

**REPORT**  
**On**  
**INDUSTRIAL VISIT**  
**Vikram Sara Bhai Space Centre**  
**Trivandrum**  
**on**

**08.04.2025 for B.Tech / IT 2<sup>nd</sup> Year (4<sup>th</sup> Semester)**  
**And 3<sup>rd</sup> Year (6<sup>th</sup> Semester)**

organised by

**DEPARTMENT OF INFORMATION TECHNOLOGY**

School of Computer, Information and Mathematical Sciences



B.S. Abdur Rahman <sup>TM</sup>  
**Crescent**  
Institute of Science & Technology  
Deemed to be University u/s 3 of the UGC Act, 1956

**April 2025**

**Date of Visit:** 8th April 2025

**Venue:** Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram

**Batch Details:**

**B.Tech Students:**

- IT (2022-26) / VI Sem: 52 Students
- IT (2023-27) / IV Sem: 40 Students

**M.Tech Students:**

- IT (2023-25) / IV Sem: 2 Students

**Accompanying Faculties:**

- Dr. Gnanasekaran, AP (Sel. Gr.) / IT
- Dr. Nallarasu, AP / IT
- Ms. R. Pavithra, AP / IT
- Ms. R. Ramya, AP / IT

**About Vikram Sarabhai Space Centre (VSSC)**

Vikram Sarabhai Space Centre (VSSC) is one of the premier space research centers in India, and a key facility of the Indian Space Research Organisation (ISRO). Located in Thiruvananthapuram, Kerala, VSSC is known for its pioneering contributions to the development of space exploration technologies, particularly in satellite development and launch vehicle technology. It is instrumental in designing, developing, and testing satellite systems, launch vehicles, and associated technologies.

**Objectives of the Visit**

1. To gain insights into space research and satellite technology, including the development and deployment of launch vehicles.
2. To explore advanced scientific infrastructure, such as clean rooms, testing facilities, and space research labs.
3. To interact with scientists and engineers at VSSC, discussing career opportunities in aerospace and space science.
4. To understand the various stages of India's space missions, satellite development processes, and payload testing.
5. To inspire students to consider careers in space technology, research, and development.

## **Highlights of the Visit**

### **1. Insight into Space Research and Satellite Technology**

The students were provided with a detailed overview of India's space missions under ISRO. They learned about the intricate processes involved in the design, development, and deployment of satellites and launch vehicles. The visit allowed them to understand the role of VSSC in making India a key player in the global space community.

### **2. Exposure to Advanced Scientific Infrastructure**

One of the major highlights was the opportunity to tour the state-of-the-art laboratories, clean rooms, and testing facilities at VSSC. These facilities are used for the development and testing of space payloads and launch vehicles. Students witnessed the high standards of cleanliness and precision required in satellite and space mission development.

### **3. Interaction with Scientists and Engineers**

Engaging sessions with VSSC professionals provided students with valuable insights into the practical aspects of working in space research. The scientists discussed the complexities of satellite communication, propulsion systems, and rocket science. They also shared their experiences working on various space missions, including the Chandrayaan and Mars Orbiter Mission (Mangalyaan).

### **4. Motivation for Scientific and Technological Careers**

The visit was not just an educational trip but a motivational experience for many students. The interaction with industry experts and the exposure to cutting-edge research has sparked a renewed interest in STEM careers, especially in aerospace engineering and space science. Many students expressed their intention to pursue further studies or research opportunities in these fields.

## **Outcomes of the Visit**

### **1. Expanded Knowledge of Space Technology**

The students gained a deeper understanding of the various components involved in space research, from satellite technology to launch vehicle development. They were introduced to the technical and scientific challenges faced in space exploration.

### **2. Career Clarity and Research Pathways**

Through direct interaction with scientists, the students were able to learn more about career opportunities in the aerospace and space research fields. Several students were motivated

to explore internship and research opportunities at ISRO or similar space organizations.

#### **4. Understanding of India's Role in Global Space Missions**

The students learned about India's significant contributions to space exploration, including the successful launch of satellites and interplanetary missions. The visit reinforced their pride in India's accomplishments in the space sector.

#### **Conclusion and Future Prospects**

The industrial visit to VSSC was an eye-opening experience for all the students, offering a deep dive into space technology, satellite development, and the broader realm of aerospace research. The exposure to cutting-edge technology and the opportunity to interact with esteemed scientists have inspired many students to consider careers in space technology and research.

The visit has also laid the foundation for potential future collaborations, internships, and research engagements between the students and VSSC. The insights gained from the experience will contribute to their academic growth and open new pathways for careers in STEM fields.

**Visited Student Details:**

**2<sup>RD</sup> year Final List :**

S.No	RRN	Name of the Students
1.	230081601002	ABDUL MUNAF ABDUL LATHIP
2.	230081601004	ABDUL SAMAD A
3.	230081601005	AFIA JAHAN K
4.	230081601006	AFRUDEE A
5.	230081601007	AFSAL ALI A
6.	230081601008	AHAMATH MUSTHAFA M
7.	230081601012	ARSHATH AHAMED
8.	230081601013	ASHFAAKDEEN
9.	230081601015	EJYAS AHAMED M. E
10.	230081601018	HAJIRA MUNAVARA K
11.	230081601020	HILAL AHMED H
12.	230081601021	ISHAC AFRIDEEN M
13.	230081601030	MANOJ KUMAR M
14.	230081601031	MOHAMED AASHIK M A
15.	230081601032	MOHAMED AFRITH B
16.	230081601033	MOHAMED ASHIK
17.	230081601037	MOHAMED FIRNAS E P N
18.	230081601039	MOHAMED HAFEEZ A
19.	230081601040	MOHAMED JAFRAN S
20.	230081601042	MOHAMED JASIM M
21.	230081601044	MOHAMED NAFIL A
22.	230081601045	MOHAMED SAFIQ S
23.	230081601047	MOHAMED SAMEER J
24.	230081601051	MOHAMED YOUSUF M M
25.	230081601053	MOHAMMAD IRSATH MAJITH A
26.	230081601054	MOHAMMED FAHEEL M
27.	230081601055	MOHAMMED MUZZAMMIL S
28.	230081601056	MOHAMMED SHAFAN MANAZ M
29.	230081601057	MUHAMMAD RAZEEN M
30.	230081601059	NADHA SAAFIYA R
31.	230081601060	RAFEQHA M
32.	230081601061	RIYAZ AHAMED S
33.	230081601062	ROHITH G
34.	230081601064	TANLAM KRISHANTH
35.	230081601066	VISHAL WILLBRITE A
36.	230081601068	YUVRAJ
37.	220081601027	LOGESH.A
38.	230081602003	R.MICHAEL RUVA

### 3<sup>RD</sup> Year Final List :

S.No	RRN	Name of the Students
1	220081601002	ABDUR RAOOF AR
2	220081601003	ABIRAMA VARSHINI V
3	220081601004	ABIRAMI M
4	220081601006	AHAMED ABDEEN S A C
5	220081601007	ANISH KUMAR N
6	220081601009	ASHWINI S
7	220081601011	AVANTHIKA ARAVIND
8	220081601013	EMAMDEEN S
9	220081601015	GAUTHAM RISHAB S
10	220081601016	GOWTHAM S
11	220081601018	HARINI G
12	220081601019	HARISH HASAN M
13	220081601020	HISHAAM AHAMED M
14	220081601021	HISHAMUDIN HUSSAIN S
15	220081601022	ISMAIL THOUFEEQ
16	220081601025	JERLIN SIBIYAL A
17	220081601026	KHALID SULTAN K
18	220081601030	MOHAMED AKRAM S
19	220081601032	MOHAMED FAZHULULLA S
20	220081601033	MOHAMED FAZIL
21	220081601036	MOHAMED JASEEN M
22	220081601038	MOHAMED MUHSIN
23	220081601039	MOHAMED NAFIN A
24	220081601041	MOHAMED RIDHWAN R
25	220081601043	MOHAMMAD HARIS YOUSUF
26	220081601044	MOHAMMED HIZBULLAH
27	220081601045	MOHAMMED IMTHIYAS
28	220081601046	MOHAMMED OMAR RAHMAN
29	220081601047	MOHAMMED SAIFUDDEEN S
30	220081601048	MUHAMMAD HAMTHAN
31	220081601049	MUHAMMADH M
32	220081601050	MURSHITHA PARVEEN. M
33	220081601051	MUSHFIQ AHMAD
34	220081601052	NADEEM ISMAIL M
35	220081601053	NIYAJUDEEN N
36	220081601055	PREMNATH R
37	220081601056	REEMA SHEAIK
38	220081601057	RILAH
39	220081601060	SHAHUL HAMEED ASSAF MM
40	220081601061	SHRINIVAS JR
41	220081601062	SIDDIQUE SA
42	220081601063	SUMAIYA FAZARIA P J
43	220081601064	SWATHI A
44	220081601065	SWETHA K
45	220081602001	AHAMED NAWFAL
46	220081602002	ASHWANTH JOEL P
47	220081602003	GRIDARAN T
48	220081602005	ROSHAN ADHITHYA V P

49	220081601017	GUNALINI
50	220081601041	MOHAMED RIDHWAN
51	220081601048	HAMTHAN
52	220081601031	MOHAMED FAIZ

### **PG Final List :**

<b>S.No</b>	<b>RRN</b>	<b>Name of the Students</b>
1	231272601002	MUHAMMAD OWAIS
2	231272601004	NITHIN M

### **Accompanying Faculties:**

- ❖ Dr.Gnanasekaran AP(Sel.Gr),
- ❖ Dr.Nallarasu AP,
- ❖ Ms R.Pavithra,
- ❖ Ms R.Ramya

### **PHOTO GALLERY**



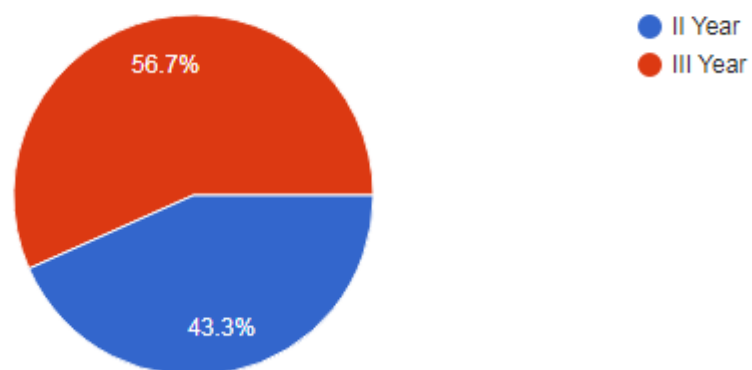




## Feedback:

### Year of Study

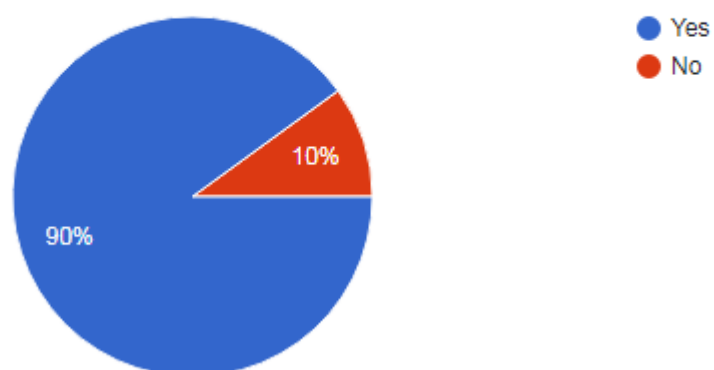
30 responses





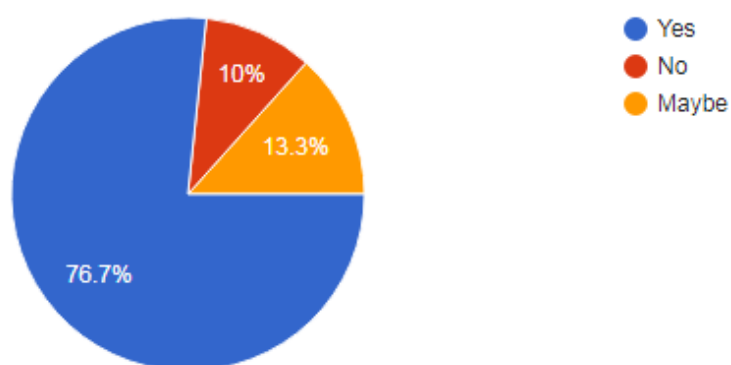
### Did the visit provide clarity on its objectives and contributions to the field?

30 responses



### Did the visit meet your expectations in terms of gaining insights into VSSC High-Performance Computing Technology for satellite launch vehicle and soft landing?

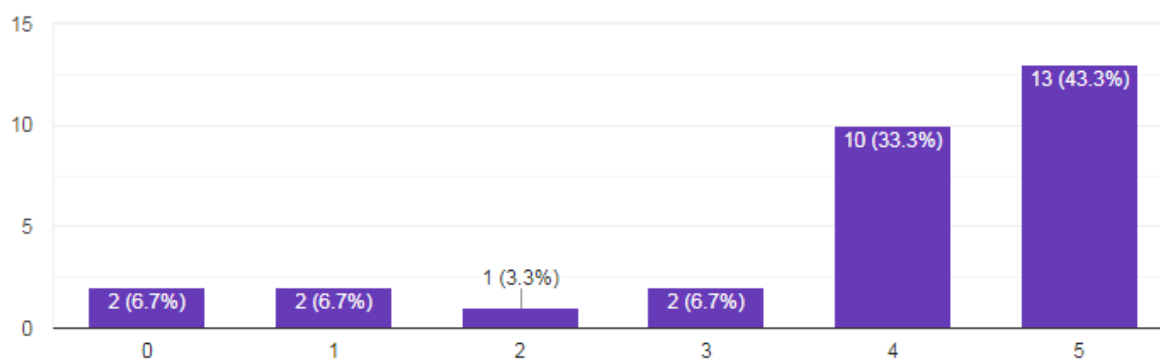
30 responses



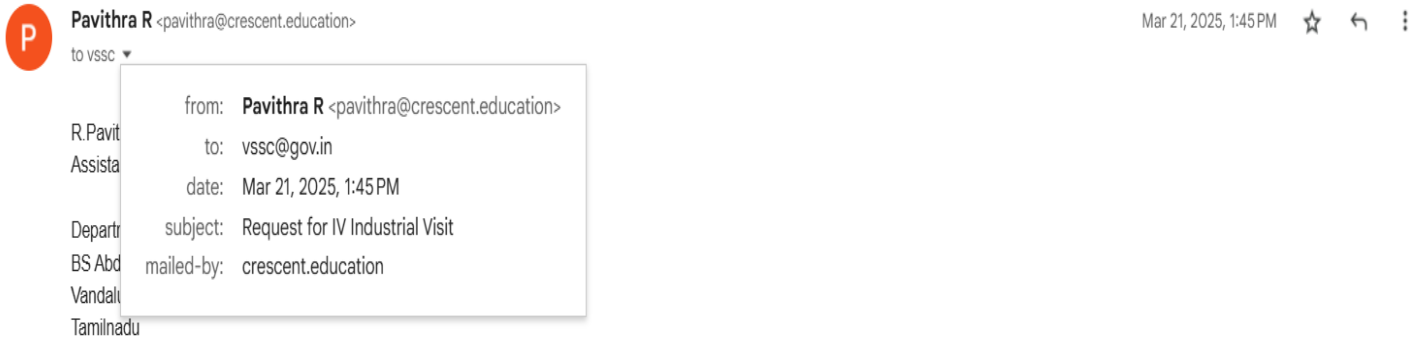
### How would you rate your overall visit

 Copy chart

30 responses



## Communication with VSSC:



To,

VSSC-space musuem  
Vikram Sarabhai Space Center  
Trivandrum - 695022  
Kerala, India

Subject: Request for Permission for Industrial Visit (IV)

Dear Sir,

I am writing to seek your kind permission to conduct an industrial visit for the students of the Department of Information Technology, BS Abdur Rahman Crescent Institute of Science and Technology, to VSSC-Space museum-Tiruvandram, on 8th of April 2025.

Dear Sir,

I am writing to seek your kind permission to conduct an industrial visit for the students of the Department of Information Technology, BS Abdur Rahman Crescent Institute of Science and Technology, to VSSC-Space museum-Tiruvandram, on 8th of April 2025.

The purpose of this visit is to offer our students practical exposure to the operations and technologies used in Computer science engineering industry. The students will benefit from the opportunity to observe real-time industry practices, interact with professionals in the field, and enhance their theoretical knowledge with hands-on learning experiences.

We would like to request permission for a group of 90 students, accompanied by 3 faculty members. Please let us know if you require any further information regarding the visit, and we are happy to provide any additional details as needed.

We would greatly appreciate your approval for this visit and look forward to your positive response.

Thank you for your consideration.

Sincerely,  
Mrs. R. Pavithra,  
Assistant Professor,

Department of Information Technology

BS Abdur Rahman Crescent Institute of Science and Technology  
Email: pavithra@crescent.education  
Phone: +918754601600

## VSSC Space Museum visit - Registration Inbox x



no-reply@vssc.gov.in

Mar 24, 2025, 5:40 PM



to pavi2k24crescent.education ▼

Dear Sir/Madam,

Most welcome to the VSSC Space museum. To have more information and to continue the registration, please follow this link .

[https://museumvisit.vssc.gov.in/MuseumVisit/register.htm?\\_flowId=ProcessRegistration-flow&id=ff8080818ba359340195c81e6b1c2eb1&key=ed406c06-18e2-4081-aeec-19248c36c27f](https://museumvisit.vssc.gov.in/MuseumVisit/register.htm?_flowId=ProcessRegistration-flow&id=ff8080818ba359340195c81e6b1c2eb1&key=ed406c06-18e2-4081-aeec-19248c36c27f)

Regards,  
Public Relations Officer, VSSC.

### Guidelines

- Public are **allowed** to visit the Vikram Sarabhai Space Centre(VSSC) space museum **from 09:30 hrs to 16:00 hrs on all days except and declared holidays** (notified on the calendar available online). The entry is allowed without any fee.
- A visit to the space museum will take more than an hour. There will be regular film shows on all days. Special shows will be arranged less than 40 visitors, on request.

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Faculty Coordinators

Dr. Gnanasekaran, AP (Sel. Gr.)

Dr. Nallarasu AP / IT

Ms. R. Ramya AP / IT

Ms. R. Pavithra, AP / IT

HOD/IT

*Ramya*  
*Pavithra* 20/4/25

