

A. Y. Dadabhai Technical Institute, Kosamba

Report

ON

VISIT AT

**VIKRAM SARABHAI
SPACE EXHIBITION
CENTER (VSSE)
AHMEDABA**

12th September 2024

Organized by

Computer Department



A. Y. Dadabhai Technical Institute, Kosamba
Mahuvej Road, At & Po. Kosamba (R.S),
Dist: Surat

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VISIT AT VIKRAM SARABHAI SPACE EXHIBITION CENTER (VSSE) AHMEDABAD

A.Y. Dadabhai Technical Institute, Kosamba focuses on the overall growth of the students. Computer Department arranges many activities during the semester to improve the Students performance in every category like Elocution Competition, Quiz Competition and also Fun activities. Students must be familiar with the practical terms which are covered in their curriculum. So the Visit can make them understand how the theories work actually in the real world.

Total 67 students of 5th semester and 5 staff members went for visit. We reached at Vikram sarabhai space Exhibition center (VSSE) at 10:00 AM. The purpose of this visit was to provide students with an insightful experience into India's space exploration efforts, particularly those led by the Indian Space Research Organisation (ISRO). The visit also aimed to inspire students, especially those pursuing engineering and technical courses, by showcasing the innovations and technologies that contribute to the nation's progress in space science.

Objectives of the Visit

The key objectives of the industrial visit were:

- To expose students to the achievements and technological advancements in the field of space exploration.
- To enhance understanding of the working of ISRO and its role in shaping India's space program.
- To familiarize students with space science, satellite technology, and related industries.
- To give practical insights into industrial applications of space technology and its real-world implications.

Here is a summary of the key takeaways from the visit:

• Space Science and Technology Displays:

The exhibition featured several displays that depicted the history and evolution of space exploration in India. Students were introduced to the development of satellites, launch vehicles, and ground control systems used by ISRO. Exhibits also included models of satellites and rocket launchers that have been part of major missions.

• Interactive Learning:

Several interactive displays allowed students to explore the intricacies of satellite communications, space research, and technological advancements. Students had the opportunity to understand how satellites are used for purposes such as weather forecasting, communication, and Earth observation.

- **ISRO's Milestones:**

The exhibit focused on key milestones of ISRO, such as the Chandrayaan missions, Mangalyaan (Mars Orbiter Mission), and the successful launching of PSLV-C37. The role of space programs in national development and security was also emphasized.

- **Documentaries and Presentations:**

Engaging documentaries were shown that outlined the history of Indian space missions, including the early work of Dr. Vikram Sarabhai and ISRO's first satellite, Aryabhata. These presentations gave students an in-depth understanding of the challenges and successes of India's space journey.

- **Q&A Session with Experts:**

A session with space scientists and engineers gave the students the chance to ask questions about ISRO's current projects and future plans. This interactive session provided valuable insights into the educational paths, skills, and knowledge required to contribute to the field of space technology.

Overall, the industrial visit to the *Vikram Sarabhai Space Exhibition* was a highly successful and enlightening experience for both the students and staff. It provided the students with a deep understanding of India's advancements in space technology and the contributions of Dr. Vikram Sarabhai in shaping India's space program. This visit has sparked curiosity and motivation among students to explore the vast field of space research and technology.



