



## Goa University

### D.D. Kosambi School of Social Sciences and Behavioural Studies

#### Social Work Programme

#### Under the Stars: A Sky Observation Session – A Guided Journey into Stars, Space, and Cosmic Curiosity

<b>1. Title of the Event</b>	<b>Under the Stars: A Sky Observation Session – A Guided Journey into Stars, Space, and Cosmic Curiosity</b>
<b>2. Date and Time</b>	7th December 2025   6:30 PM – 8:30 PM
<b>3. Mode of Conduct</b>	Physical
<b>4. School / Directorate/ Section</b>	D. D. Kosambi School of Social Sciences and Behavioural Studies (DDKSSSBS), Goa University
<b>5. Collaborating Agency</b>	Directorate of Unnat Bharat Abhiyan (DUBA)
<b>6. Detail of the Resource Person (Brief biodata)</b>	Dr. Reshma Raut Dessai is an Assistant Professor at the School of Physical and Applied Sciences, Goa University, and a Visiting Associate at IUCAA, Pune. She obtained her Ph.D. in 2013 for her research on porosity studies of ceramic, glass, and clay materials. Her research interests include porous materials, ceramics, glasses, neutron scattering, and X-ray astronomy. She has presented research at several national and international conferences and has been invited to speak at global forums including the World Congress of Smart Materials and the Asia Oceania Conference on Neutron Scattering. She has

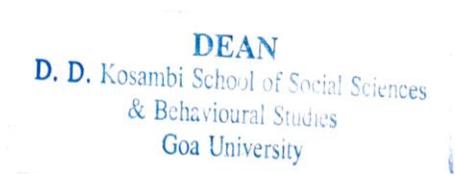
	<p>successfully completed two UGC-DAE funded research projects.</p> <p>An accomplished science communicator and amateur astronomer, she is the recipient of the Best Amateur Astronomer Award (2004) and the Inspiration to Youth Award (2014). She has delivered more than 230 public lectures on astronomy, conducted sky observation programmes, and contributed to telescope-making workshops. Currently, three Ph.D. scholars work under her supervision. She also serves as Secretary of the Indian Association of Physics Teachers (Goa Chapter) and Chairperson of the Marathi Vidnyaan Parishad, Goa Division.</p>
<b>7. Number of Faculty attended/participated</b>	2
<b>8. Number of Student Attended / Participated</b>	32
<b>9. No. of external students/faculty/other participants</b>	7
<b>10. Objectives of the Event</b>	<ul style="list-style-type: none"> <li>• To foster curiosity and interest in astronomy among participants through guided sky observation.</li> <li>• To introduce basic astronomical concepts such as constellations, planets, celestial movements, and eclipses.</li> <li>• To promote scientific thinking and observational skills through experiential learning.</li> <li>• To connect traditional knowledge systems with scientific explanations.</li> <li>• To highlight interdisciplinary connections between</li> </ul>

	astronomy, society, culture, and environmental understanding.
<b>11. Description of the Event</b>	<p>The session titled Under the Stars: A Sky Observation Session was conducted on 7th December 2025 at Panchayat Hall, Marcaim, as part of Rural Camp 2025. The programme was led by Dr. Reshma Raut Dessai, who facilitated an interactive and engaging introduction to basic astronomical concepts and observational techniques.</p> <p>The session began with a conceptual discussion covering topics such as meteors, meteorites, nebulae, double stars, open and globular clusters, eclipses, the Orion constellation, and the astronomical unit (AU) representing the distance between the Earth and the Sun. Participants were also introduced to foundational concepts in sky observation, including directions of sunrise and sunset, seasonal solar movements such as Uttarayan and Dakshinayan, and methods of identifying celestial objects.</p> <p>The theoretical explanations were followed by a practical sky observation activity, allowing participants to directly observe celestial bodies and apply the concepts discussed. The experiential component enabled learners to relate scientific theory to real-time observation, thereby reinforcing understanding through direct engagement with the night sky.</p>
<b>12. Benefit/Key Outcomes of the Event</b>	<ol style="list-style-type: none"> <li>1) Participants developed foundational knowledge of astronomy and observational sky-watching techniques.</li> <li>2) Increased awareness of celestial phenomena such as eclipses, constellations, and star clusters.</li> <li>3) Strengthened scientific curiosity and interest in space science among participants.</li> </ol>

	<p>4) Enhanced understanding of the relationship between astronomy, everyday life, and cultural practices.</p> <p>5) Promoted experiential learning through observation-based engagement.</p> <p>6) Fostered interdisciplinary understanding by linking astronomy with environmental awareness, climate change perspectives, and sociocultural interpretations of celestial phenomena.</p>
<p><b>13. Enclosures with report</b></p>	<ul style="list-style-type: none"> <li>● Copy of the Event Poster</li> <li>● Photos</li> <li>● Attendance sheet</li> </ul>

  
 Mr. Keval Naik  
 Assistant Professor (Social Work)  
 Rural Camp Coordinator

  
 Prof. Nagendra Rao  
 Dean  
 D. D. Kosambi School of Social  
 Sciences and Behavioural Studies

  
**DEAN**  
 D. D. Kosambi School of Social Sciences  
 & Behavioural Studies  
 Goa University

Seal of the School/Directorate/University

**Date:** 18<sup>th</sup> February 2026



**SOCIAL WORK PROGRAMME**  
D. D. Kosambi School  
of Social Sciences and Behavioural Studies  
Goa University

## RURAL CAMP 2025

From Classroom to Community:  
Empowering Change Together

### Under the Stars: A Sky Observation Session

A Guided Journey Into Stars, Space, and Cosmic Curiosity

*Hands-on observation of stars, constellations, and  
cosmic behaviour to build scientific interest and  
discovery.*



**Dr. Reshma Raut Dessai**  
Asst. Professor, Physics, Goa University



**Date:**  
December 7, 2025



**Time:**  
6:30 PM - 8:30 PM



**Venue:**  
Panchayat Hall, Marciam



Mr. Peter F. Borges  
Faculty Incharge



Mr. Syden Luis Fernandes  
Student Incharge

**Prof. Nagendra Rao**  
Dean, DDKSSBS

**Dr. Prachi Prabhu**  
PD, SWP

**Mr. Keval Naik**  
Faculty Coordinator

21:46



GPS Map Camera  
Marcaim, Goa, India  
Kundem Road, Ponda, Marcaim, Goa 403404, India  
Lat 15.419973, Long 73.944871  
12/07/2025 06:29 PM GMT+05:30  
Note : Captured by GPS Map Camera



GPS Map Camera  
Marcaim, Goa, India  
Kundem Road, Ponda, Marcaim, Goa 403404, India  
Lat 15.419835, Long 73.945221  
12/07/2025 08:09 PM GMT+05:30  
Note : Captured by GPS Map Camera



# RURAL CAMP 2025

## Sky Observation

Date - 07/12/2025

Time - 06:30 pm to 08:30 pm

- |                           |                       |
|---------------------------|-----------------------|
| 1) Khanish .D. Gaude      | <del>Paude</del>      |
| 2) Niraj .O. Gaude        | <del>Paude</del>      |
| 3) Saish .R. Konkankar    | <del>Paude</del>      |
| 4) Soham .S. Naik         | <del>Paude</del>      |
| 5) Shounak .C. Gaude      | <del>Paude</del>      |
| 6) Divija .V. Gaude       | <del>Paude</del>      |
| 7) Rudali .R. Gaude       | <del>Paude</del>      |
| 8) Vanshika C. Gaude      | <del>Paude</del>      |
| 9) Tanishka .T. Gaude     | <del>Paude</del>      |
| 10) Kritik .U. Naik       | <del>Paude</del>      |
| 11) Adarsh .B. Sahan      | Adarsh                |
| 12) Sanaya G. Gaude       | Gaude                 |
| 13) Saiksha V. Kunkolikar | <del>Kunkolikar</del> |
| 14) Khanak S. Gaude       | <del>Paude</del>      |
| 15) Shorvani S. Naik      | <del>Naik</del>       |
| 16) Hritika S. Gaude      | <del>Gaude</del>      |
| 17) Roshanee D. Naik      | <del>Naik</del>       |
| 18) Diya D. Naik          | <del>Naik</del>       |
| 19) Vivansha V. Gaude     | <del>Gaude</del>      |
| 20) Jija R. Naik          | <del>Naik</del>       |
| 21) Satyam R. Kumar       | <del>Kumar</del>      |

## Resource person people

- |                           |                     |
|---------------------------|---------------------|
| 22 Dr. Aniketh Chavhan    | <del>Chavhan</del>  |
| 23 Dr. Narayan Vetrakar   | <del>Vetrakar</del> |
| 24 Dr. Amrita N. Vetrakar | <del>Vetrakar</del> |
| 25 Dr. Reshma Kant Desai  | <del>Desai</del>    |

- |                               |                   |
|-------------------------------|-------------------|
| 26 Devita .S. Naik (Teacher)  | <del>Naik</del>   |
| 27 Niyati N. Sawant (Teacher) | <del>Sawant</del> |
| 28 Kritiksha Naik             | <del>Naik</del>   |
| 29 Dr. Purva Vasta            | <del>Vasta</del>  |

# RURAL CAMP 2025

## Sky Observation

Date - 07-12-2025

Time - 06:30 pm to 08:30 pm

30) Atsana Athikatti	<del>Asana</del>
31) Aishwarya Gad	<del>AGad</del>
32) Sakshi Revodkar	<del>Skwadkar</del>
33) Shreya Dias	<del>Shreya</del>
34) Syden Fernandes	<del>Syden Fernandes</del>
35) Maurya Chari	<del>Maurya</del>
36) Shanu Gawas	Shanu
37) Sujit Shetkar	Shetkar
38) Diya Sawant	<del>Diya</del>
39) Vaidehi Zarepkar.	<del>Vaidehi</del>
40) Kevai Naik	Naik
41) Vasudha	