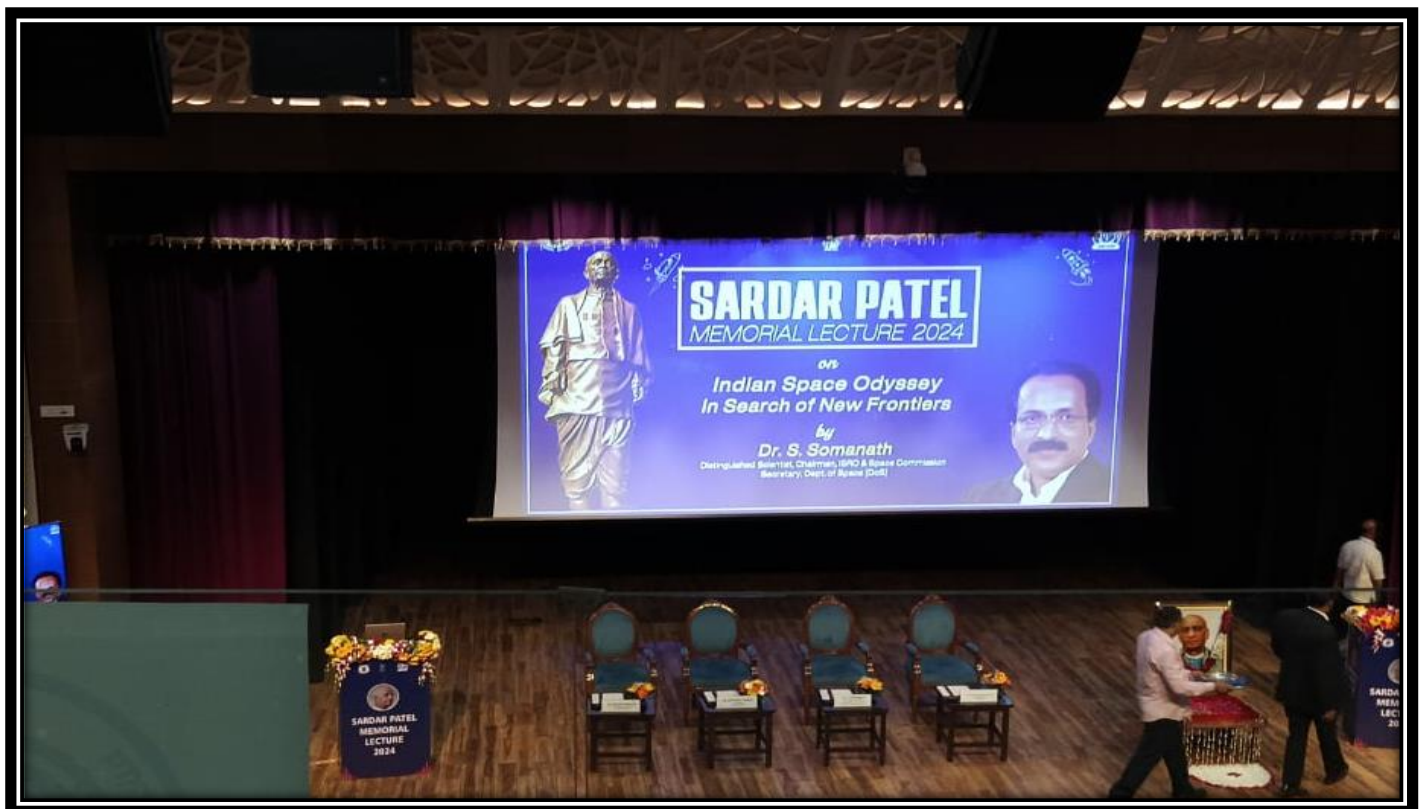




INSTITUTION'S INNOVATION COUNCIL (IIC) SHYAM LAL COLLEGE, DELHI



**"Sardar Patel Memorial Lecture" by Akashvani and
Doordarshan"
26-10-2024**

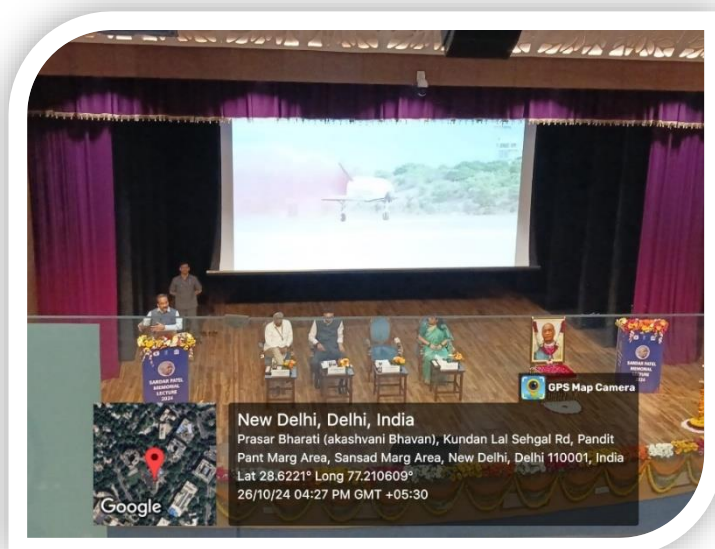


Presented by Doordarshan and Akashvani, the esteemed Sardar Patel Memorial Lecture took place on October 26, 2024, at the Rang Bhawan Auditorium, Akashvani Bhavan, Parliament Street, New Delhi. Dr. S. Somnath, the Chairman and Distinguished Scientist of the Indian Space Research Organisation (ISRO), was the keynote speaker at the event, which started at 4:00 PM.

The event began on a patriotic note with the playing of the **National Anthem**, followed by a recorded video address by the **Honorable President of India, Smt. Droupadi Murmu**. In her message, she lauded Dr. S. Somnath and ISRO for their groundbreaking achievements, including the successful **Chandrayaan-3** mission that made a historic soft landing on the Moon's south pole and ISRO's advancements in **Mars exploration**. She highlighted ISRO's contributions in making India a global leader in space technology and innovation.

HIGHLIGHTS OF THE LECTURE

Dr. S. Somnath delivered an inspiring lecture titled "**Indian Space Odyssey: In Search of New Frontiers**", where he captivated the audience with insights into ISRO's milestones, current projects, and future aspirations:



Recent Achievements;

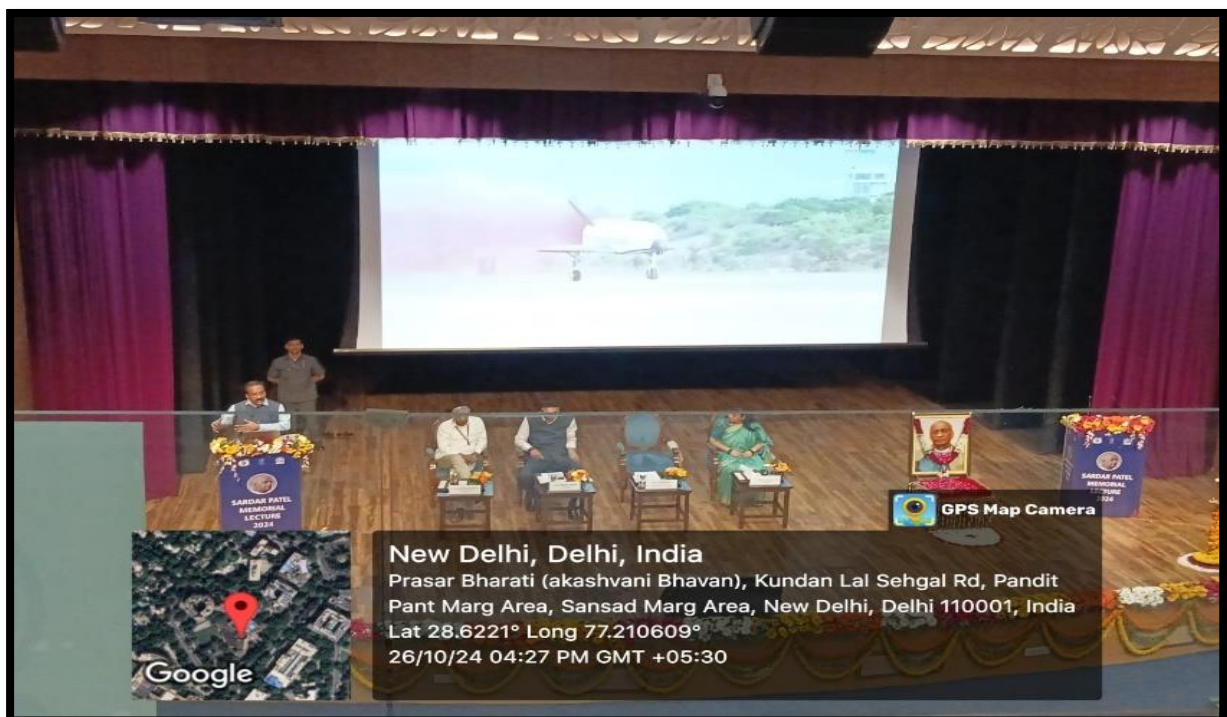
Dr. Somnath detailed the behind-the-scenes efforts and challenges faced during ISRO's recent missions.

- **Chandrayaan-3:** The successful landing on the Moon's south pole, a first for any nation, showcasing India's technological prowess and resilience.
- **Mars Exploration:** India's achievements in sending a cost-effective Mars rover, which continues to study the planet's surface and atmosphere.

Upcoming Projects;

Dr. Somnath outlined several ambitious projects that demonstrate ISRO's vision for the future:

- **Reusable Rockets:** ISRO is working on reusable rocket technology similar to SpaceX but with a unique approach. The rockets will be designed to **land on a runway** instead of the "chopstick" landing style used by SpaceX. The project is expected to be completed by 2035, marking a significant leap in cost-effective and sustainable space exploration.
- **Chandrayaan-4:** A collaborative mission with **JAXA (Japan Aerospace Exploration Agency)**, aiming for a launch in **2028**, to further explore the Moon and expand the knowledge gained from Chandrayaan-3.
- **Indian Space Station:** ISRO is planning to design, build, and launch an independent **Indian Space Station** by **2030**, a step that will place India among the elite group of nations capable of maintaining a permanent presence in space.

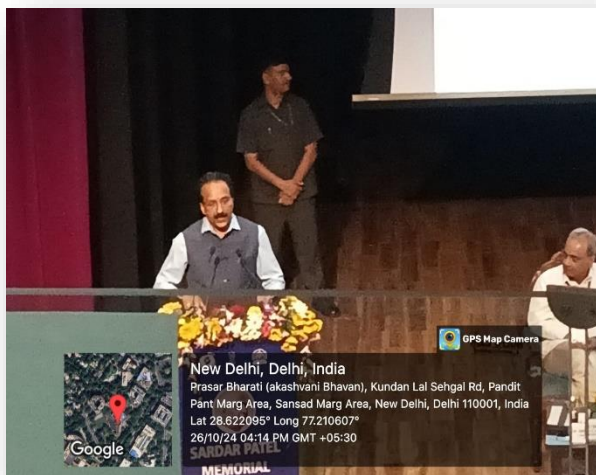


NICES Platform

Dr. Somnath introduced **NICES (National Information Climate and Environmental Studies)**, an ISRO-developed platform that offers over **5000 GB of climate and environmental data**. This resource is aimed at facilitating scientific research, environmental monitoring, and policymaking to address climate change and its impacts.

Interactive Session

The lecture was followed by an interactive session where attendees had the opportunity to engage with Dr. Somnath. Questions ranged from the technical aspects of upcoming projects to ISRO's vision for international collaborations.



Conclusion;

The **Sardar Patel Memorial Lecture** was a resounding success, offering a glimpse into India's space journey and its aspirations to push the boundaries of exploration and innovation. The insights shared by Dr. S. Somnath underscored ISRO's commitment to advancing science, fostering international cooperation, and contributing to India's growth as a spacefaring nation.

The event not only celebrated ISRO's achievements but also inspired the audience, especially young minds, to dream big and contribute to the nation's progress in science and technology.

FACULTY ATTENDANTS
1. Dr. Pranav Dass
2. Dr. Pradeep Kr. Sharma



STUDENT ATTENDANTS
1. Chaitanya
2. Raj Singh
3. Pradhumn Kumar Gupta
4. Aryan Malhotra
5. Disha Sharma
6. Rishabh Sharma
7. Gourav Nigam
8. Vivek Kumar
9. Shiwang Raj
10. Vedika Yadav
11. Sanyukta Limgwal
12. Sakshi Mishra

