

NIGHT SKY OBSERVATION EVENT

@SARALA BIRLA UNIVERSITY, RANCHI

SATURN

JUPITER

MARS

MOON

VENUS

MERCURY



DISCOVER THE WONDERS OF THE NIGHT SKY

A Special Event by Synodic Space Labs at Sarala Birla University

Join us for an extraordinary journey through the cosmos! Sarala Birla University invites you to an immersive Night Sky Observation Event that combines theoretical learning with hands-on celestial exploration.

Contact Persons:

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Scan for Registration :

FOR STUDENTS



FOR FACULTIES





PROFESSIONAL EQUIPMENT

We provide state-of-the-art astronomical equipment:

- **8-Inch Dobsonian Telescope:** Ideal for deep-sky viewing.
- **130 mm Newtonian EQ Telescope:** Versatile with equatorial mount.
- **50 mm Refractor Type Telescope:** Great for beginners.
- **Pie Matrix Griffin 1141000:** 1000 mm focal reflector.
- **Pie Matrix Neo 50360:** Portable refractor.
- **Specialized Astronomy Binoculars:** Wide-view stargazing.

WHAT YOU'LL SEE

(Weather and conditions permitting)

- **Parade of Planets** – Marvel at the aligned beauty of our solar system's planets.
- **Jupiter and Its Moons** – Observe the majestic gas giant and its Galilean moons.
- **Saturn and Its Rings** – Experience the breathtaking view of Saturn and its unique ring system.
- **Venus** – The radiant "Evening Star" in all its glory.
- **Mars** – Catch a glimpse of the red planet.
- **Sirius** – The brightest star in the night sky.
- **Constellations** – Spot Orion, Pisces, and other constellations as you delve into their mythology and science.
- **Andromeda Galaxy** – Look beyond the Milky Way to our galactic neighbor.
- **Orion Nebula** – Witness this stellar nursery where new stars are born.
- **Pleiades (Seven Sisters)** – Enjoy this stunning open star cluster.

KEY FEATURES

- Expert guidance from space education professionals
- Team-based learning experience
- Hands-on experience with professional equipment
- Participation certificate
- No prior astronomy knowledge required

WHAT TO EXPECT

Theoretical Workshop (1.5 Hours)

- Expert-led sessions on astronomy fundamentals
- Engaging discussions about star life cycles
- Insights into celestial navigation
- Fascinating facts about our galaxy and beyond

Practical Night Sky Observation

- Learn to operate professional telescopes
- View breathtaking celestial objects
- Track constellations using star charts
- Experience guided binocular observations

SCAN HERE FOR REGISTRATION

STUDENTS



FACULTIES:



Limited Seats Available

EVENT SCHEDULE

27th & 28th January 2025

4:00 PM - 5:30 PM:
Theoretical Workshop

5:30 PM - 6:30 PM:
Team Formation & Preparation

6:30 PM - 9:30 PM:
Night Sky Observation Activities

