



## Report of Industrial Visit to ISRO Trivandrum & Technopark, Kerala

The First-Year Engineering Degree Department of Yashwantrao Bhonsale Institute of Technology, Sawantwadi, organized an industrial visit to ISRO Trivandrum and Technopark, Kerala from 18th to 24th February 2025. The visit was planned and led by Prof. Swapneel D. Rawool, HOD, First-Year Engineering, and coordinated by Prof. Prajakta R. Rane, along with faculty members Prof. Boney P. Sharaon and Prof. Shrunkhala S. Naik. A total of 92 students participated in this visit, making it a valuable learning experience.

### Objectives:

1. To provide students with exposure to India's advancements in space technology at ISRO Trivandrum (VSSC, Thumba).
2. To introduce students to career opportunities in the IT sector through an industry visit to Technopark, Trivandrum.
3. To help students understand engineering applications through interactive exhibits at the Kerala State Science and Technology Museum.
4. To enrich students with cultural and historical experiences through visits to Padmanabhaswamy Temple, Jatayu Earth Center, and Vivekananda Rock Memorial.

### Overview

- **Date:** 18th to 24th February 2025
- **Participants:** 92 First-Year Engineering Students & Faculty Members
- **Faculty Coordinators:**
  - Prof. Prajakta Rane (Industrial Visit Coordinator)
  - Prof. S.D. Rawool (HOD, First-Year Engineering)
  - Prof. B.P. Sharaon & Prof. S.S. Naik (Faculty Assistants)
- **Industry Visits:**
  1. ISRO Trivandrum – Vikram Sarabhai Space Centre (VSSC), Thumba
  2. Technopark, Trivandrum
  3. Kerala State Science and Technology Museum & Priyadarshini Planetarium
- **Cultural & Historical Visits:**
  - Padmanabhaswamy Temple, Thiruvananthapuram
  - Jatayu Earth Center
  - Vivekananda Rock Memorial, Kanyakumari
  - Padmanabhapuram Palace.

The industrial visit commenced on 19<sup>th</sup> February 2025 with the students' arrival at **Thiruvananthapuram at 2 PM**. The first stop was **Padmanabhaswamy Temple**, a revered Hindu shrine known for its Dravidian-style architecture and historical significance. Students,





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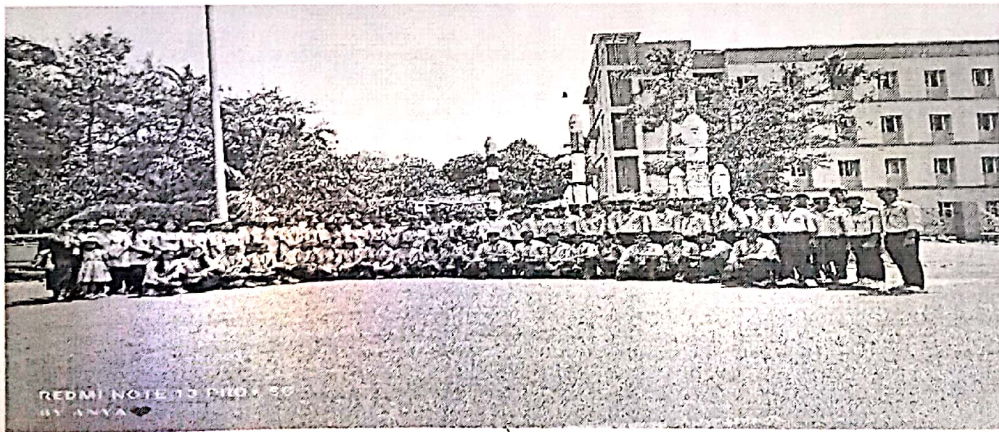
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dressed in traditional attire, experienced the spiritual and artistic grandeur of the temple while learning about its cultural and religious importance.



On 20th February 2025, students visited ISRO's Vikram Sarabhai Space Centre (VSSC), Thumba, where they were introduced to India's space missions, satellite technology, and the development of rocket systems. Witnessing the very site where India's first rocket was launched provided an enriching experience in aerospace advancements and research methodologies.



In the evening, the students explored the Kerala State Science and Technology Museum & Priyadarshini Planetarium, which featured interactive exhibits on mechanics, biomedical engineering, and solar energy. The highlight of the visit was the computer gallery, where students learned about the evolution of computing, from early mechanical devices to modern supercomputers, broadening their understanding of technological progress.





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On 21st February 2025, the visit continued at Technopark, Trivandrum, India's largest and greenest IT hub. Students engaged with professionals from TCS, Infosys, UST Global, and Oracle, gaining insights into the corporate work environment, software development, and emerging technologies in IT. This exposure enhanced their awareness of career prospects in the tech industry.



Later that day, students traveled to Jatayu Earth Center, home to the world's largest bird sculpture, symbolizing the legendary eagle Jatayu from the Ramayana. The location provided a mix of history, adventure, and scenic beauty, with students enjoying ropeway rides, panoramic hilltop views, and team-based adventure sports.

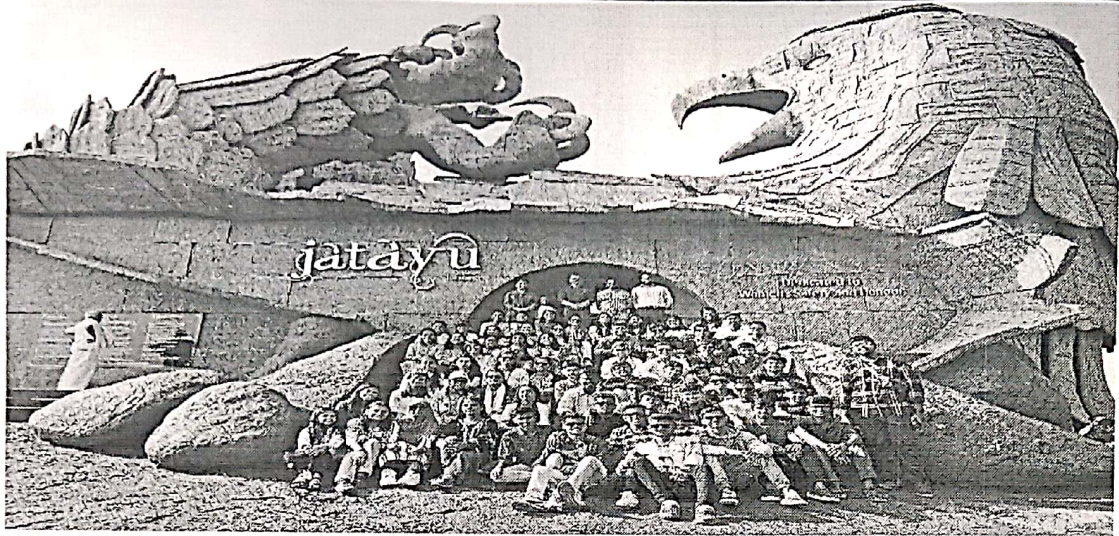




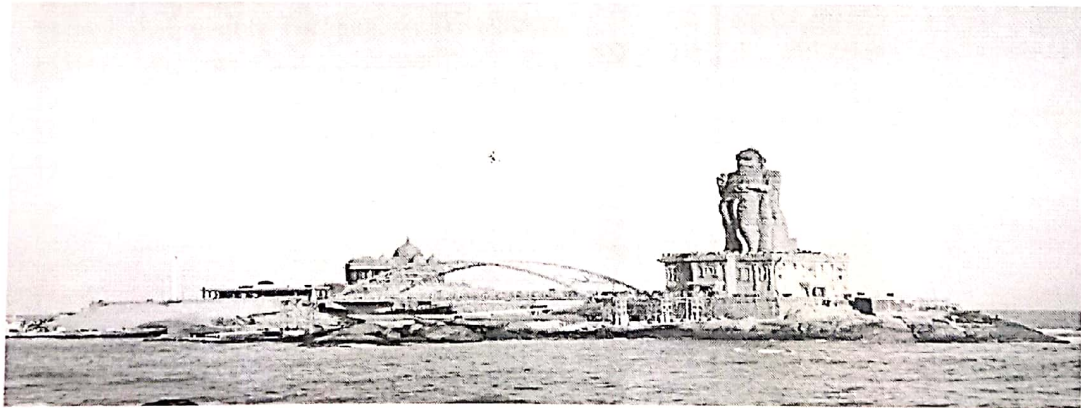
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On 22nd February 2025, the journey continued to **Kanyakumari**, where students visited the **Vivekananda Rock Memorial**, a place of immense spiritual significance. They observed the convergence of the **Arabian Sea, Bay of Bengal, and Indian Ocean**, making it a memorable learning experience in both geography and history. The visit to the **Thiruvalluvar Statue**, dedicated to the famous Tamil poet and philosopher, further enriched their cultural knowledge.



On the way back, the group explored **Padmanabhapuram Palace**, an architectural marvel and former royal residence of the Travancore dynasty. The intricate wooden carvings, antique collections, and historical artifacts provided insights into ancient engineering techniques and royal lifestyles.





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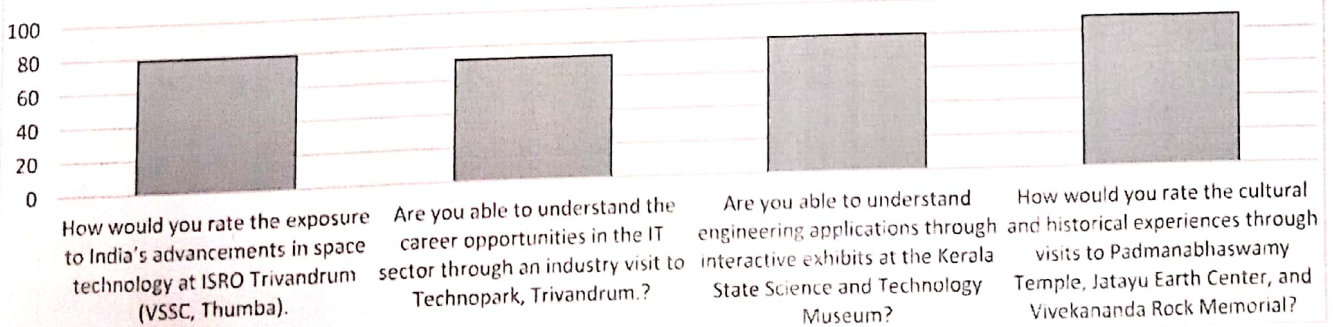


On 23rd February 2025, the students spent their final day at **Lulu Mall, Trivandrum**, one of India's largest shopping malls. This visit allowed them to experience a modern commercial infrastructure while relaxing and socializing before their return journey. The group departed from **Thiruvananthapuram** at midnight, reaching **Madgaon** on 24th February at 6 PM, and finally arriving at **Sawantwadi Road station** at 9 PM.

**Outcomes:**

1. Students gained firsthand knowledge of India's space missions and technological advancements through their visit to ISRO Trivandrum (VSSC, Thumba).
2. Students acquired insights into the functioning of IT companies and emerging technologies through their visit to Technopark, Trivandrum.
3. students deepened their understanding of engineering principles and scientific concepts at the Kerala State Science and Technology Museum.
4. Students gained knowledge of India's rich cultural heritage through visits to Padmanabhaswamy Temple, Jatayu Earth Center, and Vivekananda Rock Memorial.

**Industrial visit Feedback**





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**Conclusion:**

The industrial visit to ISRO Trivandrum and Technopark, Kerala, provided a valuable learning experience for the students of Yashwantrao Bhoneale Institute of Technology. It successfully met its objectives by offering exposure to India's advancements in space technology, career opportunities in the IT sector, and practical applications of engineering concepts. Additionally, the cultural and historical visits enriched students' knowledge beyond academics, fostering a holistic learning approach.

Through interactions with professionals and hands-on experiences, students gained insights into real-world technological developments, strengthening their academic foundation and inspiring future career aspirations. The visit was not only educational but also engaging, creating lasting memories and reinforcing the importance of industry-academia interactions in shaping future engineers.

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