

## National Science Day- 2021 Celebrated by GSCST

The Goa State Council for Science and Technology (GSCST) celebrated (observed) Science Day on 02/03/2021 (28/02/2020) in the premises of GSCST. GSCST was celebrating this day every year in the grand way by large gathering of school students and teachers and general public at large. This year 2021 due to Covid-19 pandemic situation in our Goa state it could not possible to organize this day by large gathering. Most of the programmes were organized by online mode. Considering the importance of the day the GSCST celebrated/observed this day in GSCST office with the officials of GSCST and Goa State Bio diversity Board on 02/03/2021. At the beginning, the Project Investigator Shri. Sanjeev Chodankar welcomed the gathering and briefed out the importance of the day and highlighted the contribution of great Scientist Sir C.V. Raman. To give respect and tribute to a great Scientist Sir C.V. Raman the programme begins with by offering garlands to his photos at the hands of GSCST Member Secretary, Prof. Pradeep Morajkar and other participants offered a flower.

On this occasion online State Level poster and Quiz competitions were organized to various institution of Goa State. 33 Schools have been participated for the both competition on the related theme of the NSD **“Future of STI: Impacts on Education, Skills and Work”**. The Schools have been requested to draw the poster and submit to GSCST office. Quiz competition organized by online mode and shortlisted best 7 winners for on stage oral quiz held during the valedictory function on 24/03/2021 and selected best 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4 consolation prizes. The oral onstage quiz competition conducted by Shri. Naguesh Sardessao. Sr. Teacher of People's Hr. Sec. School, Mala, Panaji, Goa. The poster competition judged by Shri Kalidas Satardekar, Drawing Teacher of Govt. High School, Sadar, Ponda.

The Valedictory function was held on 24<sup>th</sup> March 2021 at Goa Chambers of Commerce & Industries, Panaji. All the prize winner along with Guide teachers and parents attended the function. The programme comprises of Lecture, Onstage oral Quiz

competition followed with valedictory function. At the beginning, Shri Sanjeev Chodankar, Project Investigator welcomed the gathering and the Resource person Dr. I.K. Pai. Ex. Professor and Head of Department, Zoology, Goa University, Taleago delivered the lecture on the NSD theme **“Future of STI: Impacts on Education, Skills and Work.**

**The below mentioned schools were participated for NSD 2021.**

Sr. No.	Name of the participants		Name of the School
1.	Teacher	Mr. Prasad P. Shetgaonkar	Harmal Panchkroshi High School, Harmal, Pernem, Goa.
	Student	Miss. Hrilekha H. Naik	
	Student	Mast. Amey Sunil Bhosle	
2.	Teacher	Mr. Vishwesh Fatrekar	Mahalaxmi High School, Kudne, Sankhalim, Bicholim, Goa.
	Student	Miss. Yojana Krishna Malik	
	Student	Aastha Sirsat	
3.	Teacher	Mrs. Ninoshka V. Cotta De Rego	St. Lawrence High School, Agassaim, Tiswadi.
	Student	Divyeta D. Naik	
	Student	Reeta Kumari	
4.	Teacher	Mahendra Bilgogi	G.S. Amonkar Vidya Mandir, Mapusa, Goa.
	Student	Riya Raju Sadekar	
	Student	Shreya Sanjay Burye	
5.	Teacher		Fr. Agnel High School, Pilar, Tiswadi, Goa.
	Student	Royston Gracias	
	Student		
6.	Teacher	Miss. Misba Khan	Anjuman Himayatul Islam High School, Baina, Vasco.
	Student	Aladgiri Muzzamil	
	Student	Harijan Shobha	
7.	Teacher	Mrs. Manisha M. Dhume	Bhatikar Model High School, Margao, Salcete
	Student	Mast. Atharv Kasbekar	
	Student	Miss Siya Rane	
8.	Teacher	Deepika Gawas	Our Lady of Grace High School, Bicholim
	Student	Miss Tanvi Nilkanth Surlikar	
	Student	Mast Avneesh S. Walavalkar	
9.	Teacher	Mr. Shailesh S. Chanekar	Shri Shantadurga High School, Bicholim
	Student	Mast. Nadish Sagar Sawant	
	Student	Nishtha A. P:atwardhan	
10.	Teacher	Deepali S. Gaiganker	St. Joseph Convent High School, Nagoa, Verna, Salcete.
	Student	Miss. Sapna Kumari	
	Student	Valino Rodrigues	

11.	Teacher	Sumant Bandekar	Govt. High School, Morpirla, Quepem
	Student	Mast. Sapnesh S. Velip	
	Student	Aditya B. Velip	
12.	Teacher	Mr. Vidyadhar V. Chari	Mandre High School, Mandre, Pernem, Goa.
	Student	Miss. Sunita Babli Sawant	
	Student	Miss. Saloni ravindra Raut	
13.	Teacher		Shri Saraswati High School, St. Estevam, Tiswadi
	Student	Mast. Sushil M. Gupta	
	Student	Mast. Praveen P. Kamat	
14.	Teacher	Sr. Valentina Vaz	St. Joseph Vaz High School, Sancoale, Cortalim, Mormugao
	Student	Rogul Nadar	
	Student	Amitesh Singh	
15.	Teacher	Mr. Laxman P. Phadte	V.D. & S.V. Wagle High School, Mangueshi, Ponda.
	Student	Shriyash S. Kuttiker	
	Student	Nahush H. Adhyapak	
16.	Teacher	Ms. Rima Sawal	Vidhya Vihar High School, Thana, Cortalim, Mormugao.
	Student	Ms. Lkshita Anant Ravut	
	Student	Ms. Kezia Liza Fernandes	
17.	Teacher	Presscy Fernandes	Perpetual Succour Convent High School, Navelim, Salcete.
	Student	Miss. Scarlett E. Fernandes	
	Student	Miss. Rhea Rodrigues	
18.	Teacher	Mrs. Jasmine Fernandes	St. Michael Convent High School, Anjuna, Bardez, Goa.
	Student	Miss. Stacie D'Souza	
	Student	Mast. Jay Sugar	
19.	Teacher	Mrs. Smita Bandodkar	A.J.de. Almeida High School, Ponda, Goa.
	Student	Miss. Riya Naik	
	Student	Mast. Supash V. Chodankar	
20.	Teacher	Ms. Ruchira Xavier	St. Anne's High School, Quellossim, Mormugao
	Student	Zenio Fernandes	
	Student	Alica Colaco	
21.	Teacher	Mrs. Sherly George	St. John of the Cross High School, Sanquelim, Bicholim
	Student	Ravisha R. Madkaiker	
	Student	Vrushabh Usapkar	
22.	Teacher	Mrs. Nerissa Coutinho	Mahila & Nutan English H.S., Margao, Salcete.
	Student	Krishnanath A. Pai Angle	
	Student		
23.	Teacher	Mr. Thankachan M.C.	Lourdes Convent High School, Saligao, Goa.
	Student	Samuel Elias De Souza	
	Student	Antonio M.D.R. Pinto	
24.	Teacher		Shri Shradhanand Vidyalaya, Paingin, Canacona
	Student	Mast. Prathamesh Dessai	
	Student	Mast. Aryan Komarpant	
25.	Teacher	Mr. Ajit Gaonkar	Unity High School, Valpoi, Sattari
	Student	Arika Khan	
	Student	Mubashira Nadaf	

26.	Teacher	Mrs. Sonam Chodankar	M.I.B.K. High School, Khandepar, Ponda.
	Student	Miss Zainab Mustafa	
	Student	Miss. Harshada Manojkumar	
27.	Teacher	Mrs. Celina Fernandes	St. Anne's Institute, Agonda, Canacona
	Student	Miss. Swarangi Pagi	
	Student	Miss. Riya D. Pagi	
28.	Teacher	Gadenia	Fr. Agnel Multipurpose High School, Verna, Salcete, Goa.
	Student	Miss. Anis Chandra Prasad	
	Student	Mast. Nyzle Noah Rebello	
29.	Teacher	Peter Pereira	Loyla High School, Margao, Salcete.
	Student	Ethan Savio Coutinho	
	Student	Ryan Dias	
30.	Teacher	Agnelo Fernandes	Miracles High School, Sanguem, Goa.
	Student	Mast. Austin Gomes	
	Student	Ms. Zafiah Sayad	
31.	Teacher	Mr. Kamble	Shree Bhagwati High School, Pernem.
	Student	Mast. Yash V. Methar	
	Student	Miss. Neha Korgaokar	
32.	Teacher	Mr. Shankar Govekar	St. Brito High School, Mapusa, Bardez, Goa.
	Student	Aryan Arolkar	
	Student	Saish Parsekar	
33.	Teacher	Reema S. Morudkar	Vikas High School, Valper, Virnoda, Pernem
	Student	Samvi G. Morudkar	
	Student	Nikita N. Naik	
34.	Student	Suvaradhan Gaitonde	People's High School, Mala, Panaji.





Students answering on stage Quiz competition and participants

Based on their participation seven best entries in each competition were shortlisted by the judges and awarded with prizes.

**The result of the said competitions is as under: -**

### **Quiz Competition**

1<sup>st</sup> Prize: – Mast. Krishnanath Pai Angle, Mahila & Nutan High School, Margao, Goa.

2<sup>nd</sup> Prize: – Miss. Scarlett Esther Fernandes Perpetual Succour Convent High School, Navelim, Salcete, Goa.

3<sup>rd</sup> Prize: - Mast. Suvadhan Gaitone, People's High School, Mala, Panaji, Goa.

### **Consolation Prizes**

1<sup>st</sup> Consolation: - Mast. Royston Gracias, Fr. Agnel High School, Pilar, Tiswadi, Goa.

2<sup>nd</sup> Consolation: Mast. Supash Chodankar, A.J.de Almeida High School, Ponda, Goa.

3<sup>rd</sup> Consolation: Mast. Nadish Sagar Sawant, Shri Shantadurga High School, Bicholim, Goa.

4<sup>th</sup> Consolation: Mast. Atharv Kasbekar, Bhatikar Model High School, Margao, Salcete.

## Poster Competition

1<sup>st</sup> Prize: - – Miss. Sunita Babli Sawant, Mandr High School, Mandre, Pernem, Goa.

2<sup>nd</sup> Prize: – Mast. Nadish Sagar Sawant, Shri Shantadurga High School, Bicholim, Goa.

3<sup>rd</sup> Prize: - Miss. Pari Saroj Chopdekar, Mahila & Nutan English High School, Margao, Salcete

## Consolation Prizes

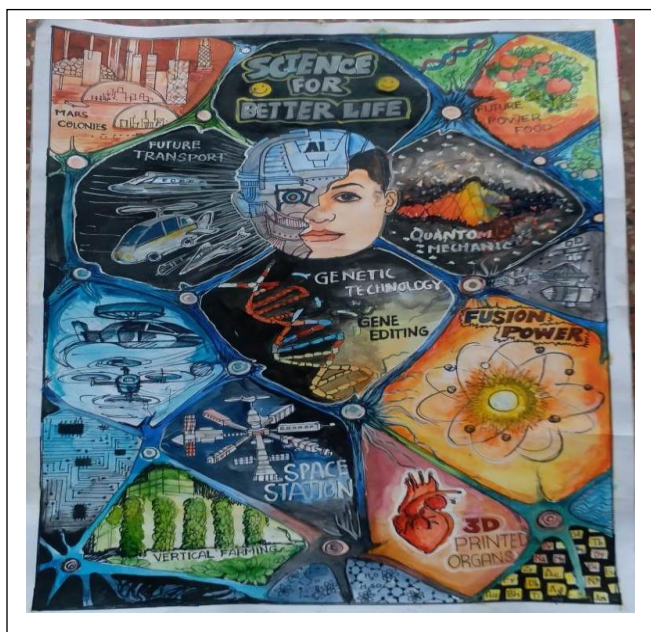
1<sup>st</sup> Consolation: - Miss. Yojana Krishna Malik, Mahalaxmi High School, Kudne, Sanquelim, Bicholim Goa.

2<sup>nd</sup> Consolation: Miss. Alica Colaco, St. Ann's High School, Quellossim, Mormugao, Goa.

3<sup>rd</sup> Consolation: Miss. Tanvi Nilkanth Surlikar, Our Lady of Grace High School, Bicholim, Goa.  
Morpirla, Quepem, Goa.

4<sup>th</sup> Consolation: Mast. Sapnesh S. Velip, Govt. High School, Morpirla – Quepem.

## Poster Competition



1<sup>st</sup> Prize



2<sup>nd</sup> Prize



3rd Prize

Consolation prize



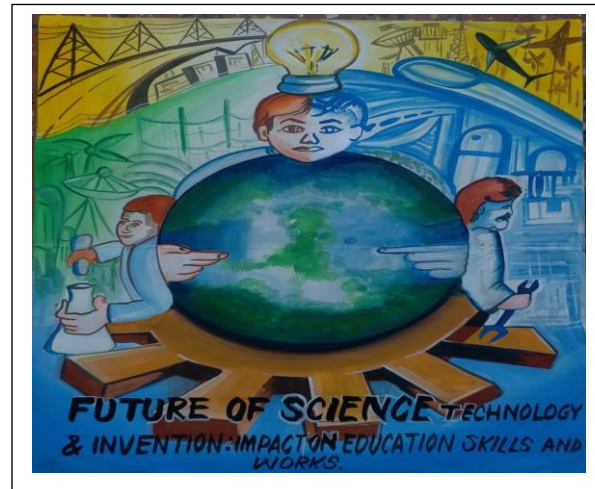
1<sup>st</sup> Consolation



2<sup>nd</sup> Consolation



3rd Consolation



4th Consolation



At the valedictory programme prizes and participation certificates were awarded at the hands of Chief Guest Dr. I.K. Pai, Ex. Professor and Head of the Department Zoology, Goa University, Talegao, Goa & Shri. Pradeep Morajkar, Member Secretary, GSCST, Shrii Naguesh Sardessai, Sr. Teacher, People's Hr. Secondary School, Mala Panaji. Shri. Francisco Lucas compared the programme and proposed vote of thanks, Shri. Pradeep Morajkar, Member Secretary, GSCST, welcome the gathering, Mr. Sanjeev Chodankar, declared the prizes.

The other Educational institutions celebrated NSD-21 and their report is as under:

### 1) Pepetual Succour Convent High School, Navelim, Salcete – Goa



“Science knows no country because knowledge belongs to humanity, and is the torch which illuminates the world. Science is the highest personification of the nation because that nation will remain the first which carries the furthest the works of thought and intelligence.” Through this quote Louis Pasteur ahead of his time captured the essence of this year’s National Science Day theme - **Future of STI: Impacts on Education Skills and Work**”.

The theme highlights the future impact of Science, technology and Innovation in the field of education and work.

Catalysed and supported by the National Council for Science and Technology Communication (NCSTC), Government of India, New Delhi, in association with the Goa State Council for Science and Technology, Saligao, organised the anticipated National Science Day Programme, Science Spark 2021’ on 15 February 2021.

Our knowledge of God is made larger with every discovery we make about the world – Joseph H. Taylor.

Keeping this thought in mind God’s wisdom and guidance was invoked through moments of prayer.

This was followed by the lighting of the traditional lamp and paying a floral tribute to C. V. Raman.



Perpetual Succour Convent has a tradition of designing an innovative scientific lamp, which is made by the budding scientists. The event was declared open using this specially designed lamp that worked on arduino technology and it highlighted the harmony of nature and technology.

The mechanical logo designed as per this year's theme, also worked on the arduino technology to trigger its movement once an MCQ was answered through a mobile app.



Our visionary and vibrant headmistress, Rev. Sr. Liberata Fernandes, welcomed the dignitaries, students and special invitees with her words of insight. She also shared her personal love for Science and willingness to undertake projects that would foster scientific temper and inculcate love for nature among the students. Our honourable Chief Guest, Mrs. Sylvia Fernandes, the Deputy Director of Education, Directorate of Education, Government of Goa, infused the gathering with positivity, through her engaging and inspiring speech.

The resource person for the day was Mr. Padmanabh R. Lotlikar, the Principal of Bhumika Private I.T. I., Arambol, Pernem, enthralled the audience with an array of magic tricks based on

scientific principles.



### Online Activities for Primary Section

**SCIENCE SPARK - 2021**  
**PERPETUAL SUCCOUR CONVENT HIGH SCHOOL, NAVELIM**  
 Will be organizing National Science Day in February 2021  
**THEME : Future of STI: Impacts on Education, Skills and Work**

CLASS	ACTIVITY	TOPIC / THEME	DATE OF SUBMISSION
I	❖ Design play masks, jewellery or headgear. ❖ Materials: Artificial or real plant parts.	PLANT JEWELLERY	10/02/2021
II	❖ Prepare a model on various scientific concepts	THE SCIENTIST IN ME	10/02/2021
III	❖ Design a poster on the recent advances in astronomy or astronomical events	CELESTICALLY ARTISTIC	30/01/2021
IV	❖ Turn different types of leaves and flowers into a wall hanging or wind chime	NATURE CRAFT	30/01/2021
I-IV	❖ Make a video showcasing your beautiful garden of organic farming/kitchen garden which YOU have grown and nurtured during the lockdown period ❖ Duration: 1 min	NOURISH TO FLOURISH	20/01/2021

**Note**  
 • Posters, plant jewellery and models are to be submitted in school on the date of submission.  
 • The video is to be forwarded to the EVS teacher.  
 • The winners of various competitions will be felicitated on Science day.  
 • All the activities mentioned above are compulsory and will be assessed as a part of E.V.S assignment.

SR. LIBERATA FERNANDES  
HEADMISTRESS

## Online Activities for Secondary Section

<p style="text-align: center;"><b>SCIENCE SPARK - 2021</b></p> <p style="text-align: center;"><b>PERPETUAL SUCCOUR CONVENT HIGH SCHOOL, NAVELIM</b></p> <p style="text-align: center;">Will be organizing National Science Day in February 2021</p> <p style="text-align: center;"><b>THEME : Future of Science, Technology and Innovation (STI):</b> <b>Impacts on Education, Skills and Work</b></p>			
CLASS	ACTIVITY	TOPIC / THEME	DATE OF SUBMISSION
V	<ul style="list-style-type: none"> <li>❖ Monologue on a scientist's life or any scientific entity.</li> <li>❖ Create a video duration 1 min</li> </ul>	I AM IT	20/01/2021
VI	<ul style="list-style-type: none"> <li>❖ Display of simple science experiments/ tricks/ games/ activities, explaining scientific principles behind it.</li> <li>❖ Create a video duration approx. 5 min</li> </ul>	THE EINSTEIN IN ME	20/01/2021
VII	<ul style="list-style-type: none"> <li>❖ Design a poster on the Impacts of Science and technology on Education and Work</li> <li>❖ Size: chart paper</li> </ul>	FUTURISTIC EDUCATION	1/02/2021
VIII	<ul style="list-style-type: none"> <li>❖ Create an Innovative scientific static/ working model of a toy.</li> </ul>	NO WORK, ALL PLAY	1/02/2021
IX	<ul style="list-style-type: none"> <li>❖ Design a working/ static model explaining any science concept using eco-friendly material</li> <li style="text-align: center;"><u>OR</u></li> <li>❖ Create a working model on the theme Innovation and sustainability of resource</li> </ul>	DREAM TECH!	10/02/2021
V - X	<p><u>Achiever's Test</u></p> <ul style="list-style-type: none"> <li>❖ Science syllabus prescribed for the respective classes and general knowledge questions in the field of science</li> </ul>	SCINOGEN	04/02/2021
V- x	<ul style="list-style-type: none"> <li>❖ Make a video showcasing your beautiful garden of organic farming/kitchen garden which YOU have grown and nurtured during the lockdown period</li> <li>❖ Duration:1 min</li> </ul>	NOURISH TO FLOURISH	20/01/2021

## Science Spark 2021 held at Navelim Perpetual Succour Convent HS

**PANJIM:** The National Science Day celebration – Science Spark 2021 was held at

Perpetual Succour Convent High School, Navelim. Science Spark 2021 ignited the young minds to outshine by



unleashing the scientist in them. The event was graced by Sylvia Fernandes, deputy director of Education. A mechanical logo was designed as per the theme "Future of STI: Impacts on Education, Skills and Work" for National Science Day 2021. The logo worked on arduino technology to trigger the movement once an MCQ was answered through a mobile app. Headmistress Sr Liberata Fernandes welcomed the dignitaries and students. Resource person Padmanabh Lotlikar tickled the minds of everyone with an array of magic tricks based on scientific principles. Students Meredith Gracias, Sherwin Rodrigues and FemigoCarvalho excelled at presenting their innovative projects. The winners in various categories were rewarded with certificates and trophies.

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## 2) Vidya Prabodhini Higher Secondary School, Vidyanagar, Porvorim, Bardez, Goa

The National Science Day of vidya prabodhini higher secondary school Parvari Goa. Catalysed and Supported by National council for science and technology communication, DST, Govt. of India, New Delhi followed by with the support of Goa state council for science and Technology, saligao,. Goa under the theme " Future of STI : impact on Education , skill and work". was held on Saturday 06 March 2021.

Due to covid19 pandemic situation in the state the programme was organised as video making of E- media presentation competition on the above mentioned theme with topic **ROLE OF SCIENCE AND TECHNOLOGY IN SUSTAINING HUMAN LIFE DURING CORONA PANDEMIC** to make student adaptive in online platform situation. This activity was conducted on 5th march 2021. for near locality schools(super school complex parvari). On the same day we conducted **Chart making competition** for student of XI science on topic **INCRADIBLE INDIA**. In this 18 charts were made on different subtopics to induce scientific temperament and subject affiliation in students of std XI science. All informative charts were displayed on the National science day celebration.



About inaugural function: Project co-ordinator of science centre Miramar Goa Shri. Venkat Durgaprasad honoured the chair of chief guest on valedictory function on the eve of NSD. Master of ceremony function was chemistry teacher Sau. Shreya Kale who has been assisted by our all teaching and nonteaching staff along with students. Welcome and introduction of function was done by science coordinator sau. Shubhangi Agni. Introduction of guest was done by principal Shri. Damodar Mardolkar sir. Prize Distribution and announcement was shouldered by computer science teacher Shri. sanjay sawaikar with his team . Manager of Prabodhan Education society Shri.Datta. B Naik guided student on ancient science technology. 'Opportunity

knock the door once give your fullest when need of time, success will be follow you' key words by chief guest Shri. Venkat Durgaprasadji. vote of thanks was given by Biology teacher kum. Saylee Bhandodkar.

Teachers from different sections, Students of IX, X, XI, parents, Management member, eminent people from community, Reporters, participants for both competitions attended the NSD celebration.

About E- Media presentation competition : Master planner of competition, was our computer science teacher Shri. Sanjay Sawalkar who has been assisted by all nonteaching staff along with students. It was video making of PPT made by students. 20 students from 10 different schools were participated in competition. 04 students got different prizes. The purpose of conducting the competition was achieved.

About Chart making competition: Master planner of the chart making competition was Sau. Shubhangi Agni. 18 charts on the theme 'Incredible India!' were designed by XI Sci students on the eve.

Name of students	CHART NUM	TOPIC OF CHART
Daksha Vaughan Arman	2	Rushi Kanad and his Contribution to science
Abhishek Gawde Hrishikesh Ishan	7	Ancient laboratories and tools
Abhay Soham Falgun	5	Great mathematician Shrinivas Ramanujan And his contribution in maths
Shoheb Abhishek vishwakarma	18	Electronics and technology in pre independence
Vivek Rohan Aman	3	Charak and patanjali
Raj Archit	4	Varahmihir and his contribution to science
Om kandolkar Hazzarat Ali	8	Pre independence and chemistry (metallurgy)
Om singh Muralidaran	9	Beginning of Indian astronomy
Dyaneshwari Pranaya Krisha	10	Biotechnology and ancient India

Swati Ankita Suchitra	11	Oceanography, ship building in ancient India
Siddhi Anna	17	Atomic energy in ancient India
Anisha Alka Aliya	6	Arybhata and his contribution to science
Saloni Pranali Lakshata	12	Space and pre independence India
Riya Gayatri Shreya	13	Farming technique and fertilizer in ancient India
Chaitali Devashree Swara	16	Pharmacy in ancient India
Tanvi Sweta Ishika	15	Medical Genetics In Ayurveda in ancient India
Arpita Vanshika Anchal	14	Microbiology and Parasitological Medicine in ancient India
Yeshraj Rigved Mallikarjun	1	Rushi shushrut and his contribution to science

### **Result of both competition**

<b>Chart making competition</b>			
Prizes	Names	Place	Topic
Consolation	Arman Chopdekar Daksha Singh Voughan D' Souza	I	Rishi Kanad And his Contribution in Science
	Abhay Gajam Falgun Priolkar Soham Walavalkar	II	Shrinivas Ramanujan Great mathematician
	Swati Rekham Ankita Sanadi	III	Ship Building in Ancient India

	Suchitra Sarang		
Merit Prizes	Yashraj Bhosale Rigwed Borkar Mallikarjun Koli	First place	Rishi Sushrut and his contribution To science
	Saloni Muthwadi Pranali Gawandi Lakshata Pednakar	Second Place	Space &Pre independence India
	Devashree Dalvi Chaitali Aajgaonkar	Third Palce	Pharmacy in Ancient India
Result of E-media Presentation Competition	<b>Swarangi D.Gad</b>	<u>Consolation I</u>	L. D. Samant Memorial High School
Merit prizes	<u>First Place</u> <b>Mast Deep Mor</b> Pragati High School , Betim Verem	<u>Second Place</u> <b>Leanee Fernandes</b> Holy Family High Shcool parvari	<u>Third Place</u> <b>Meghraj Kamath</b> Dona Leonar Memorial High School

Lastly we will be more thankful to NCSTC, DST, Govt of India and the Science and technology department Saligao Goa for assisting financially without which the exhibition would not have been to such a great success.



### 3) St. Xavier College, Mapusa Bardez – Goa

The National Science Day 2021 was organized by the Department of Physics, St. Xavier's College, Mapusa, Goa in association the Goa State Council for Science and Technology, Saligao, Goa and sponsored by National Council for Science and Technology Communication, New Delhi 110016 on 26<sup>th</sup> and 27<sup>th</sup> February 2021

The Theme of the National Science Day was **“Future of STI: Impacts on Education, Skills, and Work”**. The theme chosen by Govt. Of India was for the purpose of raising public appreciation of the scientific issues involved and the impacts science has on education, skill and work. The celebration consisted of an online poster presentation competition for students of High school and Higher secondary schools from Goa on the theme besides the various objectives for the pursuit of Science education particularly Physics and held on 26<sup>th</sup> and 27<sup>th</sup> February 2021.

There was also a webinar on the topic “Physics as a Career and Advances in the Field of Science” on 26<sup>th</sup> February 2021 .

The judge for the online poster presentation competition was Mr. Sheshgiri Shettigar, Assistant Professor in Physics, DMC college, Assagao, Goa.

The resource person for the webinar as Dr. Prabhakar Palni, Associate Professor, Physics Department, Goa University, Taleigao, Goa.

The number of schools that registered was eight and the number of higher secondary schools was one.

Prizes in terms of a variety of books and assorted stationary were given to winners and to all participants.

The distribution of prizes to winners and other competitors was held on 27<sup>th</sup> February 2021 in the College premises with all SOPs at 11:00am. The Chief Guest of the function was

Fr. Antonio Salema, Administrator of the College. The Principal of the College Prof.(Dr.) Blanche Mascarenhas was the Guest of Honor. Mr. Pradeep Morajkar, Member Secretary, Goa State Council for Science and Technology, Saligao, Goa graced the occasion. Other dignitaries on the dias was Mr. Manoj Salgaonkar, HOD of Department of Physics, St. Xavier's College and the Convenor of the event, Prof. Nelson Lobo.

The event was compered by Ms Abigail De Souza, the co convenor of the event.

<p><b>Registration link :1st - 10th Feb 2021:</b>  <a href="https://forms.gle/mG85R2k3vRmUU5KF9">https://forms.gle/mG85R2k3vRmUU5KF9</a></p> <p><b>Link for the Competition :</b>  <a href="https://meet.google.com/vsk-htcv-zey">https://meet.google.com/vsk-htcv-zey</a></p> <p><b>A webinar by a Resource person:26th February 2021</b></p> <p><b>Online PowerPoint presentations (Higher Secondary School Students):27th February 2021</b></p> <p><b>Online PowerPoint presentations (High School Students):26th February 2021</b></p> <p><b>Declaration of Results:27th February 2021</b></p> <p><b>Prize/Certificates distribution:27th February 2021 (Offline mode)</b></p>	<ul style="list-style-type: none"> <li>• The presentation should be original. Only self-made projects will be accepted</li> <li>• The participant should be able to clearly describe the power-point in not more than 7-8 minutes.</li> <li>• The participant should ensure that he/she has access to the appropriate internet facility with Audio (mic) and Video (camera).</li> <li>• The school should provide the participants' contact detail (including WhatsApp number), photo and e-mail ID.</li> <li>• There will be prizes and participation certificates for all the participants.</li> <li>• Deadline for registration is 10th February, 2021.</li> <li>• The decision of the judges will be final and binding and no queries regarding the same will be entertained.</li> <li>• Only registered participants will be allowed to participate.</li> <li>• No replacement /proxy participant will be allowed.</li> <li>• The identity of the participant will be verified before their entry is accepted.</li> </ul>	<p><b>ONLINE POWERPOINT PRESENTATION</b></p> <p>The Department of Physics of St. Xavier's College is celebrating National Science Day in the last week on February 2021. In view of the same, an online PowerPoint presentation, a competition on the topics :</p> <ol style="list-style-type: none"> <li>1)Science for sustainable development</li> <li>2)Advancements in the field of Science (related to the benefit of mankind)</li> </ol> <p>For the students of Bardez Taluka comprising of two categories, High school and Higher Secondary Schools respectively.</p> <p>Please read details before attempting Registration</p> <p>No additional students will be allowed in any category and no changes will be permitted after final submission of registration.</p> <p>Participant along with one faculty representative from each participating High School and Higher Secondary School for the collection of the participation certificates and mementos.</p>
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#### 4) St. Michael's Convent High School, Anjuna – Vagator – Goa

**“ The Science of today is the technology of tomorrow”**

St. Michael's Convent High school celebrated the National Science Day on 26<sup>th</sup> February in association with Goa State Council of Science and Technology with the theme 'Science, Technology and Innovation : Impact on Education , work and skill'. Mr. Vivek Bodke, Headmaster of Mandrem High School, Mandrem, graced the occasion as the chief guest, while Mr. Sanjeev Chodankar, technical officer from Goa State Council for Science and Technology was the Guest of honour. Mr Dominic Pereira, President of Anjuna Comunidade was the special invitee present on the occasion. A prayer service entitled 'The Unseen union of the universe ' was conducted to invoke God's blessings. A solemn tribute was paid by garlanding the portrait of Sir. C. V. Raman at the hands of Headmistress Rev . Sr, Margaret Rodrigues.

To provide opportunities for the budding scientist and to trigger their scientific mind, various online/offline competitions were conducted to mark the science day

❖ Fancy dress on electronic gadgets	Primary
❖ App Maker Poster	Class V
❖ Science Explorer	Class VI
❖ Quiz Bee	Class VII-IX
❖ Science project(individual)	Class IX- X

Due to the pandemic the first three competitions were conducted online. The videos of the winning students were screened on the science day.

The theme of the national science day was explained to the audience through a PowerPoint presentation which was supported by a video entitled the '**Future technological world**'.

A dance on technology added to the glow of the day and a skit was presented to highlight the importance of technical knowledge in the current situation of pandemic.

The winners of various interschool competitions who brought laurels to the school were appreciated during the function.

Speaking on the occasion, Mr. Vivek Bodke lauded the efforts of the school in inculcating scientific temper and providing opportunities to the students to develop the technical Newness. Certificates and prizes were awarded to the winners of all the competitions.



## Quiz Bee

An inter house Science quiz Competition was conducted with four participants from each of the four houses. The quiz was based on General Science. The Green House students were the winners while the yellow house were the runners up

## Power Point Presentation on "Future of STI: impact on education work and skills"

Ms. Pearl Fernandes with her presentation gave an insight into impact of technology on education work and skills

Some of the glimpses of the program



## **5) S.S Angle Higher Secondary School, Mashem, Canacona - Goa**

National Science Day 2021 was observed at S.S.Angle higher secondary school, Mashem Canacona Goa on 19<sup>th</sup> and 20<sup>th</sup> February 2021. The event received overwhelming response from all the schools and Higher secondary schools from Canacona Taluka.

The competitions were held with science based theme in the events like Street Play with the theme, “Changing Food habits and Ill effects”. Group singing Competition based on the theme “Our health and Biodiversity”, Science Quiz, science project on the theme “ Science for Healthy Living”. Cloth Painting on the theme “Our Environment our Responsibility”.

The two days event was attended by the students and Teachers from schools and Higher secondary schools from Canacona. Total 550 participants participated in the two days event.

The Principal of S.S.Angle Higher Secondary School, Mr. Hemant Kamat and Program coordinator Mrs. Chandralekha D. Mestri inaugurated the function.

Dr. Navjyot Aldonka delivered a talk on the topic, “Health care during Adolescence” for all the participants.

Mr Paresh Parob, Assistant conservator of Forest was invited as the chief guest for the prize presentation ceremony. Other Dignitaries who were present on the dias for the prize presentation ceremony were, The chairman of Shri Nirakar Education Society, Mr. Prashant M. Naik, Principal Of S.S.Angle Higher Secondary school Mr. Hemant Kamat, Manager Mrs. Urmila Lolyekar and the program coordinator Mrs. Chandralekha D. Mestri.

The entire team of S.S.Angle Higher Secondary School took an effort to make the event successful.

The winners in the various events are as follows.

### **1. Street Play Competition:**

first prize- Shri Shraddhanand Vidhyalaya

Second Prize: Shri Nirakar Vidhyalaya, Mashem.

Third Prize- St. Sebastian High School Loliem.

### **2. Cloth Painting:**

first prize- Government High School Gaondongri.

Second Prize: Govt. High School Sadolxem

Third Prize- Shri Katyayani Baneshwar Vidyalaya.(shared)

Third Prize- Shri Shraddhanand Vidhyalaya (shared)

### **3. Science Project:**

First Prize- SNE Society's Tudal High School

Second Prize: St. Anthony High School, Galjibaga.

Third prize- Balram A Day Care School.(shared)  
Third prize- St. Anne's Institute Agonda (shared)

#### 4. Science Quiz :

first prize- Shri Shraddhanand Vidhyalaya  
Second Prize- Shri Mallikarjun Vidhyalaya  
Third prize: Shree Balram Residential High School

#### 5. Group singing Competition

First prize- Shri Shraddhanand Vidhyalaya  
Second Prize- Shree Balram Residential High School  
Third prize: Shri Nirakar Vidhyalaya, Mashem (shared)  
Third Prize: Shri Damodar Vidyalaya, Ioliem (shared)

The Event was organized by Satyawati Soiru Angle Higher Secondary School, Mashem-Canacona Goa, catalyzed and supported by National Council for Science and Technology communication (NCSTC), DST, Govt. of India, New Delhi, followed with the support of Goa State Council of Science and Technology, Saligao Bardez Goa.  
The entire program was planned and executed by the program coordinator Mrs. Chandralekha Damodar Mestri.



## **6)St. Britto High School, Mapusa, Bardez – Goa**

On the occasion of Science Day to commemorate the Anniversary of C.V. Raman, Science club of St. Britto High School have organised at the state level. Power point presentation on 25<sup>th</sup> February 2021 and 27<sup>th</sup> February 2021 at St. Britto High School Mapusa.

The Activity was supported and catalysed by National Council for Science and Technology Communication Government of India, New Delhi in association with the state council for science and technology Govt of Goa.

The theme for the competition was Innovative ways of using science and technology in the field of science.

All together 10 schools from different parts of Goa participated in the competition.

Name of the school.

Holy Cross High School – Siolim

St. Thomas Girls School – Aldona

Saraswat Vidyalaya Khorlim – Mapusa

Little Flower of Jesus High School – Calangute

St. Anthony High School, Monte de Guirim.

Assagao Union High School – Assagao

St. Thomas Boy's High School – Aldona

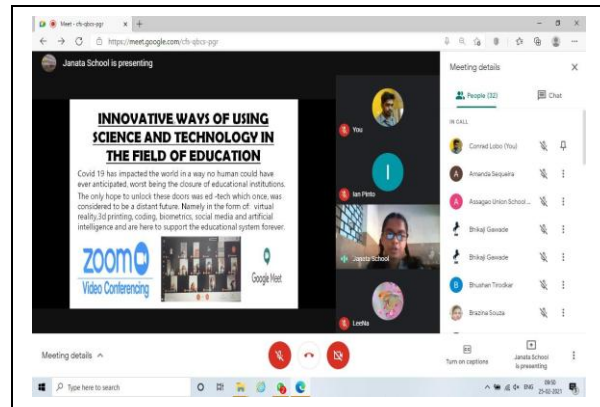
Dyanprasarak High School – Mapusa

Janata High School – Mapusa

St. Mary's High School – Mapusa

Due to the Covid- 19 pandemic situation in the state the competition was organised on 25/02/2021 online mode and was done on 27/02/2021.

The competition saw various students present their views with the help of a power point presentation. The judges Mrs Elaine da Costa (St. Xavier's College) and Mr Thankachan M-C (Lourdes Convent Calangute) not only scored the contestants on their presentation but also engaged them in an interactive question and answer. Finally master Shounak Sardesai of Saraswat Vidyalaya Mapusa won the 1<sup>st</sup> place followed by master Joshua Fernandes of St. Thomas Boys High School Aldona secured the 2<sup>nd</sup> place and miss Ann Felicidade Nazareth of St. Thomas's Girls High School the 3<sup>rd</sup> place.



On 27<sup>th</sup> February an award ceremony was held. The chief guest for the ceremony was Fr. Simon DeMello, the headmaster of St. Britto High School. The guest of honour was Mr. Sanjeev Chodankar, the project co-ordinator of the Goa state council for science and technology.

He addressed the gathering and expressed great pleasure at being there and stressed the importance of creating such a platform for young minds to come up with such innovative solutions to existing problems.

Master Shounak Sardesai of Saraswat Vidyalaya Mapusa made a visual presentation on the award ceremony day.



The event ended with lunch.

The day was well spent with young minds presenting solutions towards educational problems.

## **7)Shree Mallikarjun and Shri Chetan Manju Desai College, Delem Canacona-Goa**

The National Science Day 2021 was celebrated at Shree Mallikarjun and Shri Chetan Manju Desai College in association with National Council for Science and Technology and the Goa State Council of Science and Technology on 27<sup>th</sup> Feb 2021 at Canacona, Goa.

The National Science Day is celebrated in India to commemorate the award of the first Nobel Prize to Indian scientist Sir C V Raman, for the discovery of the 'Raman Effect'. This day is celebrated to emphasize the culture of science for the wellbeing and prosperity of mankind. To celebrate this occasion Shree Mallikarjun & Shri Chetan Manju Desai College in following events.

1. Know and Grow: On this occasion, we acknowledge the contribution of three 'Indian Scientists' (Prof. Sheshnath Bhosle, Prof. Rodney Fernandes, and Prof. Sundar Dhuri) who have marked their footprints at the international level. The invited talks with the theme 'Know and Grow' indent to give more insights about the theme of this year's National Science Day, 'Future of Science, Technology and Innovation (STI): Impacts on Education, Skill and work'.
2. The Magic of Science: The Magic of Science is a competition for students that intends to develop scientific temperament and create general awareness among society. The working model explains a concept, principle, process, or application of basic principles of science and technology.
3. Science in Surrounding: The Science in Surrounding is a photography competition that should have a scientific title and explanation of 50 words about the photograph.
4. Mask painting: Mask painting competition for the students was hosted with themes, Technology for people, Nobel people in technology and COVID-19 impact on the Indian economy.
5. Selfie with Science: The Selfie with Science is a selfie competition that intends to share the thoughts and inventions of various scientists across the globe.

Below are some pictures of the event. More about the event can be seen on Facebook link([Mithil Fd - #Nationalscienceday2021... | Facebook](#)) and youtube video link(<https://youtu.be/eV7avH2T23U>).

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- 2. The Magic of Science:** The Magic of Science is a competition for students that intends to develop scientific temperament and create general awareness among society. The working model explains a concept, principle, process, or application of basic principles of science and technology.



**3. Science in Surrounding:** The Science in Surrounding is a photography competition that should have a scientific title and explanation of 50 words about the photograph.

**4. Mask painting:** Mask painting competition for the students was hosted with themes, Technology for people, Nobel people in technology and COVID-19 impact on the Indian economy.





## **Acknowledgment**

The Shree Mallikarjun & Shri Chetan Manju Desai College sincerely thank the National Council for Science and Technology and the Goa State Council of Science and Technology for financial support.

## 8)Vidhya Vihar High School, Thana Cortalim – Goa.

Vidhya Vihar High School, Thana Cortalim celebrated the National Science Day 2021 based on the theme Innovation and Technology for the three consecutive days. The event was supported by National Council of science and Technology communication Government of India, New Delhi, in association with Goa State Council for Science and Technology, Saligao.

The event was graced by Dr. ShradhaPatil MBBS, DGO, Obstetrician and Gynecologist. Students from neighboring schools engaged themselves with lot of enthusiasm in various competitions.



The details of the competitions held for the three days are as follows:

### **Day -1(4<sup>th</sup> March 2021)**

Competitions held and the judges invited for the day:

#### **1) Quiz contest:**

Judges: Ms. Shefali Lendhay ( Science teacher - Vidhya Vikas High School)

Winners: Keshav Smruti High School: Mast. Ashutosh Mahabal

Mast. Gaurav Galve

Ms. Sakshi Lamani



## 2)Poster competition:

Judges: Ms. Shefali Lendhay ( Science teacher - Vidhya Vikas High School)&  
Ms. Vidhya G. Satardekar (Special Educator – New Dawn Ashadeep School)

Winners:

1<sup>st</sup> Place – Jasal Lucas of St. Ann's High School, Quellosim

2<sup>nd</sup> Place – Lerisa Lucas of Vidhya Vihar High School, Cortalim

3<sup>rd</sup> Place - Alica Colaco of St. Ann's High School, Quellosim



### **3)Photography competition (online mode):**

Judges: Mr. Mauvin Rodrigues (Freelance Photographer)

Winners: Category A

1<sup>st</sup> Place – Mast Manish Devadiga of St. Joseph Vaz High School, Sancoale

2<sup>nd</sup> Place – Ms. Vinora Carvalho of St. Joseph Vaz High School, Sancoale

3<sup>rd</sup> Place -Mast Manthan Rane of Vidhya Vihar High School, Cortalim

Category B

1<sup>st</sup> Place – Ms. Nikita Bisht of Keshav Smruti High School, Alto-Dabolim

2<sup>nd</sup> Place – Mast Manjunath Marathe of Keshav Smruti High School, Alto-Dabolim

3<sup>rd</sup> Place – Ms. Sanjana Singh of Vidhya Vihar High School, Cortalim

### **4)One Minute talk (online mode)**

Judges: Ms. Netra Kelkar (Retired Professor)

Winners: Category A

1<sup>st</sup> Place – Mast. Surya Bhutia of St. Joseph Vaz High School, Sancoale

2<sup>nd</sup> Place – Mast. Anirudh M.S of St. Joseph Vaz High School, Sancoale

3<sup>rd</sup> Place – Ms. Anaida Sequeira of Our Lady of Perpetual Succor High School, Cortalim

Category B

1<sup>st</sup> Place – Ms. Preeti Sutar of Keshav Smruti High School, Alto-Dabolim

2<sup>nd</sup> Place – Ms. Sejal Pol of St. Ann's High School, Quellosim

3<sup>rd</sup> Place – Ancika Colaco of St. Ann's High School, Quellosim

Category C

1<sup>st</sup> Place – Ms. Shelma Coutinho of Our Lady of Perpetual Succor High School, Cortalim

2<sup>nd</sup> Place – MS. Astria Lucas of St. Ann's High School, Quellosim

3<sup>rd</sup> Place – Mast. Vedant Bhabale of St. Ann's High School, Quellosim

## **5) Drawing competition (online mode)**

Judges: Ms. Vidhya G. Satardekar

Winners: Category A

1<sup>st</sup> Place – Ms. Janice Mendes of Our Lady of Perpetual Succor High School, Cortalim

2<sup>nd</sup> Place – Mast Caelan Mendes of Our Lady of Perpetual Succor High School, Cortalim

3<sup>rd</sup> Place -Mast Vishal Mali of St. Ann's High School, Quellosim

### Category B

1<sup>st</sup> Place – Ms Neha Naik of Our Lady of Perpetual Succor High School, Cortalim

2<sup>nd</sup> Place – Ms Julia Xavier of Our Lady of Perpetual Succor High School, Cortalim

3<sup>rd</sup> Place -Mast Sairaj Shinde of Vidhya Vihar High School, Cortalim

## **Day- 2 (5<sup>th</sup> March 2021)**

Competitions held and the judges invited for the day:

### **1) Rangoli competition:**

Judges: Dr. Krupa Kelkar – Ayurvedic Doctor &  
Mr. Shivaji Kethavath- Branch Manager of Bank of Baroda.

Winners:

1<sup>st</sup> Place – MS. Suhani Boli of St. Joseph Vaz High School, Sancoale

2<sup>nd</sup> Place – Ms. Pranjali Setkar of Our Lady of Perpetual Succor High School, Cortalim

3<sup>rd</sup> Place -Ms. Amisha Rane of Vidhya Vihar High School, Cortalim

### 1) Power point presentation:

Judges: Ms. Rachel Noronha – ADEI, Mormugao Taluka &  
Dr. Krupa Kelkar- Ayurvedic doctor.

Winners:  
1<sup>st</sup> Plaace

Vidhya Vihar High School, Cortalim	Ms. Sneral Sequeira
	Ms. Annaliz Fernandes

2<sup>nd</sup> place

Our Lady of Perpetual Succor High School, Cortalim	Ms. Mast. Raj Majhi
	Mast. Chris D'Souza

3<sup>rd</sup> place

St. Joseph Vaz High School, Sancoale	Ms. Gayatri Bhutkar
	Mast. Chiranjeev Sahoo



### **Day- 3 (6<sup>th</sup> March 2021)**

#### **Science exhibition**

All schools participated with their innovative exhibits. The participants created their own models and brought for display.

The judges for the exhibition were: Mr. SumukhKamat – Creative Product Design Manager and Mr. SarveshKolekar - Researcher in the field of modelling driver behavior.

Winners:

1<sup>st</sup> Place – Mast.Dhanraj Gaonkar and mast.Shubham Prasad of Keshav Smruti High School, Vasco.

2<sup>nd</sup> Place – Mast. Vedant Bhable of Vidhya Vihar High School, Cortalim.

3<sup>rd</sup> Place – Ms. Vaishnavi Bandekar of Vidhya Vihar High School, Cortalim.



## Valedictory Function

Valedictory ceremony was graced by Smt. Alina Saldanha- MLA of Cortalim constituency.

The honoured guests for the day were Mr.SanjeevChodankar - The Technical officer and Mr. Francisco Lucas – The coordinator for NMD/NSD program.

The winners in various categories were rewarded with certificates and trophies.

The Headmistress Ms. PremalataRathod proposed the vote of thanks.



## 8) Damodar Higher Secondary School, Gudi , Paroda -Goa

Damodar Higher Secondary School, Gudi – Paroda, With the support of Goa State Council for Science & Technology (GSCST), Saligao, Goa, had organized various inter school activities for the schools from Salcete, Quepem, Savordem, Sanguem and Cuncolim talukas during February and March 2021, on the occasion of National Science Day 2021.

The prize distribution function of these activities was held on Tuesday 23<sup>rd</sup> March 2021.

Assistant Director of Education Shri Manoj Sawaikar, was the Chief Guest for the function.

Shri Datta Moni, retired science teacher and Best teacher Awardee, Ms. Sindhu Prabhu Desai Nayak, were the guest of honours for the concluding session.

Total number of 34 schools were invited for the inter school competition ‘Colours of Science’ which included four events:

## **Event 1 Junior Scientist**

**Making of Science Project based on the theme of National Science Day 2021 :**

***“ Future of STI (Science, Technology and Innovation) on Education, Skills and Work”***

*Winner of the Junioor*

## **Event 2.Future Innovator**

Making a Power Point Presentation on the topic

‘ As a student 2 Innovations I would like to do to benefit the humans – and how will I try to achieve my goal’

## **Event 3.Expressions on the Canvas**

Poster Making competition on the topic *“Year 2020 – Covid -19 Pandemic and Innovations ”.*

## **Event 4.A Poet**

*Writing a poem on the topic ‘Poetic reflections of the Year 2020’*

Ravindra Kelekar Dnyanmandir, High School from Margao was the overall winner of the event. Popular High School, Margao was 1<sup>st</sup> runner up at the ‘Colours of Science’ event.

At the beginning of the function, Principal Shri Arvind Kulkarni, welcomed the gathering. Dr. Gajanan Parulekar, Coordinator of the programme gave the brief idea about the entire event.

Judges and the team members of the event were felicitated by the Chief guest Shri Manoj Sawaikar.

Power point presentation on the life of Sir C.V. Raman was done by XI Science students of Damodar H.S.S., Gudi – Paroda.

Chief guest Shri Manoj Sawaikar congratulated the prize winning students and the schools for actively participating in the events. He appreciated the Principal and members of the organizing committee for successful organization of the event.

All the participating students and their guiding teachers were presented by appreciation certificates.

For the Mega event 'Colours of Science' all participating schools were awarded points based on the criteria

1<sup>st</sup> prize 100 points

2<sup>nd</sup> prize 50 points

3<sup>rd</sup> prize 25 points and

Participation 10 points.

Ravindra Kelekar Dnyanmandir, High School from Margao secured total of 500 points and were the overall winners of the event followed by Popular High School, Margao at the 2<sup>nd</sup> place.

## Prize Winners

Event 4.A Poet

*Writing a poem on the topic 'Poetic reflections of the Year 2020'*

1<sup>st</sup> Place

a) Hindi Category

Ms. Pranoti Faldessai, Damodar English High School, Gudi Paroda

b) Marathi Category

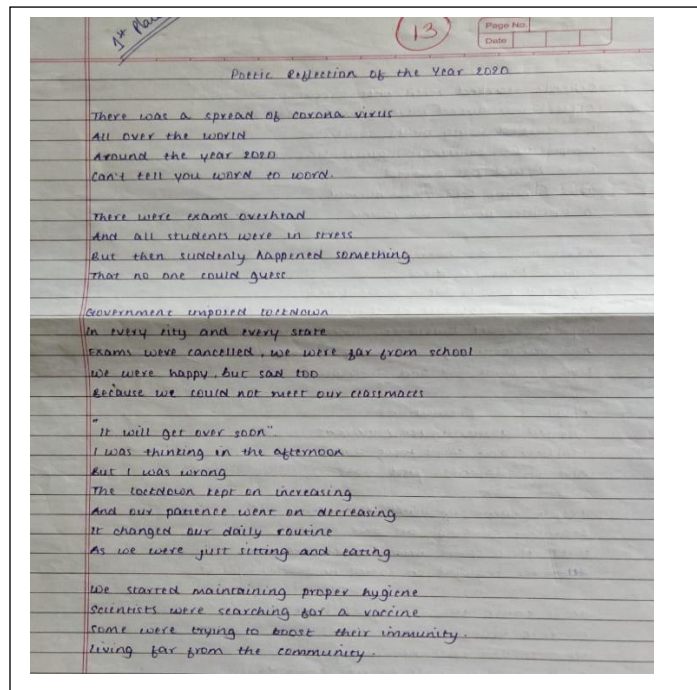
Master Shubham Samir Pinge, Popular High School, Margao, Goa

### c) Konkani Category

Ms. Archana Chavan, Damodar English High School, Gudi Paroda

### d) English Category

Master Anshu Gaundalkar, Ravindra Kelekar Dnyanmandir, High School, Margao .



### Event 3.Expressions on the Canvas

Poster Making competition on the topic "Year 2020 – Covid -19 Pandemic and Innovations "

1<sup>st</sup> place was bagged by Ms. Shravani Volvoikar, from Popular High School, Margao

2<sup>nd</sup> Prize winner was Ms. Purvi U. Pednekar, from Popular High School, Margao

3<sup>rd</sup> Prize winner was Ms. Pari Saroj Chopdekar, from Mahila and Nutan English High School, Margao



## Event 1 Junior Scientist

Making of Science Project based on the theme of National Science Day 2021 :

*“ Future of STI (Science, Technology and Innovation) on Education, Skills and Work”*

1<sup>st</sup> place was bagged by Miss Himaja Hegde Dessai, from Ravindra Kelekar Dnyanmandir, High School Margao

2<sup>nd</sup> Prize winner was Master Dhruv Bhusannavar, from, Ravindra Kelekar Dnyanmandir, High School Margao

3<sup>rd</sup> Prize winner was Master Aron Gomes and Master Clifford Fernandes, from Our Lady Mother of Poor High School, Tilamol, Quepem.

