

Day 9: News Bulletin: College on Wheels

J&K Students on day six of College on Wheels journey explored IISc, Bangalore

A Day in the Life of Students Visiting IISc bangalore:



November 27, 2023 – A contingent of 780 female students from various universities and affiliated colleges of Jammu and Kashmir (J&K) recently embarked on a two-week "College on Wheels" journey to various parts of the country. As this educational odyssey reaches one of its final destinations, the students visited the Indian

Institute of Science (IISc) in Bangalore, a prestigious research institution known for its contributions to science and technology.

The visit to IISc Bangalore, popularly known as the Tata Institute, marked a significant chapter in the students' educational journey. Established in 1909, it offers various undergraduate, postgraduate, and doctoral programs. IISc has consistently ranked among the top research universities in India, focusing on interdisciplinary research in areas like engineering, science, and management. The campus is equipped with state-of-the-art facilities, and its faculty has made significant advancements in fields such as aerospace, robotics, and biotechnology. Overall, IISc Bangalore plays a crucial role in shaping India's scientific landscape.



The students had the opportunity to interact with eminent scientists, researchers, and faculty members, gaining valuable insights into the world of science and research. The students had a visual exposure about Aerospace Lab facilities available in IISc and various ongoing projects. During the visit, the IISC Research Scholars gave the demonstration about the projects like Heterogeneous 3D printer, PAC Man, Aircraft Engines, Flight Simulators and Wind Tunnels.

The students expressed that this program was highly useful to them to understand the Research areas of IISC and as well as to gain the knowledge on current trends in aerospace engineering.

Day 10: News Bulletin: College on Wheels

J&K Students on day six of College on Wheels journey explored ISRO, Bangalore

Exploring the Depths of Space: Student Experience at the Indian Deep Space Research Center



A group of enthusiastic students embarked on an educational journey to the Indian Deep Space Research Center, affiliated with the prestigious Indian Space Research Organisation (ISRO). The visit promised a unique insight into cutting-edge space exploration, commencing with a captivating inauguration ceremony.

The students were greeted with an awe-inspiring inauguration ceremony, symbolizing the intersection of science, technology, and India's indomitable spirit in space exploration. Dignitaries from ISRO shared insights into the center's pivotal role in advancing the nation's capabilities in deep space research.

The highlight of the visit was the up-close encounter with colossal antennas that form the backbone of communication with distant celestial bodies. The 32-meter diameter antenna stood tall, evoking a sense of wonder among the students as they grasped the enormity of the technology involved.

Next, the group marveled at the 18-meter diameter antenna, witnessing firsthand the precision required for interplanetary communication. The tour concluded with a visit to the 10-meter diameter antenna, highlighting the diverse range of tools employed by ISRO for tracking and communicating with spacecraft in deep space.

During the visit, students engaged with experts who elucidated the significance of these antennas in receiving signals from deep space probes and facilitating seamless communication with satellites exploring the cosmos. The educational component aimed to inspire the next generation of scientists and engineers.

To enhance the educational experience, students had the opportunity to interact with scientists and engineers involved in ongoing deep space missions. This interactive session provided valuable insights into the challenges faced in deep space exploration and the innovative solutions devised by ISRO.



“Visiting ISRO was incredibly inspiring and educational. I felt a sense of awe witnessing the advanced technology and infrastructure used in space exploration. We visited many labs and satellites centres. Exploring satellite technology up close, understanding the intricacies of satellite design and development. It provided a more detailed perspective on the crucial role satellites play in various applications, from communication to Earth observation. Such visits can leave a lasting impact, motivating students to pursue careers in space science and technology” said Diya from University of Jammu.

Another student named Bhoomi exclaimed *“I recently had an awesome time visiting ISRO I saw satellite models, and even a control center. Scientists explained space exploration in a way that made it all feel within reach.*

Engaging with real-life space artifacts and understanding the engineering behind them was like stepping into a sci-fi world. The dedication of the ISRO team left me inspired to pursue science and exploration. A day etched in my memory forever.”

“My Visit to ISRO was mind-blowing! Seeing rockets up close, witnessing scientists at work, and even touching a real satellite piece left us awestruck. The guide simplified complex space concepts, and the space simulator was a thrilling highlight. This visit sparked dreams of future space exploration” Said Kashvi from University

of Jammu. *“Educational and exhilarating – ISRO made science come alive”* She added.

Paridhi also shared her experience starting with *“My visit to ISRO through the College on Wheels program was awe-inspiring. Witnessed cutting-edge space technology, interacted with brilliant minds and gained invaluable insights into India’s space exploration. Grateful for this enlightening experience.”*

The visit to the Indian Deep Space Research Center proved to be an enriching experience for the students, offering a glimpse into the realm of space exploration and the vital role played by ISRO in pushing the boundaries of human knowledge. The awe-inspiring antennas, coupled with interactive learning opportunities, left an indelible mark on the students, fostering a sense of curiosity and ambition for the limitless possibilities that lie beyond our world.



The visits to IISc Bangalore and ISRO Bangalore were undoubtedly highlights of the "College on Wheels" journey. The students returned home with broadened horizons, inspired to pursue their dreams in the fields of science, technology, and space exploration. The program has undoubtedly left an indelible mark on the lives of these young women, setting the stage for their future success.