



जम्मू केंद्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF JAMMU
Satish Dhawan Centre for Space Sciences (SDCSS)
Rahya-Suchani (Bagla), District Samba, Jammu, J&K - 181143

In Collaboration
with
NRSC - ISRO
DOS, Govt. of India

SATISH DHAWAN CENTRE FOR SPACE SCIENCES, CU JAMMU CELEBRATES VIKRAM SARABHAI JAYANTI WITH RADIOSONDE LAUNCH

An impressive grand event was organized at the Satish Dhawan Centre for Space Sciences (SDCSS), Central University of Jammu to honor and commemorate the visionary founder of India's space program, Dr. Vikram Sarabhai, on the occasion of Vikram Sarabhai Jayanti. The landmark highlight of the celebration was the successful launch of an advanced high-altitude Radiosonde balloon, conducted in active collaboration with the National Remote Sensing Centre (NRSC), Indian Space Research Organisation (ISRO), Department of Space (DOS), Government of India.

Eminent Leadership & Guidance

The entire program was successfully executed under the able guidance, vision and patronship of The Honorable Vice-Chancellor of The Central University of Jammu, Prof. (Dr.) Sanjeev Jain. Speaking on the occasion, Prof. (Dr.) Rakesh Kumar Jha, Convener, SDCSS highlighted Dr. Vikram Sarabhai's enduring legacy in shaping India's self-reliance in Space Technology and Atmospheric Research. The event was coordinated by Dr. Misbah Shafi, Assistant Professor, DoECE, CU Jammu along with the team Ms. Mehak Mahajan, Senior Technical Assistant, CIF, CU Jammu, Ashutosh, Khushwant, Anurag, Khushi, Adrish, Abbey, Harshit, Kk Krishna, Chandraneila and Sarvapriya



Remembering Dr. Vikram Sarabhai - Father of India's Space Programme



Students and Faculty Preparing the Radiosonde Payload & Balloon at SDCSS Roof-Top Facility.



Final sensor checks prior to launch.



Radiosonde payload deployment setup.

Importance of Vikram Sarabhai Jayanti & Radiosonde Technology

Celebrating Vikram Sarabhai Jayanti reinforces the spirit of scientific inquiry and technological innovation among youth. A Radiosonde is a sophisticated telemetry instrument carried into the upper atmosphere by a weather balloon. It measures

critical vertical profiles of atmospheric metrics including temperature, barometric pressure, relative humidity, and wind vector dynamics using GPS tracking. This real-time vertical profiling data is vital for numerical weather forecasting, monsoon research, climate modeling, and satellite data validation.

Active Interdisciplinary Student Participation

Students from Department of B.Tech Electronics & Communication Engineering, ECE-Avionics and Department of Environmental Sciences, CU Jammu actively participated in the setup, calibration, launch and subsequent real-time telemetry data acquisition. This hands-on activity bridged classroom theory with real-world space and atmospheric science applications.



Faculty and student gathering at launch site.



Ascending Radiosonde balloon capturing upper atmospheric parameters over CU Jammu campus.

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

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