



**Gyanmanjari Institute of Technology
Bhavnagar**

Department of Information Technology

Visit Report

18/07/2025

At

**Vikram Sarabhai Space Exhibition Center (VSSEC),
Ahmedabad**



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Content

(1) Acknowledgement	2
(2) Information	3
(3) Purpose of Visit	4
(4) Experience of Students	9
(5) Conclusion	10

ACKNOWLEDGEMENT

We are deeply indebted to the principal **Dr. H. M. Nimbark Sir**, without whose guidance and corporation tour would not been possible.

Our sincere gratitude to **Head of Department Prof. Dhaval R. Chandarana Sir** for giving us permission to go for such an Industrial visit.

We also express our sincere gratitude to **Prof. Suraj D. Gohil and Prof. Trupti H. Darkar** who has taken a lot of efforts for getting success at each and every step and coming along with us.

We will like to thank **Prof. Sunil H. Chavda** and our college for being supportive all the time and giving such a good opportunity to see and interact with the corporate world in college life itself.



INFORMATION

The **Vikram Sarabhai Space Exhibition Center (VSSEC)**, located in Ahmedabad, Gujarat, is a key initiative by ISRO to honor **Dr. Vikram Sarabhai**, the father of India's space program. The center aims to educate and inspire the public, especially students, about India's achievements in space science and technology.

The exhibition showcases interactive displays, working models, 3D satellite replicas, and audio-visual presentations on ISRO's missions like **Chandrayaan**, **Mangalyaan**, and launch vehicles. Visitors can explore themes such as satellite communication, remote sensing, and future space exploration. A 3D theater and science dome add to the experience.

Open to all age groups, VSSEC offers an engaging learning environment and regularly organizes workshops, quizzes, and outreach programs to promote scientific awareness.



PURPOSE OF VISIT

✓ **Industrial visits are important for the following reasons:**

1. To gain a practical knowledge of the actual working of the organization.
2. To get the practical knowledge of the project development process.
3. To adopt criteria about the management.
4. To study co-ordination between different departments.
5. How to control various circumstances.

In order to achieve the above-mentioned objectives, we had organized an industrial visit at Vikram Sarabhai Space Exhibition Center (VSSEC), Ahmedabad for B.Tech 3rd Semester I.T. Students, Class Z.

➤ **Significance of the Industrial Tour**

The basic objective of having industrial tour is for studying various aspects related with different industrial units.

The different techniques and methods being used in industries are studied in order to gain wide outlook concerning industrial activities for that purpose.

On **18th July 2025 (Friday)** at **10:30 A.M.**, we reached the **Vikram Sarabhai Space Exhibition Center (VSSEC)** located at the ISRO campus in Ahmedabad. Our visit was guided by our faculty members, and all the **Information Technology students** maintained proper discipline throughout the trip. The center was housed in a well-secured, modern facility dedicated to showcasing India's space achievements. Our faculty members lead us. All the students of IT branch were in discipline. It was a huge building with tight security. The director of ISRO gave permission to visit the exhibition.



After a brief **photo session**, we proceeded to the exhibition hall. On the **first floor**, we were welcomed with an **introduction about the life and contributions of Dr. Vikram Sarabhai**, the visionary behind India's space program. Shortly after, we had an interactive session with two **former ISRO scientists**, who shared valuable insights about satellite technology and real-world space applications. Communicated

with earth. The other scientist gave us information on geostationary satellites and navigational satellites. Geostationary satellites are used for communication and are situated at 35,900 km above the surface of the earth.

➤ **Function: Medium Lift Launch System**



The above model of the **GSLV Mk III (Geosynchronous Satellite Launch Vehicle)** is displayed at the **Vikram Sarabhai Space Exhibition Center (VSSEC), Ahmedabad**. GSLV is an expendable launch system developed and operated by the **Indian Space Research Organization (ISRO)**. At the exhibition, visitors can view a detailed 3.5-meter replica of GSLV Mk III and explore its internal structure through interactive touchscreens. Informative panels explain key missions and milestones, including the first successful flight of **GSLV Mk I (GSLV-D1)** on **18 April 2001**, marking a major step in India's launch vehicle development.



- Then, we were divided into two groups — **I.T. and Computer Engineering**. The **I.T.** section visited the **3D theatre**, where we watched a **15–20 minute video** about India's space missions and space station collaborations. After that, we explored various sections displaying **ISRO's satellite models** like **INSAT, GSAT, and Carto sat**. A key attraction was the **life-size**

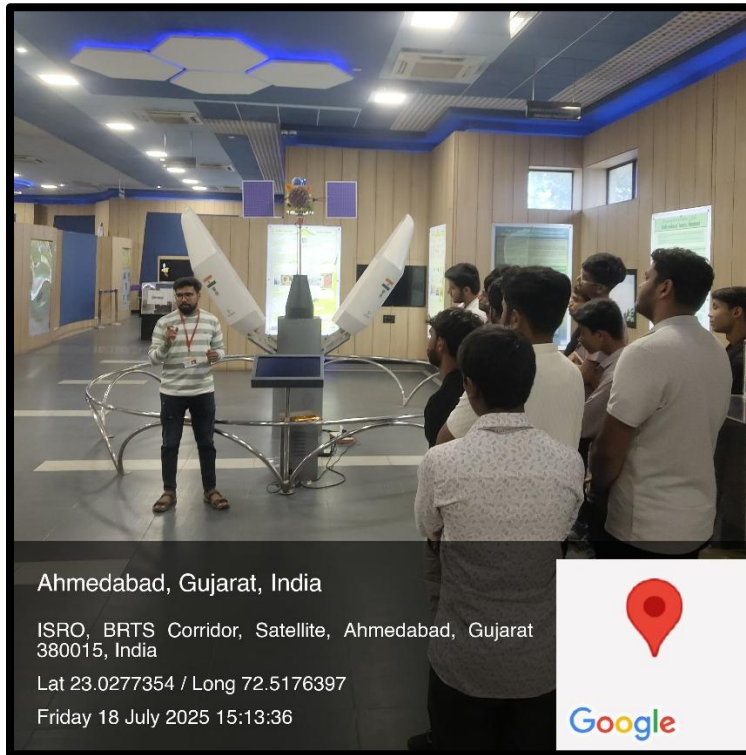
satellite model, where a guide explained the major parts such as **solar panels**, **antennas**, and **propulsion units**, helping us understand how satellites work in real space missions.

➤ **Session of Experts (Scientist):**

It was memorable moment to attend an important lecture of scientist. It was an interesting. That what is navigation. What is communication of Satellite? What is channelization? How it is work. How broadcasting is done with satellite.

There was a live quiz where many attempted and scored nice marks. There were also models of our known Astronauts where all were proud to click photos with them.





We reached science city at 2:00 p.m. where we all had our lunch at places of our choices, and gathered at entrance at 3:30 p.m. By the time all the students gathered and entered it was around 4 P.m. Then we all went to the garden of science city where all of them enjoyed playing chain game. Then it was time for our departure, we departed for back to Bhavnagar at around 7:00 p.m. and reached halt at around 9:15 p.m. where all had dinner at the places of their choices and again continued our journey at around 9:50 p.m. We finally reached our destination at 12:30 a.m.

Personal Experience of Students

The industrial tour was the interface between the college life and the corporate world. We all enjoyed this Industrial visit with ample of things learning, gaining knowledge, having different experiences and having a great journey. This visit would not have happened without our coordinator Rudra Senani, Mandeep Gohil, Sheikh Tanishq, Jagad Tanisha and the most important without we would not have enjoyed and gone Prof. Suraj D. Gohil and Prof. Trupti H. Darkar

Conclusion

The experience of this tour was really fantastic and unforgettable. It was a reverberating experience which cherished all of us.

Students got valuable information about different aspects of the space application center. We got to learn a lot many more things from this tour.

THANK YOU