innovation, and teamwork in achieving scientific goals.

➤ Student Reflections

Many students expressed how the session reshaped their views on space science and research. It bridged the gap between classroom knowledge and real-world applications, and sparked a new enthusiasm for STEM careers.

➤ Conclusion

The student interaction session at ISRO was a transformative experience. It not only deepened technical understanding but also instilled a sense of national pride and aspiration to contribute to India's space journey. Visits like these serve as powerful motivators for the next generation of scientists, engineers, and innovators.

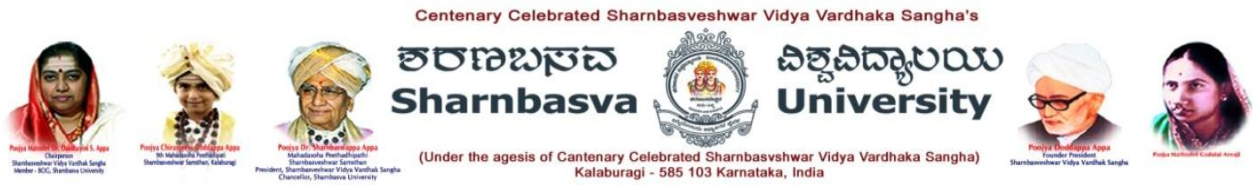


Image 2: photograph taken at ISRO premises during the industrial visit.



Image 3: “The students partook in a delicious tiffin at Udupi Ruchi Hotel, Rajajinagar, Bengaluru.”

Day 2 Report: Heading Towards: Srirangapatna & Chamundi Betta Exploring Historical Sites

Date: 21-JUNE-2025 (Saturday)

Destination: Srirangapatna & Chamundi Betta (Chamundi Hill) Karnataka

Chamundi Betta (Chamundi Hill):

the group proceeded to Chamundi Betta, located just outside Mysore. The hill is famous for the Chamundeshwari Temple dedicated to Goddess Chamundi, the city's guardian deity.

- Key Points:
 - Climbing the steps up the hill offered panoramic views of Mysore city.
 - The temple featured intricate carvings and a spiritual ambiance.
 - The giant monolithic statue of Nandi, the sacred bull, was a major attraction near the temple base.

Srirangapatna:

In the afternoon, the group travelled to Srirangapatna, a historically significant town that served as the capital of Tipu Sultan, the legendary ruler of Mysore.

- Main Attractions:
 - Ranganatha Swamy Temple: A beautiful ancient temple dedicated to Lord Vishnu.
 - Tipu Sultan's Summer Palace (Daria Daulat Bagh): Known for its teakwood construction and stunning frescoes.
 - Gumbaz: The mausoleum housing the tombs of Tipu Sultan, his father Hyder Ali, and mother.
 - Historical Sites: Various forts and battlegrounds around the town that played important roles in the Anglo-Mysore Wars.



Image 4: Chamundi Betta (Chamundi Hill)



Image 4: During their visit to Mysore, the students were provided with a well-organized lunch break at a local restaurant.

Day 3 Report: Heading Towards Mysore Palace

Date: 22-JUNE-2025 (Sunday)



Image 5: students were served lunch during their visit to Mysore as part of the scheduled itinerary.

➤ **Overview:**

On the Third day, the group embarked on a journey to explore some of the most historically significant sites near Mysore. The itinerary included a visit to the majestic Mysore Palace.

Mysore Palace:

The day started with a visit to Mysore Palace, an architectural marvel and former royal residence of the Wodeyar dynasty. The palace is known for its grand Indo-Saracenic design with exquisite woodwork, stained glass, and ornamental ceilings.

- **Highlights:**
 - Ornate Durbar Halls showcasing royal artifacts and portraits.
 - The beautifully maintained gardens surrounding the palace.
 - The impressive illumination of the palace if visited during evening hours.

Conclusion:

Days 2 & 3 provided an enriching experience that seamlessly combined royal grandeur, spiritual significance, and historical depth. The visit to Mysore Palace highlighted the architectural brilliance and opulence of the Wodeyar dynasty. Chamundi Betta offered a spiritually uplifting environment along with panoramic views of the city, while the excursion to Srirangapatna delivered valuable historical insights into the life and legacy of Tipu Sultan and the region's rich past. Overall, the visit proved to be highly educational and culturally immersive for the students of the Department of Computer Science & Engineering, Faculty of Engineering & Technology, Sharnbasva University, Kalaburagi.



Image 6: Chartered buses were utilized for transportation during the industrial visit. The vehicles were arranged through a recognized travel service provider and met all required safety and compliance standards.