



## Bal Bharati Public School, Navi Mumbai

National Space Day 23<sup>rd</sup> August 2024

### Report on Guest Lecture and Workshop Celebrating National Space Day

**Date:** August 21, 2024

**Venue:** School Auditorium, Bal Bharati Public School

**Audience:** Classes 8 and 9

In honor of National Space Day, Bal Bharati Public School hosted a distinguished guest lecture and workshop on August 21, 2024, in the school auditorium. The event was designed to inspire and educate students of classes 8 and 9 about space science and exploration. The session featured esteemed speakers Dr. Sagar Godambe and Dr. Nijil Mankuzhiyil, both Scientific Officers (E) at the Astrophysical Sciences Division of the Bhabha Atomic Research Centre (BARC). The focus was on celebrating the success of Chandrayaan-3, India's latest lunar mission.

The event began with a warm welcome from the school principal Ms. Kalpana Dwivedi, followed by an introduction of the guest speakers. The lecture and workshop were structured to provide a comprehensive view of the Chandrayaan-3 mission, highlighting its achievements and technological innovations.

Dr. Sagar Godambe delivered a captivating presentation on Chandrayaan-3, detailing its mission objectives and accomplishments. He outlined the mission's primary goals, including the exploration of the lunar surface and the advancement of landing technology. Dr. Godambe explained the significance of Chandrayaan-3's successful soft landing on the moon, emphasizing how this achievement builds on the legacy of previous missions and enhances our understanding of lunar geography and composition.

He also addressed the technological advancements incorporated into Chandrayaan-3, such as improvements in landing precision and remote sensing capabilities. Godambe's presentation was enriched with visual aids, including mission videos and images of the lunar surface, which helped students grasp the scale and impact of the mission.

Following the lecture, Dr. Nijil Mankuzhiyil led an interactive workshop that provided a deeper dive into the scientific and engineering aspects of Chandrayaan-3. Dr. Mankuzhiyil explained the engineering challenges faced during the mission, such as ensuring a safe landing on the moon's surface and overcoming the harsh lunar environment. He used practical examples and interactive experiments to illustrate concepts like spacecraft navigation, remote sensing technology, and data analysis.

The workshop included a Q&A session where students had the opportunity to ask questions and discuss the details of the mission. Dr. Mankuzhiyil encouraged students to think critically about space science and inspired them to consider careers in this exciting field.

The event was marked by enthusiastic participation from students. The interactive nature of the workshop and the engaging presentation sparked curiosity and a sense of wonder about space exploration. Students actively engaged in discussions, asked insightful questions, and participated in the hands-on activities with great interest.

The guest lecture and workshop celebrating National Space Day were a resounding success, providing students with valuable insights into the Chandrayaan-3 mission and the broader field of space science.

  
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