



Goa University

**School of Physical and Applied Sciences & Social Entrepreneurship
Swachhata and Rural Engagement Cell (SES-REC) D-UBA,**

Goa University

Report on Sky Gazing at School of Physical and Applied Sciences Goa University

1. Title of the Event/Activity/program	Sky Gazing through 6 inch reflector telescope and ZSO Seestar Smart telescope
2. Date and Time	16 th February, 2024 07:00 pm to 09:30 pm
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	School of Physical and Applied Sciences & Swachhata and Rural Engagement Cell (SES-REC) D-UBA
5. Collaborating Agency/School/Directorate	
6. Detail of the Resource Person (Brief biodata)	1. Prof. Jivan Parab, Professor in Electronics, SPAS Goa University 2. Dr. Reshma Raut Dessai, Assistant Professor in Physics, SPAS Goa University Visiting Associate of IUCAA Pune 3. Dr. Aniket Gaonkar, Assistant Professor in Electronics, SPAS Goa University 4. Dr. Narayan Vetrekar, Assistant Professor in Electronics, SPAS Goa University
7. Number of Faculty attended/participated	14
8. Number of Student attended / participated	89
9. No. of external students/faculty/other participants	20

10. The objectives of the Program/activity/event	To view Sky through 6 inch reflector telescope to see the moon features, planets, Nebula and clusters. Astrophotography using Seestar Smart telescope.
11. Description of the Program/activity/event	<p>Night sky observation was conducted by SPAS on 16th February 2024 from 7:00 pm to 9:30 pm at the Parking lot of faculty block A. Two telescopes used had specifications:</p> <ol style="list-style-type: none"> 1. 6 inch reflector telescope of 150 mm primary mirror was used for direct viewing. 2. ZWO Seestar S50 telescope mm of focal length 250 used in Astrophotography. <p>Nearly 90 participants gathered near faculty block A to view celestial objects through telescope. Visitors were excited to see the craters on moon, satellites of Jupiter and birth place of star (nebulae). The observation through telescope was followed by identifying constellations in the sky and how to locate directions in the sky.</p> <p>Using Seestar following photographs were taken</p> <ol style="list-style-type: none"> 1. Moon and its craters 2. Orion nebulae (M42) which is at a distance of 1500 light years 3. Little beehive cluster (M41) open cluster in the constellation of Canis major at 2300 light years away. <p>Above photographs attached..</p>
12. Benefit/Key outcomes of the Program/activity/event	This activity enriched the knowledge of our universe and its content. The participants were able to identify constellations and the directions in the sky.
13. Enclosures with report	Brochure, Notice, Geo-tag photos, Attendance of students/faculty/external participants..

Dr. Reshma Raut Dessai

Dr. Reshma Raut Dessai
Assistant Professor, SPAS

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Seal of the School





Sky Observation using Reflector and a smart telescope
on
Friday, 16th February 2024



Organized by School of Physical and Applied Sciences (SPAS) and
Social Entrepreneurship Swachhata and Rural Engagement Cell (SESREC) D-UBA,
Goa University

VENUE: Parking Lot, Faculty Block A, Goa University

Sky gazing through 6" reflector telescope

7:00 pm to 8:30 pm

All are Cordially invited



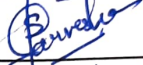
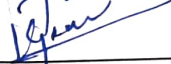
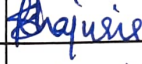
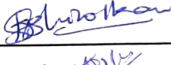






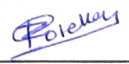
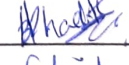
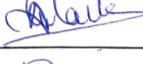

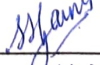
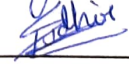
**School of Physical and Applied Sciences (SPAS) and Social Entrepreneurship
Swachhata and Rural Engagement Cell (SES-REC) D-UBA, Goa University**

**Skvgazing using Reflector Telescope
on**

16 February 2024

VENUE: Parking Area, Faculty Block A, Goa University

ATTENDANCE

Sr. No	Name	School	Sign
1	Sarita Rele	SBSB	
2	Tanya Natekar	SBSB	
3	Sarvesha Shetgaonkar	SCS	
4	Krishna Patel	SPAS	
5	Sakshi Sharma	SBSB	
6	Krutika S. Shivolkar	SPAS	
7	Kusumita Ramnathkar	SPAS	
8	Gaurangi Miringkar	SPAS	
9	Anagha Gaude	SPAS	
10	Sweta Velip	SPAS	
11	Ruchita Garde	SPAS	
12	Mahima Patekar	SPAS	
13	Suharsh Padloskar	SPAS	
14	Pujal Gorekar	SPAS	
15	Asmita Phadte	SCS	
16	Abhisket Naik	SPAS	
17	Kartik Faldessai	SPAS	
18	Samrudhhi Gawas	SPAS	
19	Poornay Sudhir	SPAS	
20	Harish Gad	SPAS	

21	Yeshwant Korkannavar		<u>Yeshwant</u>
22	Vedant Gawas	SCS	<u>Gawas</u>
23	Harina Velip	SPAS	<u>Velip</u>
24	Pratham Bhat	SPAS	<u>Pratham</u>
25	Aditya Naik	SPAS	<u>Aditya</u>
26	Sukhdev Yadav	SPAS	<u>Yadav</u>
27	Sirvish Naik	SPAS	
28	Rohit Hanchimani	SPAS	
29	Harish Gad	SPAS	
30	Manthan Sawant	SPAS	<u>Sawant</u>
31	Darvina Patil	SPAS	<u>Patil</u>
32	Mayuni Verlekar	Zoology	<u>Verlekar</u>
33	Anurag Kumar	Marine Biotech	<u>Kumar</u>
34	Gourab Dutta	//	<u>Dutta</u>
35	Ganesh Gaonkar	SCS	<u>Gaonkar</u>
36	Gajesh Gaonkar	SCS	<u>Gaonkar</u>
37	Tejaswi Gaonkar	SCS	<u>Gaonkar</u>
38	Sujay Gaude	SCS	<u>Gaude</u>
39	Rudraksh Naik	SCS	<u>Naik</u>
40	Pralay Daiker	SCS	<u>Daiker</u>
41	Sainesh Naik	SCS	<u>Naik</u>
42	Nehal Naik	SPAS	<u>Naik</u>
43	Rajvi Naik	SPAS	<u>Naik</u>
44	Harphod Gaude	SCS	<u>Gaude</u>
45	Vishant Gaonkar	SCS	<u>Gaonkar</u>
46	Swastik Namshikar	MA English	<u>Namshikar</u>

47	Mannah Kittur	MA English	
48	Anjali	"	Anjali
49	Shambhavi Manerkar	SPAS, Maths	Shambhavi
50	Anya Rege	SPAS,	Anya Rege
51	Maithili Khandekar	"	
52	Callista Cabral	"	Callista Cabral
53	Saish Khanolkar	"	
54	Saloni Mandrekar	"	
55	Ratna Mandre	MSC. AI	Ratna Mandre
56	Shreya Gavli	MSC. AI	Shreya Gavli
57	Relia Nante	MScel Phys	Relia Nante
58	Neha Khandekar	MScel Phys	Neha Khandekar
57	Ponung Paloh	M.Sc Marine Biotech.	Ponung Paloh
58	Hemprabha Mandavi	"	Hemprabha Mandavi
59	Divyarani Revankar	Research scholar SBSB	Divyarani Revankar
60	Manjusha Madhalekar	Faculty	Manjusha Madhalekar
61	Avani Talkatkar	PH.D student	Avani Talkatkar
62	Shubhankar Bandekar	Research Scholar	Shubhankar Bandekar
63	Namita Rane	"	Namita Rane
64	Neha Phadte	"	Neha Phadte
65	Tushad Sheikh	"	
66	Kmaysa Prabhu	Student	Kmaysa Prabhu
67	Mahendra Chaudhary	Research Scholar	Mahendra Chaudhary
68	R. S. Jyoti	SPAS, Phys	R. S. Jyoti
69	S. P. Jyoti	SPAS, Phys	S. P. Jyoti
70	Sujany Rane	SPAS, Physics	Sujany Rane

71	Shailesh Nishad	-	Nishad
72	Tukaram Rane	-	Rane
73	Narayan Vetrekar	SPAS	Vetrekar
74	Jivran Parab	SPAS	Parab
75	Samson Fernandes	Pol science	Fernandes
76	Sylbil Sequeira	Portuguese	Sequeira
77	JERALD RODRIGUES	BOTANY	Rodrigues
78	AKHIL KALANGUTKAR	"	Akhil
79	BADAL SHARMA	"	Sharma
80	Diveesh Nagrekar	"	Nagrekar
81	SALSHA DANGUI	"	Dangui

(82) PRANALI MAIK

"

~~Maik~~

(83) PRETI D'SOUZA

~~#~~

1

(84) AUSTINIA BARBOSA

"

~~Barbosa~~

(85) MAHIMA MAIK

"

~~Maik~~

(86) GEETA MESTRY

"

~~Mestry~~

(87) SAMRUHI GAUNEKAR

"

~~Gaunekar~~

(88) Reshma Raut Desai

"

~~Desai~~

SPAS

~~Desai~~

(89) Aniket Raut

SPAS

~~Raut~~



Photo 1: Adjustment of 6 inch reflector telescope



Photo 2: Moon picture clicked using ZSO Seestar S 50 smart telescope

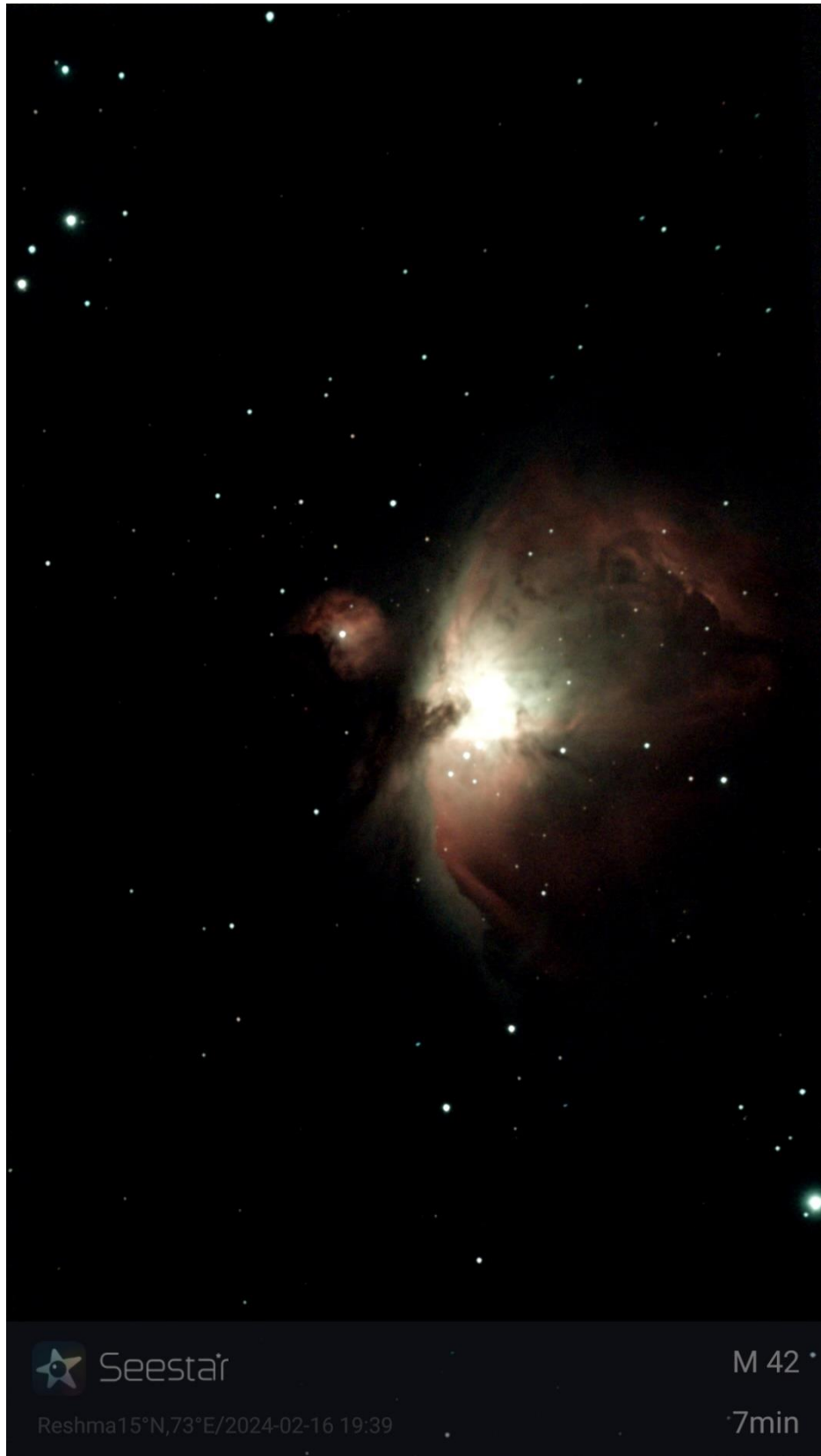


Photo 3: Orion nebula also called M42 in the Orion constellation clicked using ZSO Seestar S50 smart telescope



Photo 4: Lottle beehive (M41) in the canis major constellationcluster clicked using ZSO Seestar S 50 smart telescope



Photo 5: Explanation to constellation in the sky



Photo 6: Telescope alignment



Photo 7: visitors enjoying observation of moon and Jupiter through telescope



Photo 8: Group photo of organisers and the participants



Photo 9: SPAS group with the telescope