



Goa University

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

Goa University

**Report on Pre Science day Celebration at Triumph School, Pundalik
Nagar Porvorim**

1. Title of the Event/Activity/program	Pre Science Day celebration
2. Date and Time	23 rd February, 2024 11:00 am to 13:30 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. Mridini Gawas, Assistant Professor in Mathematics, SPAS Goa University 4. Dr. Aniket Gaonkar, Assistant Professor in Electronics, SPAS Goa University
7. Number of Faculty attended/participated	6
8. Number of Student attended / participated	63
9. No. of external students/faculty/other participants	Nil

<p>10. The objectives of the Program/activity/event</p>	<ol style="list-style-type: none"> 1. To make students aware of Vedic mathematics tricks to simplify mathematical calculation. 2. The Objective of the talk on Astronomy session is to learn about our universe and provide a sense of fascination among children about space through learning astronomy. 3. Career opportunities in science 3. Objective of Exhibition on electronics models was to understand the use of electronics in our daily life and create fascination towards electronics.
<p>11. Description of the Program/activity/event</p>	<p>The faculties from School of Physical and Applied Sciences (SPAS) Goa University Prof. Jivan Parab, Dr. Reshma Raut Dessai, Dr. Mridini Gawas and Dr. Aniket Gaonkar along with 10 students visited Triumph School in Porvorim on 23rd Feb 2024 for pre science day celebration programme.</p> <p>Prof. Jivan Parab introduced the students of VIII and IX std. about the SPAS and importance of Science Day. Dr. Mridini Gawas explained the students about the importance of Vedic Mathematics in our day today life. Vedic mathematics techniques for adding any two numbers, multiplying any two 2-digit numbers, finding square of a 2-digit number and also as a special case square of a number whose unit digit is 5 were introduced to them.</p> <p>The next session was conducted by Dr. Reshma Raut Dessai on Journey to the space and Career opportunities in Astronomy. She showed them some photographs of different phenomenon taking place in space/sky during eclipse and observational phenomena in the universe. She also informed students about Career in science and the information about Institutions in India for research in</p>

	Astronomy. Quiz for students and teachers on Mathematics and Physics was also conducted and the prizes were presented to the winners. This was followed by an exhibition on few working models in electronics by the students from electronics discipline. Dr. Aniket Gaonkar and Prof. Jivan Parab guided the students in the exhibition. The models included musical harp, working of drone, parking lights and route tracing robot
12. Benefit/Key outcomes of the Program/activity/event	<ol style="list-style-type: none"> 1. Learning vedic mathematics techniques to understand mathematics in simple way. 2. Understand the observational events in the sky and cosmological model of observable universe. Career options in science. 3. Use of electronics in our daily life through working models.
13. Enclosures with report	Brochure, Notice, Geo-tag photos, Attendance of students/faculty/external participants, Bio Data of resource person (if applicable), Any other information.

R. Dessai

Dr. Reshma Raut Dessai
Assistant Professor, SPAS

R. Dessai

Dear SPAS,
Seal of the School





Pre-Science Day Programme
on
23 February 2024



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

VENUE: Triumph High School Porvorim Goa

- **Introduction**
- **Vedic mathematics**
- **Astronomy and Carrier in science**
- **Electronics working model demonstration**

Coordinators:
Prof. Jivan Parab
Dr. Reshma Raut Dessai
Dr. Aniket Gaonkar
Dr. Mridini Gawas



Mandovi Education Society (Goa)

TRIUMPH HIGH SCHOOL

Formally known as Dattaram K. Chopdekar Memorial High School
(Recognised by Goa Board of Secondary & Higher Secondary Education) (BAR-01.48)

Pundalik Nagar, Porvorim - Bardez, Goa 403 521
Phone No.: 0832 2412214 Email: triumphhs2020@gmail.com

REF.NO.THS/20/2023-24/205

Date : 23.02.2024.

To,
The Dean
School of Physical and Applied Science,
Goa University, Taligao Goa.

Sub: Session for School Children class VIII to IX.

Sir,

We have pleasure in informing you that 04 faculty members alongwith 10 M.Sc. students from School of Physical and Applied Science visited our school and presented Lectures and demonstrations for our students 11.00 to 1.15p.m.

Introductory session conducted By Prof.Jeevan Parab
Vedic Mathematics session presented by Dr.Mridini Gawas,
Astronomy and space tourism presented by Dr.Reshma Raut Desai
and Science model demonstration by Dr.Aniket Gaonkar and students.

Thanks for conducting such session in the school, we are looking forward for such type of sessions in future.

Thanking You.



Yours faithfully,

Mrs. Soniya S. Kerkar
HEADMISTRESS
TRIUMPH HIGH SCHOOL
Porvorim - Goa

Attendance

23/02/2024

The following students attended the pre session day programme conducted by SPAS, Goa University at Triumph High School Porvora.

Sr.No	Name	class	Sign
1	Anurag Kujur	8	Anurag
2	Suraj Kumar	8	Suraj
3	Rihan Ahmed	8	Rihan
4	Jafar Nabandh	8	Jafar
5)	Raghu Santakki	9	Raghu
6	Varun mahadev Kemavati	9	Varun
7)	ARUSH madar	9	Arush
8)	ABDUL JAVI Jagirdar	9	Abdul
9)	Rehan Katib	9	Rehan
10	Brendan Lobo	9	Brendan
11)	Ahmed	9	Ahmed
12	Afroz. Ahmad.	9 th	Afroz
13	Sachin Jadhav	9 th	Sachin
14)	Anshuman Singh	8 th	Anshuman
15)	Louis Varjeti	8 th	Louis
16)	Sumit Prasad	8 th	Sumit
17)	Saimon Hossain	8 th	Saimon
18)	Suraj Mishra	8 th	Suraj
19)	Sadiq Jamadar	8 th	Sadiq
20)	Banni Haism	9 th	Banni
21)	Surya Harijen	9 th	Surya
22)	Shorad Passi	9 th	Shorad
23	Alfasal Khan	9 th	Alfasal
24	Kartik Kumar kumar	9 th	Kartik
25	So Suraj Vishwakarma	IX	So
27	Gangaramsingh Toshikhani	IX	Gangaram
28	Vitor Vishwakarma	IX	Vitor
29	Vitthal	8 th	Vitthal
30	Sahana Pujar	VIII	Sahana
31	Kanchan Bishnoi	VIII	Kanchan

Sr. No.	Name	class	Sign
32	Darshani Shitodkar	VIII	Darshani Shitodkar
33	Suhana Kuratti	9 th	Suhana K
34	Ashmita Hemavati	9 th	Ashmita
35	Renuka Oli	9 th	Renuka
36	Sejal Lamani	9 th	Sejal
37	Suhana Bora	9 th	Suhana
38	Anjali Prasad	9 th	Anjali
39	Hijra H	9 th	Hijra
40	Vaishnavi Singh	9 th	Vaishnavi
41	Sabina Sunar	9 th	Sabina
42	Deepika Thaganna	9 th	Deepika
43	Tasmiya Chandakinnakar	8 th	T.H.C
44	Tapasya Suraj Borkar	8 th	Tapasya
45	Rukhsana Begum	8 th	Rukhsana
46	Prem Jadhav	8 th	Prem
47	Saniya Muawar	8 th	Saniya
48	Poiti Kumari	8 th	Poiti
49	Anushka Kujur	9 th	Anushka
50	Khushi Nishikantkarna	9 th	Khushi
51	Palak Shabbir Shaik	9 th	Palak
52	Sneha muttiang	9 th	Sneha
53	Neha	9 th	Neha
54	Jasmine Banu	9 th	Jasmine
55	Vaibhavi Bhomkar	9 th	Vaibhavi
56	Sarvi Bhandari	9 th	Sarvi
57	Harish	9 th	Harish
58	Abhinav	9 th	Abhinav
59	Sohan	9 th	Sohan



Photo1. Prof. Jivan Parab giving brief introduction of the programme



Photo 2. Dr. Mridini Gawas conducting session of Vedic mathematics



Photo 3. Dr. Reshma Raut Dessai conducting session on Astronomy and career in science



Photo 4. M.Sc. students explaining electronics model



Photo 5. M.Sc. students explaining electronics model



Photo 6. M.Sc. students explaining electronics model

