

REPORT ON NATIONAL SPACE DAY CELEBRATION 2025

On **22 August, 2025**, the students of **Class XI** had the proud privilege of hosting the *National Space Day Celebration* in honour of India's extraordinary achievements in the field of Space Science and Technology. To commemorate this special occasion, 19 students of Class XI attended an exclusive online webinar organised by **SPACE India**, a premier organisation devoted to promoting Scientific Learning and nurturing young minds in the field of Astronomy and Space Research.

The central theme for this year's celebration was **"Viksit Bharat in Orbit: Leading the New Space Race."** The theme echoed the Hon'ble Prime Minister's inspiring *Mann Ki Baat* message, urging citizens to celebrate India's remarkable progress in space exploration and innovation. It served as a reminder that India's space programme not only embodies technological advancement but also represents the dreams and aspirations of an empowered, self-reliant nation.

The **Online Panel Discussion**, held on **21st August 2025**, featured several distinguished scientists, educators, and professionals from the Indian and global space communities. Among the esteemed speakers were **Dr. Sachin Bambha**, Founder and CMD of the SPACE Group of Companies, **Dr. S. K. Varshney**, Science Facilitator and Former Adviser, Department of Science and Technology (DST), **Shri. M. U. Desai** from ISRO Ahmedabad, **Dr. Parveen Saini**, Principal Scientist at the CSIR Institute; **Mr. Pradeep Chakraborty**, Senior Engineering Associate at ARIES, and **Mr. Brajesh Pandey**, Executive Director of the Indian National Space Academy.

The session commenced with an inspiring audio-visual presentation highlighting India's space journey—from the modest beginnings at **Thumba in 1963** to the historic achievements of **Chandrayaan-3** and **Aditya-L1**. In his keynote address, **Dr. Sachin Bambha** shared insights into India's growing prominence in global space research and the increasing participation of private enterprises and startups in this dynamic sector. His talk celebrated the contributions of **Group Captain Shubhanshu Shukla**, who, in June 2025, became the **first ISRO astronaut to visit the International Space Station (ISS)** during the *Axiom-4 mission*, conducting over sixty scientific experiments.

This milestone, he explained, has paved way for India's ambitious **Gaganyaan Mission** and the development of the nation's first indigenous **Bharat Antariksh Station**. **Shri. M U Desai**, Director of the Space Applications Centre (SAC), provided an informative overview of how different branches of Science from Material and Environmental Sciences to Electronics and Data Analysis are interconnected with Space Research. He emphasized the vast applications of Space Technology in **communication, navigation, remote sensing, agriculture, and disaster management**, showing how ISRO's work directly benefits the society.

Dr. Parveen Saini and **Mr. Pradeep Chakraborty** discussed the importance of research, innovation, and collaboration in modern space studies, inspiring students to consider careers in **STEM and Aerospace Engineering**. The Moderation also highlighted India's forthcoming missions, including India's own GPS, Man on the Moon, Gaganyaan, and the visionary Bharat Antariksh Station, which together signify the dawn of a new era for Indian Space Exploration.

At the conclusion of the programme, **all participants received participation certificates** from **SPACE India**, recognising their enthusiasm and engagement in celebrating India's achievements in space science. The certificates served as a token of appreciation and a reminder of the students' active involvement in promoting scientific learning.

The National Space Day celebration was a **memorable and enlightening experience** for all participants. It rekindled pride in India's scientific accomplishments and inspired students to explore new frontiers in science and innovation. The event not only celebrated the country's achievements but also encouraged young minds to dream big, aim higher, and contribute to India's vision of becoming a **global space leader**.

The Student Participants gained rich exposure about career prospects in the field of Space Exploration, Special certificate was also awarded to the School for its collaborative approach with the community to open awareness for students to future scope of Space Exploration

“India's journey in space is commendable. Our rockets carry much more than payload — they carry the dreams of 1.4 billion Indians.” – **Narendra Modi**. From the humble rocket launches at Thumba to the historic soft landing of **Chandrayaan-3 on the Moon's South Pole** on **23rd August 2023**, India's journey has been one of determination, innovation, and national pride. The celebration concluded with a renewed commitment among students to uphold this legacy and contribute to the making of a Viksit Bharat, a self-reliant, space-faring nation of the future.

To ensure that every student of Class XI benefited from the experience, **Dinesh Ramani** of XI C took the initiative to present the key highlights of the workshop to his peers. His comprehensive presentation captured the essence of the session, fostering curiosity, discussion, and peer learning across all sections. This gesture reflected true student leadership and collaboration in learning.



Dinesh Ramani T, Student facilitator, cascades the key take aways on the ‘Online Panel Discussion’ about ‘National Space Day’ programme to the students of Class XI



A Visual treat of the important Satellites launched by ISRO



An interaction with students on the Milestones in India's Space Journey



Participants of the Webinar felicitated with Certificates for their Active Participation