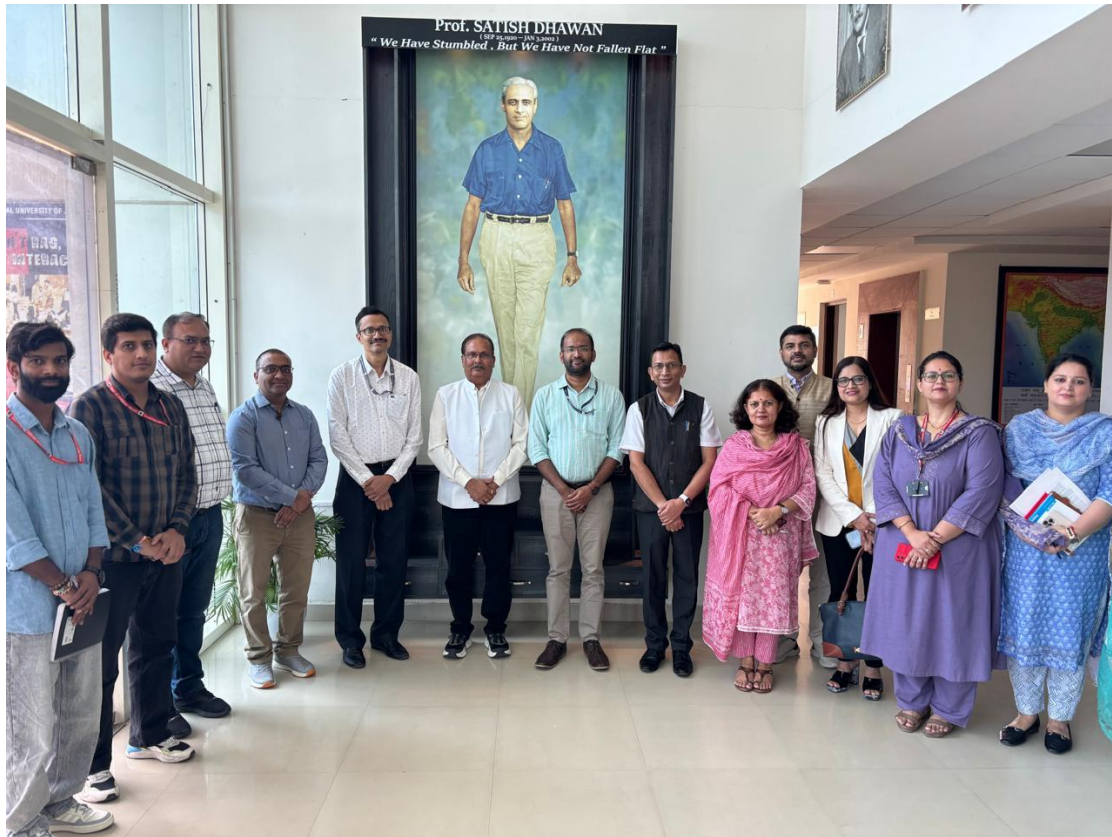




An Inspiring Interaction with ISRO Officials

Student Interaction | Space Science | Technology | Research | Innovation



SDCSS / University team during the programme

**Satish Dhawan Centre for Space Sciences (SDCSS)
Central University of Jammu**

Shri G. Harikrishnan, Director, Capacity Building & Public Outreach (CBPO), ISRO, Department of Space, Government of India
and

Shri M. Vamshidhar Reddy, Scientist/Engineer, ISRO



VISIT OVERVIEW

HOST Satish Dhawan Centre for Space Sciences, Central University of Jammu	CHAIRMAN Prof. (Dr.) Sanjeev Jain CONVENER Prof.(Dr.) Rakesh Kumar Jha
VISITING OFFICIALS Shri G. Harikrishnan Director, CBPO, ISRO and Shri M. Vamshidhar Reddy, Scientist, ISRO	STUDENT GROUP First- and second-year students of ECE
CORE THEMES Space science, research, technology, innovation	ENGAGEMENT Student interaction, project presentations and demonstrations

The Satish Dhawan Centre for Space Sciences, Central University of Jammu, hosted an inspiring and insightful interaction with officials from the Indian Space Research Organisation (ISRO) under the mentorship of Hon'ble Vice Chancellor Prof. (Dr.) Sanjeev Jain and Prof. Rakesh Kumar Jha, Convener, Satish Dhawan Centre for Space Sciences, CU Jammu. The visit provided students of the Department of Electronics and Communication Engineering (ECE) with a valuable opportunity to interact directly with professionals associated with India's space programme.

Shri G. Harikrishnan, Director, Capacity Building & Public Outreach (CBPO), ISRO, Department of Space, Government of India, along with Shri M. Vamshidhar Reddy, Scientist/Engineer, ISRO, visited SDCSS and engaged with students, faculty and research staff of the Centre. The interaction focused on space science, research, technology, innovation and emerging opportunities in India's growing space sector.



Presentation and felicitation during the visit of ISRO officials at SDCSS.



STUDENT INTERACTION & PROJECT PRESENTATIONS

The visiting ISRO officials addressed student's queries and shared insights and experiences, encouraging scientific curiosity, practical learning and innovation. The session included an engaging interaction with first- and second-year students of ECE. Students actively participated in the discussion, raised questions and sought guidance on space science, satellite technology, research opportunities, student competitions and careers in the space sector.

A major highlight of the visit was the presentation of ongoing student projects and space-technology initiatives.

01 IN-SPACE Model Rocketry and CanSat India Student Competition	IN-SPACE Model Rocketry and CanSat India Student Competition Prapti Kapoor, Preetham Reddy Bannur and Balkrishn Mandal presented their work and participation in student space-technology initiatives, including the IN-SPACE Model Rocketry and CanSat India Student Competition.
02 CanSat Ground Station Dashboard	CanSat Ground Station Dashboard Brij Nandan Dogra presented the CanSat Ground Station Dashboard, explaining its functionality and its role in monitoring and managing the ground-station side of the CanSat project.
03 V-Dipole and Quadrifilar Helical Antennas for Ground Station	V-Dipole and Quadrifilar Helical Antennas for Ground Station Megha Jha, Yedula Kishan Reddy and Athrv Pathak presented their work on the V-Dipole antenna for the ground station. They also demonstrated voice transmission and reception at 135.602 MHz using a DIY Quadrifilar Helical Antenna.

Student interaction and technical discussion in the SDCSS laboratory.

TECHNICAL HIGHLIGHTS

04

Yagi Antenna

Yagi Antenna

Sahitya Kallakuri and Aditi Singh presented the Yagi antenna developed by them, explaining its design, working principle and technical aspects and demonstrating their practical learning in antenna technology.

05

Radiosonde Technology

Radiosonde Technology

Abbey Vestin, Adrish Halder, Anurag Saroya, Sarvpriya and Khuswant presented their work related to radiosonde technology, including its working, atmospheric data collection and communication aspects. The discussion also covered the radiosonde initiative developed by Semi-Conductor Laboratory (SCL), Mohali, in collaboration with ISRO.



Students and SDCSS/University team during the technical interaction and project presentations.



Technical discussion and student presentations during the programme.

FROM CLASSROOM TO PRACTICAL SPACE TECHNOLOGY

PHOTOGRAPHIC HIGHLIGHTS



Students and faculty engaged in the technical interaction.



Technical demonstration and interaction during the presentation of student space-technology work at SDCSS.



Students, faculty and SDCSS/University team members observing the technical demonstration in the laboratory.



Technical discussions and project demonstration during the interaction with students and SDCSS/University team members.

ENCOURAGING PRACTICAL LEARNING & INNOVATION

The visit served as an important platform for connecting classroom learning with practical applications in space science and technology. The student presentations reflected the growing interest among Central University of Jammu students in satellite communication, antennas, atmospheric science, rocketry, CanSat systems and other emerging areas of the space sector.

The interaction also encouraged students to undertake hands-on projects, participate in national-level student competitions and explore academic and professional opportunities in India's expanding space ecosystem.

SDCSS expressed its gratitude to Prof. Rakesh Kumar Jha, Convener, Satish Dhawan Centre for Space Sciences, CU Jammu, Head of the Department, ECE, for his continued guidance and encouragement to students to explore space science, research and technology through practical projects and meaningful interactions with experts from the space sector.

The visit of the ISRO officials and the interaction with students marked a valuable learning experience and further strengthened the connection between academia, students and India's space research ecosystem.

SDCSS conveyed its sincere appreciation to the visiting ISRO officials for their valuable time, guidance and encouragement.

