



Report on Seminar 'Physics of splendid sunset' held on 19th October 2023.

Department of Physics organised seminar on 'Physics of Splendid Sunset ' on 19th October 2023 under DBT Star College Scheme. Dr. A. K. Saran, Retired Scientist from National institute of Oceanography was invited to deliver talk.

Objective

To gain understanding about the phenomenon which occurs during sunset or sunrise.

Participants

41 Science students and 5 faculty members took the benefit of the program

Proceedings

Department of Physics under DBT Star College scheme organised seminar on 'Physics of Splendid Sunset' on 19th October 2023. Dr. A. K. Saran, Retired Scientist from National institute of Oceanography was invited as resource person.

During his talk, Dr. Saran explained that the earth's atmosphere, comprising diverse gases and particles, plays a pivotal role in shaping the beauty of sunsets. When sunlight penetrates the atmosphere, it interacts with these particles. He highlighted Rayleigh scattering, a phenomenon inversely proportional to the fourth power of wavelength, which is the primary cause of the blue sky seen during the day. However, during sunrise and sunset, sunlight travels through a larger portion of the Earth's atmosphere, leading to an increased path length and more scattering. Consequently, longer wavelengths like reds, oranges, and pinks become dominant, giving rise to the warm and vivid colours characteristic of sunsets.

Dr. Saran shed light on the intricate Physics behind this natural phenomenon, thereby deepening the understanding of the enchanting phenomena observed in the evening skies.

Principal Dr. Vrinda Borker welcomed the gathering Dr. Swati Pawar, Mr. S. S. Burye, Dr. Miskil Naik coordinated the seminar, Dr. Ramu Murthy introduced the resource person., Ms. Siddhi Parsekar prepared the flyer for the seminar.

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DCT's DHEMPE COLLEGE OF ARTS AND SCIENCE
Miramar, Panaji-Goa

Name of the Event: Physics of Splendid Sunset

Date/day: Thursday 19/10/2023

Venue: S.V. Hall

Time: 11am - 1:30 pm.

Attendees:

a) No. of Students: 41

b) No. of Faculty: 05

Total 41+5 = 46

Sr no.	Roll No.	Name of the Student /Faculty	Class	Subject	Sign.
1.	2202160	Abarna A Mandekar	SYBSc	Physics	
2.	2202166	Gopal D Haldankan	SYBSc	Physics	
3.	2202167	Ishita Gaonkar	SYBSc	Physics	
4.	2202185	Shivam Kogambe	SYBSc	Physics	
5.	2202178	Shradha Jadhav	SYBSc	Physics	
6.	2202177	Shivani Zambhakar	SYBSc	Physics	
7.	2202176	Santosh Kumar	SYBSc	Physics	
8.	2202164	Clyde De Araujo	SYBSc	Physics	
9.	2202144	Rishikesh Dikholkar	SYBSc	Physics	
10.	2202140	Swastik Ghosai	SYBSc	Physics	
11.	2202158	Milisha Almeida	SYBSc	Physics	
12.	2202243	Abzal Hussain	SYBSc	Physics	
13.	2202175	Sania Fernandes	SYBSc	Physics	
14.	2202276	Tejaswini Rama	SYBSc	Physics	
15.	2202270	Shradha Chaturkar	SYBSc	Physics	
16.	2202266	Reshma Kerketta	SYBSc	Physics	
17.	2202267	Priya Nehari	SYBSc	Physics	
18.	2202265	Ramona Fernandes	SYBSc	Physics	
19.	2202258	Riya Deshpande	SYBSc	Physics	
20.	2202275	Tanay Gaware	SYBSc	Phys & Chem	
21.	2202228	Gajendra Chaudhary	SYBSc	Physics	
22.	2202136	Simran Charles	SYBSc	Physics	
23.	2202180	Simran Bepari	SYBSc	Physics	
24.	2202183	Shandita Kamble	SYBSc	Physics	



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Sr no.	Roll No.	Name of the Student /Faculty	Class	Subject	Sign.
25	2302251	Luquiza De Oliveira	SYBSc	Physics	<i>Luquiza</i>
26	2302168	heena Burka	SYBSc	Physics	<i>heena</i>
27	2301360	Saloni Dhumaskar	FYBA	Geology	<i>Saloni</i>
28	2301607	Aditi S Atham	FYBA	Geology	<i>Aditi</i>
29	2301518	Arjun Prasanna	FYBA	Geology	<i>Arjun</i>
30	2301655	shanti Joshi	FYBA	Geology	<i>Shanti</i>
31	2301631	Hema chawan	FYBA	Geology	<i>Hema</i>
32	2301477	Justin	FYBA	Geology	<i>Justin</i>
33	2301411	Gia	FYBA	Geology	<i>Gia</i>
34	2301561	Saloni	FYBA	geology	<i>Saloni</i>
35	2301559	Priya	FYBA	Geology	<i>Priya</i>
36	2301606	Vishwanath Wajvelkar	FYBA	Geology	<i>Vishwanath</i>
37	2301615	Nitish Yende	FYBA	Geology	<i>Nitish</i>
38	2302262	Dhruv S. Naik	SYBSc	PCM	<i>Dhruv</i>
39	2302249	Anirudh Neupane	SYBSc	PCM	<i>Anirudh</i>
40	2302273	Omprakash Naik	SYBSc	PCM	<i>Omprakash</i>
41	2102111	Abhishek Reshankar	SYBSc	CSPM	<i>Abhishek</i>
42		Dr. Miskil Naik			<i>Dr. Miskil Naik</i>
43		Dr Swati Pawar			<i>Dr Swati Pawar</i>
		Ms Siddhi Parisekar			<i>Ms Siddhi Parisekar</i>
		Mr S-S Burye			<i>Mr S-S Burye</i>
		Dr. Ramu Murthy			<i>Dr. Ramu Murthy</i>