



### Indian Space Programme: A Triumphant Progress

**Lecture by: Dr. Debiprosad Dueti, Former Director, Research & Assesment, ISRO**

**Date & Timing: 20.08.2024, 03:00 PM**  
**Venue: Auditorium, UAC, Bose Institute**

**Research Objectives**

- Strategic Research Objectives of Space
- Quantum Advancement in Space
- Advancements in UAV Systems of ISRO
- Commercialization of Space (Space to Earth and Beyond)
- Advancements in Space Science and Technology
- Advancements in Space Exploration

**Books:**

- 1. Indian Space Programme: A Triumphant Progress
- 2. Space Science and Technology: A Comprehensive Review
- 3. Space Science and Technology: A Comprehensive Review
- 4. Space Science and Technology: A Comprehensive Review
- 5. Space Science and Technology: A Comprehensive Review



**study various dynamics of bright astronomical X-ray sources in extreme conditions**

Jan. 01, 2024

The slide is a collage of images related to space science. At the top left, there are two circular X-ray source images labeled 'XPO1' and 'XPO2'. To their right is a satellite labeled 'XPOSat' in orbit. Below these are two more images: a colorful nebula and a model of a lunar lander. On the right side, a rocket is shown launching with a large plume of fire. A yellow box with the date 'Jan. 01, 2024' is overlaid on the rocket image.

**CHANDRAYAAN-3 SCIENCE**

The slide is titled 'CHANDRAYAAN-3 SCIENCE' and contains four scientific plots. The top-left plot shows 'Temperature (°C)' on the x-axis and 'Depth (cm)' on the y-axis, with a line graph showing an upward trend. The top-right plot shows 'Depth (cm)' on the y-axis and 'Wavelength (nm)' on the x-axis, with a scatter plot of data points. The bottom-left plot shows 'Acceleration (m/s²)' on the y-axis and 'Time (sec)' on the x-axis, with a waveform that decays over time. The bottom-right plot shows 'Acceleration (m/s²)' on the y-axis and 'Time (sec)' on the x-axis, with a similar waveform.

**LUNA 3 - Other side of the Moon**

**LUNA 9 - 1969**

The slide features two main sections. The left section is titled 'LUNA 3 - Other side of the Moon' and shows a circular image of the moon's surface. The right section is titled 'LUNA 9 - 1969' and shows an image of a lunar lander on the moon's surface.









