



**Goa University**  
**Discipline of Physics**  
**School of Physical and Applied Sciences**  
**Report on SSR Activity DST-PURSE**

<b>1. Title of the Event/Activity/program</b>	<b>Sky Observation and Talk on Wonders of Universe</b>
<b>2. Date and Time</b>	23 <sup>rd</sup> January, 2026 5:30 pm to 10:00 pm
<b>3. Mode of conduct (Physical/Online)</b>	Physical
<b>4. School/ Directorate/ Section</b>	School of Physical and Applied Sciences
<b>5. Collaborating Agency/School/Directorate</b>	DST-PURSE Social Entrepreneurship Swachhata and Rural Engagement Cell (SES-REC), Directorate of Unnat Bharat Abhiyan (UBA), Education Outreach Goa University
<b>6. Detail of the Resource Person (Brief biodata)</b>	Dr. Reshma Raut Dessai, Assistant Prof. in Physics SPAS Dr. Narayan Ventrekar, Assistant Prof. in Electronics SPAS
<b>7. Number of Faculty attended/participated</b>	10
<b>8. Number of Student attended / participated</b>	109
<b>9. No. of external students/faculty/other participants</b>	40

<p><b>10. The objectives of the Program/activity/event</b></p>	<ul style="list-style-type: none"> <li>• To introduce children to the basic concepts of astronomy in an engaging way.</li> <li>• To offer interactive stargazing experiences, helping people observe celestial objects.</li> <li>• To ignite curiosity and interest in science through hands-on participation,</li> <li>• And most importantly, to promote experiential learning beyond the confines of classrooms making science accessible and enjoyable for all.</li> </ul>
<p><b>11. Description of the Program/activity/event</b></p>	<p>The event was held at Govt. Middle school, Ugave Pernem Goa on 23<sup>rd</sup> January 2026, as part of Science outreach and astronomy awareness initiatives of DST PURSE. A total of 109 middle school students, 10 teachers and 40 parents participated in the programme.</p> <p>Dr. Reshma Raut Desai delivered an inspiring talk titled “Discover the Wonders of the Sky,” covering a range of astronomical phenomena including the phases of the Moon, planetary motion, space exploration, space tourism, and careers in astronomy. Her session ignited curiosity among participants and encouraged them to delve deeper into the mysteries of the cosmos.</p> <p>Following the talk, Dr. Narayan Vetrekar conducted an interactive quiz based on the discussion, in which both students and teachers participated enthusiastically. Prizes were awarded to those who answered correctly, celebrating their curiosity and knowledge.</p> <p>Participants were then treated to a rare firsthand experience of observing celestial objects through telescopes, including the Moon, Saturn with its iconic rings, Jupiter with its five moons and distinctive bands, the Andromeda Galaxy, and several constellations.</p> <p>Overall, the event was highly informative and deeply inspiring, offering a unique opportunity to witness the beauty and vastness of the universe. It successfully fostered scientific temper and nurtured a lasting interest in astronomy among students and the community</p>

<p><b>12. Benefit/Key outcomes of the Program/activity/event</b></p>	<ul style="list-style-type: none"> <li>• Enhanced understanding of basic astronomical concepts and space exploration.</li> <li>• Encouraged active participation through a quiz based on the talk, promoting learning in an interactive way</li> <li>• Provided hands-on experience in night-sky observation using telescopes.</li> <li>• Strengthened interest in science, technology, and astronomy among school students</li> </ul>
<p><b>13. Enclosures with report</b></p>	<p>Brochure, Notice, Geo-tag photos, Attendance of students/faculty/external participants, Bio Data of resource person (if applicable), Any other information.</p>

*R. Dessai*

Coordinator: Dr. Reshma Raut Dessai

Designation: Assistant Professor SPAS

*R. V. Pai*

Prof. Ramesh V Pai

Dean SPAS

Seal of the School





Photo 1: Session by Dr. Reshma on astronomy, sparking curiosity about the universe among parents and students



**Photo 2 : Explaining the occultation of Saturn by the Moon**



**Photo 3: Curious questions from participants about the wonders of astronomy**



**Photo 4: Curious minds in action, students excitedly raising their hands to answer quiz questions from the astronomy talk**



**Photo 5: Primary School Students eager to answer quiz questions.**



**Photo 6: Motivating students through prizes for active participation in the astronomy quiz**



**Photo 7: Telescope getting aligned for observation**



**Photo 8: enthusiastic students waiting for their turn to look through telescope**



**Photo 9: Students eagerly crowding around to catch a close-up view of their favorite the Moon and its craters.**



**Photo 10: Excited students gather to explore the Jupiter and its moons through the telescope**



**Photo 11: An interactive moment as parents ask questions and explore the wonders of astronomy**



विज्ञान एवं प्रौद्योगिकी विभाग  
DEPARTMENT OF  
SCIENCE & TECHNOLOGY



## **Stargazing Night: Discover the Wonders of the Sky**

Organized by  
**DST-PURSE and School of Physical and Applied Sciences (SPAS),**  
in association with  
**Social Entrepreneurship Swachhata and Rural Engagement Cell (SES-REC),**  
**Directorate of Unnat Bharat Abhiyan (UBA), Goa University**

**VENUE: Govt. Middle School Ugave**

**Pernem Goa**

**Date: 23<sup>rd</sup> January, 2026**

**Talk: 5:30 pm to 6:30 pm**

**Sky gazing reflector telescope**

**6:30 pm to 8:30 pm**

# उगवे शाळेत टेलिस्कोपद्वारे आकाशगंगा निरीक्षण कार्यक्रम

लोकमत न्यूज नेटवर्क

**पेडणे :** सरकारी प्राथमिक व पूर्व माध्यमिक शाळा उगवे पेडणे येथे नुकताच टेलिस्कोपद्वारे आकाशगंगा निरीक्षण कार्यक्रम यशस्वीरीत्या पार पडला. केजी ते सातवीपर्यंतच्या विद्यार्थ्यांनी या कार्यक्रमात उत्स्फूर्त सहभाग घेतला.

कार्यक्रमाची सुरुवात डॉ. रेश्मा यांनी वर्गामध्ये प्रोजेक्टरच्या साहाय्याने खगोलशास्त्राविषयी माहिती देऊन केली. आकाशगंगा, ग्रह-तारे यांची चित्रे दाखवून विद्यार्थ्यांना प्रश्न विचारण्यात आले. त्यानंतर डॉ. नारायण वर्णेकर यांनी विद्यार्थ्यांना खगोलशास्त्राचे महत्त्व समजावून सांगितले.

संध्याकाळी सातनंतर टेलिस्कोपद्वारे आकाश निरीक्षण करण्यात आले. यामध्ये विद्यार्थ्यांनी चंद्राचे दर्शन, शनी ग्रहाचे दर्शन तसेच आकाशातील विविध तान्यांचे निरीक्षण केले. विद्यार्थ्यांमध्ये खगोलशास्त्राविषयी आवड निर्माण करण्याच्या उद्देशाने हा उपक्रम राबविण्यात आला होता.



टेलिस्कोपद्वारे आकाशगंगा निरीक्षण कार्यक्रमावेळी उपस्थित विद्यार्थी व शिक्षक.

हा कार्यक्रम डायरेक्टर ऑफ उन्नत भारत अभियान (यूबीए) गोवा विद्यापीठातर्फे आयोजित करण्यात आला होता. प्रास्ताविक मुख्याध्यापक शेखर गोकर्णकर यांनी केले. यावेळी शाळा समूहाचे अध्यक्ष नीलेश महाले उपस्थित होते. सूत्रसंचालन शिक्षक महेश

तिरोडकर यांनी केले. पालकांनीही कार्यक्रमात सहभाग घेतला. कार्यक्रमास शिक्षिका उपासना चोडणकर, सुप्रिया नाईक, नविता माईनकर, पूजा कवठणकर व श्रद्धा ठाकूर उपस्थित होत्या. आभार शिक्षिका नविता माईनकर यांनी मानले.