

National Mathematics Day 2021

National Mathematics Day is known for Srinivas Ramanujan. A self-taught mathematician who made extraordinary contributions to the world of mathematics. S Ramanujan was one of the most influential mathematicians of his time. He was considered as doyen of number theory, infinite series, mathematical analysis and making formulas and equations without any formal training in pure mathematics. As a mathematical genius, he had compiled more than 3900 mathematical results and equations and getting discoveries named after him. His numerous assertions in mathematics opened up new vistas of mathematical research. Along with British Mathematician Hardy, Ramanujan had discovered the smallest number represented as sum of two cubes **1729** which is known as Hardy-Ramanujan number.

He didn't live long but in his short life he compiled more than 3900 mathematical results and equations, and his discoveries namely Ramanujan Prime and Ramanujan theta inspired further research on the subject.

An unparalleled genius and a self-taught mathematician, Ramanujan found his true calling in numbers and made extraordinary contributions to mathematical analysis, number theory, infinite series, and continued fractions.

Objectives-

- 1) To create awareness and develop love and compassion for Science.
- 2) To enhance creativity of students.
- 3) To develop curiosity for various natural phenomenon taking place and to satisfy the same Through hands on activities.
- 4) To promote development of Science talents through quizzes, competitions and screening of audio-visual programmes.

To give wide publicity of these programmes, Goa State Council for Science & Technology, Saligao Goa jointly with other funded Educational Institutions, with the financial support of National Council for Science, Technology & Communication (NCSTC), Department of Science & Technology, GoI, New Delhi taken a keen interest and organised the observance of both the above programmes in the State in a grand way.

The details of the programmeorganised by GSCST and other funded Institutions are as follows: -

National Mathematics Day-2021, Celebrated by GSCST, Saligao, Goa.

The Goa State Council for Science and Technology (GSCST) celebrated (observed) Mathematics day on 22/12/2021 in the premises of GSCST. GSCST was celebrating this dayevery year in the grand way by large gathering of school students and teachers and general public at large. Last year 2020-21 and this year 2021-22 due to Covid-19 pandemic situation in our Goa state it could not possible to organize these days 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.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 mathematician Srinivas Ramanujan. To give respect and tribute to a great Mathematician's Srinivas Ramanujanthe programme begins with by offering garlands to his photosatthe hands of GSCST Member Secretary, Prof. Pradeep Morajkar& Goa State Bio-Diversity Board Member Secretary Dr. Pradeep Sarmokadam and other participants offered a flowers.



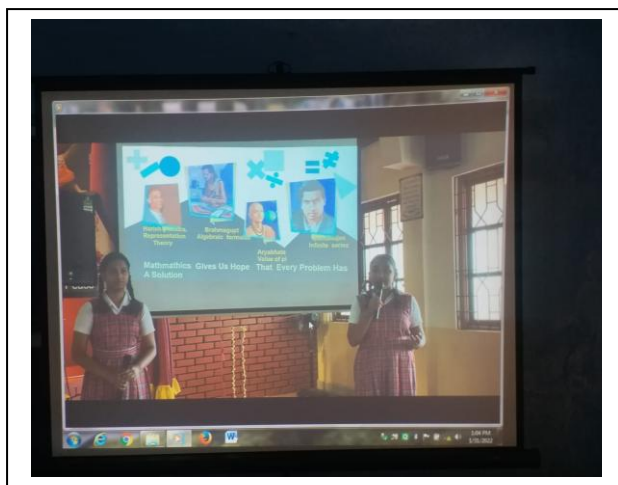
On this occasion a State Level competition on “power point presentation highlighting contribution of Indian Mathematicians was organized for the participating school students from Goa. The Schools have been requested to prepare the video clip and send to our office email. Accordingly 32Videos from various schools of Goa have been received to this office. The evaluator called to this office and finalized the best 7 ppt. for prizes.

The following schools were presented their PPT.

Sr. No.	Name of the participants		Name of the School
1.	Teacher	Mr. Amol V. Despande	Saraswat Vidyalaya, Khorlim, Mapusa, Bardez, Goa.
	Student	Miss. Ruhi Rhushikesh Samant	
	Student	Miss. Arya Amit Prabhu Verlekar	
2.	Teacher	Mrs. Sadhana Desai	A. J. de. Almeida High School, Ponda, Goa.
	Student	Miss Anandi Shenvi Kakodkar	
	Student	Miss. Avani Kamat	
3.	Teacher	Mrs. Naziya Saif Shaikh	Anjuman Himayatul Islam High School, Baina, Vasco.
	Student	Yadav Pratiksha	
	Student	Shaikh Jasmeen AbdulKarim	
4.	Teacher	Mr. Sandesh Bhagirath Gaonkar	Chubby Cheeks Spring Valley High School, Pilerne
	Student	Amber Mischka Martins-IX	
	Student	Siya K. Salgaonkar -IX	
5.	Teacher	Mr. Tukaram Namdev Naik	Dnyan Prassarak Vidyalay, Mapusa, Bardez, Goa.
	Student	Sairaj Niraj Gad – IX	
	Student	Sandhya R. Vishwakarma - VIII	
6.	Teacher	Mrs. Romana Rodrigues	Don Bosco High School, Tuem, Pernem, Goa.
	Student	Miss. Adhishree Shetye-IX	
	Student	Mast. Yogesh Dev - IX	
7.	Teacher		Fatima Convent High School, Margao, Salcete, Goa.
	Student		
	Student		
8.	Teacher	Ms. Farina Cyria Martins	Holy Spirit Institute, Margao, Salcete, Goa.
	Student	Miss. Tehmina Clement-IX	
	Student	Miss. Aziza Khan - IX	
9.	Teacher	Fr. Jimmy Mendes S. J.	Loyola High School, Margao, Salcete, Goa.
	Student	Ethan Savio Coutinho-IX	
	Student	Nereus Francis D'silva-IX	
10.	Teacher	Miss. Nerissa Antao E. Coutinho	Mahila and Nutan English High School, Margao, Salcete, Goa.
	Student	Miss. Arya R. Mashelkar – IX	
	Student	Miss. Aadya S. Prabhudesai-IX	
11.	Teacher	Mr. Raghunath S. Sawant	Mandre High School, Mandre, Pernem, Goa.
	Student	Mast. Rehan Harmalkar	
	Student	Miss. Saloni Raut	

12.	Teacher	Mrs. Swati Hrishikesh Joshi	M.I.B.K. High School, Kadsal, Khandepar, Ponda, Goa.
	Student	Miss. Arya Raya Sawant-IX	
	Student	Miss. Sumayra Shah -IX	
13.	Teacher	Mrs. Mukta Neil Agshikar	Mushtifund High School, Cujira, St. Cruz, Tiswadi, Goa.
	Student	Miss. Saanvi S. Bhatikar –IX	
	Student	Miss. Vaidehi K. Phadte - IX	
14.	Teacher	Mrs. Ashryl Amalia Mascarenhas	Our Lady Mother of the Poor High School, Tilamol, Quepem, Goa.
	Student	Mast. Sarvesh R. Naik – IX	
	Student	Miss. Simran Shaikh- VIII	
15.	Teacher		Our Lady of Health High School, Cuncolim, Salcete.
	Student		
	Student		
16.	Teacher	Mrs. Sheila Josephina Fernandes	Perpetual Succour Convent High School, Navelim, Salcete, Goa.
	Student	Miss. Manvi Ulhas Gonkar-IX	
	Student	Miss. Veanza Rosanne Sandra Carneiro-VIII	
17.	Teacher	Miss. Krutika S. Kauthankar	Poiria High School, Poiria, Bicholim.
	Student	Mast. Tejas S. Mayekar – IX	
	Student	Miss. Shamita N. Tari - IX	
18.	Teacher		Saraswat High School, Juvem, Tiswadi, Goa.
	Student		
	Student		
19.	Teacher	Mrs. Meera M. Naik	Shri. Saraswati High School, Kavlem, Ponda, Goa
	Student	Miss. Arya Nitesh Naik Bandodkar-IX	
	Student	Miss. Deepal Dasharath Naik- VIII	
20.	Teacher	Mrs. Sandhya Dessai	Sarvodaya Educatioinal Society's High School, Curchorem, Quepem, Goa.
	Student	Miss. Harshal Kadam-IX	
	Student	Mast Pratham Shanbg-IX	
21.	Teacher	Mrs. Gauri Vivek Joshi	Shri. Shantadurga High School, Bicholim, Goa
	Student	Mast. Aarav P. Narvekar-IX	
	Student	Mast. Madhur C. Narvekar- IX	
22.	Teacher	Mr. Neelesh M. Gaonkar	Nirakar Vidyalaya, Mashem, Canacona, Goa.
	Student	Miss. Avni Pednekar – VIII	
	Student	Miss. Prasiddhi Bhandhari - VIII	
23.	Teacher	Mr. Hemant Sawant	St. Joseph Convent High School, Nagoa, Verna, Salcete, Goa.
	Student	Miss. Nikasha Fernandes-IX	
	Student	Mast. Shivam Yadav-VIII	
24..	Teacher	Mrs Arpita S. Lopez	St. Lawrence High School, Agassaim, Tiswadi, Goa.
	Student	Miss. Chrisha Vales –IX	
	Student	Miss. Clarissa Vales-VIII	

25.	Teacher	Mrs. Jashmina Fernandes e Trindade.	St. Michael's Convent High School, Anjunem, Bardez, Goa.
	Student	Miss. Saiesha Betkar – VIII B	
	Student	Miss. Vaibhavi Tamonkar – IX	
26.	Teacher	Samreen Bi Aga	Unity High School, Valpoi, Sattari, Goa.
	Student	Fatima I. Mujawar-IX	
	Student	Ifat A. Mujawar-IX	
27.	Teacher	Mr. Bhagwan B. Gaude	V.D. & S.V. Wagle High School, Mangueshi, Ponda, Goa.
	Student	Miss. Sacita Vishram Samant-IX	
	Student	Miss. Siddhani Sandesh Naik-lx	
28..	Teacher	Mrs. Sangeeta Thomas	Vidhya Vihar High School, Thana, Cortalim
	Student	Miss. Noorsabha Siddiqui-IX	
	Student	Miss. Kartiki More- VIII	
29..	Teacher		Vijayanand High School, Mayem, Bicholim, Goa.
	Student	Miss. Nishma Nakul Insulkar –VIII	
	Student	Miss. Dikshita N. Chopdekar-VIII	
30.	Teacher	Miss. Neha Sawal	. Vikas High School, Valpe, Virnoda, Pernem.
	Student	Anushka Malpekar – IX	
	Student	Vedang Kashalkar - VIII	
31.	Teacher	Mrs. Madhushri Timble	People's High School, Mala, Panaji
	Student	Mast. Ashwin Raj – IX	
	Student	Miss. Saanvi Joshi - IX	
32.	Teacher	Lurdina Borges e Fernandes.	St. Thomas High School, Cansaulim, Mormugao, Goa.
	Student	Nehemiah Sobrinho – IX	
	Student	Swizel Fatima Fernandes- IX	



The result of the said competition is as under: -

Based on their participation seven best presentations shortlisted by the judges were honoured with prizes.

Prizes

1st Prize: - Mast. Amber Mischka Martins-IX&Miss. Siya Krishnanath Salgaonkar –IX, – Chubby Cheeks Spring Vally H.S., Pilerne, Alto Porvorim

2nd Prize: - Miss. Saiesha Betkar – VIII B&Miss. Vaibhavi Tamonkar – IX A– St. Michael’s Convent H.S., Anjuna, Vagator

3rd Prize: - Miss. Manvi Ulhas Gonkar-IX&Miss. Veanza Rosanne Sandra Carneiro-VIII– Perpetual Succour Convent H.S., Navelim, Salcete

Consolation prizes

1stConsolation: -Miss Anandi Shenvi Kakodkar-IX&Miss. Avani Kamat-IX– A. J. De Almeida H.S., Ponda, Goa

2ndConsolation: - Mast.Ashwin Raj – IX&Miss. Saanvi Joshi - IX– People’s H.S., Mala, Panaji, Tiswadi, Goa

3rd Consolation: -Miss. Chrisha Vales –IX&Miss. Clarissa Vales-VIII– St. Lawrence H.S., Agassaim, Tiswadi.Goa.

4thConsolation: -Mast. Sairaj Niraj Gad – IX&Sandhya Ravindra Vishwakarma - VIII– Dnyan Prassarak Vidyalaya, Mapusa, Bardez, Goa.

Mr. Mahabal N. Bhat and Mr. Shivaji Gaonkar from St. Xavier Higher Secondary School, Mapusa, Goa, were the judges.

At the valedictory programme on 16/03/2022 at Goa Chambers of Commerce and Industries, Panaji Goa. Prizes and Participation Certificates were awarded at the hands of Chief Guest Dr. Hari K. Kadam, Asst. Professor (Chemistry), School of Chemical Sciences, Goa University, Taleigao, Goa, Shri. Naguesh Sardessai, Sr. Teacher, People’s Hr. Secondary School, Mala, Panaji, Goa.Shri. Pravin Parab compared the programme, Smt. Brenda Fernandes, Project Scientist, welcome the gathering, Mr. Sanjeev Chodankar, declared the prizes & Mr. Francisco Lucas proposed vote of thanks.



The other Institutions celebrated Mathematics Day-2021 and their report is as under: -

1) Vikas High School, Virnoda –Pernem, Goa

At outset the management, staff and students of Vikas High school are very much thankful to GOA STATE COUNCIL FOR SCIENCE & TECHNOLOGY, SALIGAOCATALYSED & SUPPORTED BY NATIONAL COUNCIL FOR SCIENCE & TECHNOLOGY COMMUNICATION DST, GOVT. OF INDIA, NEW DELHI for providing the opportunity of celebrating the “OBSERVANCE OF NATIONAL MATHEMATICS DAY” for last few years which is helpful for all round development for the students.

This year it was not be possible to organize the “OBSERVANCE OF NATIONAL MATHEMATICS DAY” which was organised in collaboration with GOA STATE COUNCIL FOR SCIENCE & TECHNOLOGY, SALIGAOCATALYSED & SUPPORTED BY NATIONAL COUNCIL FOR SCIENCE & TECHNOLOGY

COMMUNICATION DST, GOVT. OF INDIA, NEW DELHI in the school premises due to pandemic situation. Therefore it has been decided to organize the same on online mode.

Various online Competitions were organised in which 13 schools participated. The same was organised successfully as per the guidelines from the education department. The following three competition were organised for the students of 13 schools participated in the event.



1) Model Exhibition Competition

SR. No.	COMPETITIONS	NAME OF THE SCHOOL	NAME OF THE PARTICIPANTS	PLACE	AMOUNT
1	Model Exhibition Competition	Mandre High School	Samrudhi Govekar	1st	Rs. 1000/- + Trophy
2		Viscount of Pernem High School	Sanjot Nagvekar	2 nd	Rs. 750/- + Trophy
3		Pradnya High School Devsu	Vedika Kavthankar	3 rd	Rs. 500/- + Trophy
4		Dnyandeep Academy High School Purva	Siya Malik	1 st Consolation	Rs. 200/-
5		Vikas High School Valpe	Gunshan Malpekar	2 nd Consolation	Rs. 200/-



2) Live power point presentation:



1	Live power point presentation:	Mandre High School Mandrem	Sachi Sawant	1st	Rs. 1000/- + Trophy
2		Harmal Panchkroshi High School Harmal	Shawnak Pai	2 nd	Rs. 750/- + Trophy
3		Viscount of Pernem High School	Mrunal Satardekar	3 rd	Rs. 500/- + Trophy
4		Vikas High School Valpe	Anushka Malpekar	1 st Consolation	Rs. 200/-
5		Shree Bhagwati High School Pernem	Tanmay Kharbe	2 nd Consolation	Rs. 200/-

3) Essay Writing Competition

1	Essay Writing Competition	St. Joseph High School	Prajakta Gawandi	1 st	Rs.1000/- + Trophy
2		Harmal Panchkroshi High School Harmal	Prachi Naik	2 nd	Rs. 750/- + Trophy
3		Mandre High School Mandrem	Sunita Sawant	3 rd	Rs. 500/- + Trophy
4		Viscount of Pernem High School	Riya Redkar	1 st Consolation	Rs. 200/-
5		Shree Bhagwati High School Pernem	Neha Korgaonkar	2 nd Consolation	Rs. 200/-

Mrs.Kirtimala Parab , Palak Karmalkar, Joaquim Coaceciao were acted as judges for the above competitions.

The Prize Distribution function was held on 19th Feb. 2022 in the school premises following the guidelines for Covid pandemic.

The programme was presided over by Shri Uday D. Prabhudessai as the chief guest and Shri Bhalchandra B. Hiroji as the guest of honour . Among the other dignitaries present were Shri Ulhas Deulkar (PTA Chairman), Shri Nagesh Gosavi (HM - Vikas High School) . The function began with the lighting of lamp. The Headmaster Shri Nagesh Gosavi extended a warm welcome to all the dignitaries' present.

Shri Uday D. Prabhudessai and Shri Bhalchandra Hiroji, the chief guest and guest of honour respectively delivered the motivating speeches . Shri Prabhudessai deeply briefed the students about the advanced farming he practiced at his farm at Korgao. Shri Bhalchandra Hiroji highlighted the importance of science and Maths in day to day life by quoting some quotes and examples.

The refreshment was arranged for the participant before the prize distribution function.The winners were awarded with trophies and cash prizes . The participation certificate were given to participating school andTA/DA was paid to the participated schools.



The function compared by Mrs. Palak Karmalkar was concluded with the vote of thanks proposed by Miss Reema Morudkar.

3) Dnyanprassark Mandal's College and Research Centre, Assagao, Bardez-Goa

1-National Mathematics Day 2021

The Department of Mathematics and Statistics of Dnyanprassark Mandal's College and Research Centre observed National Mathematics Day by conducting various activities from 4th to 7th January 2022. The programme was Catalysed & Supported by National Council for Science & Technology Communication (NCSTC), DST. Govt. of India, New Delhi, with the support of Goa State Council for Science & Technology (GSCST), Saligao-Goa. Various events and competitions were organised on this occasion at high school, higher secondary and college levels from 4th to 7th January 2022. The details are as below:

2-DAY WINTER CAMP FOR HIGH SCHOOL STUDENTS

A 2-Day winter camp for High school students was conducted as a part of National Mathematics Day 2021 from 6th to 7th January 2022.

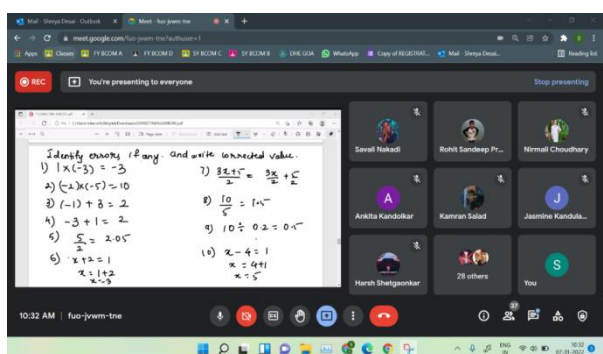
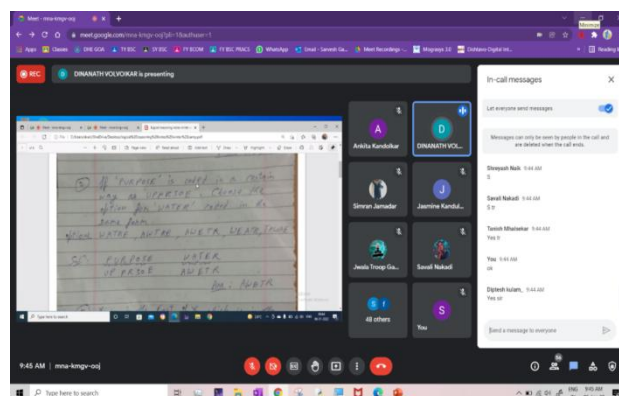
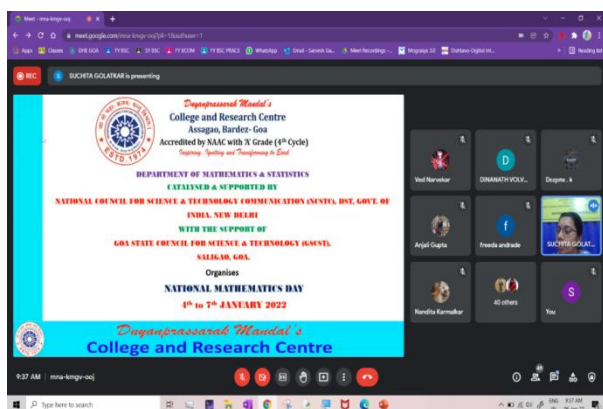
Day 1: 6th January 2022

Day one began with a welcome session by Dr. Suchita Golatkar, Associate Professor, Department of Mathematics and Statistics and Coordinator of the programme. She introduced all the members of the department and briefed about the different sessions of the winter camp. The next session was conducted by Mr. Dinanath Volvoikar, Assistant Professor, Department of Mathematics and Statistics of our college on the topic 'Logical Reasoning'. The third session was delivered by Mr. Sarvesh Gawas, Assistant Professor, Department of Mathematics and Statistics of our college on the topic 'Quantitative Aptitude'.

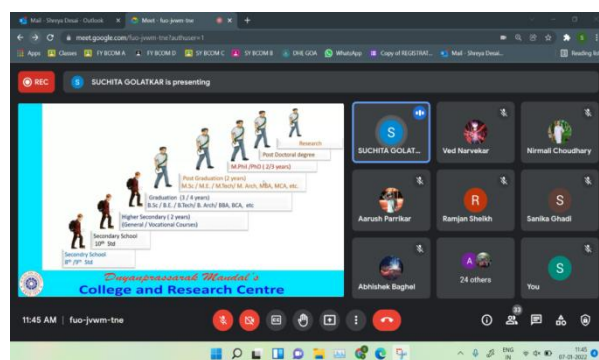
Day 2: 7th January 2022

On second day, Ms. Shreya Desai and Ms. Vaibhavi Neugi, Assistant Professors, Department of Mathematics and Statistics delivered session on the topic 'Logical Reasoning and Correcting Errors in Mathematical Computing'. The next session was conducted by Dr. Suchita Golatkar on the topic 'Career after SSC and Importance of Mathematics'.

The students from Dnyanprassarak Vidyalaya High school, Mapusa-Goa, Assagao Union High School, Assagao-Goa, Government High school Namoshi, Guirim-Goa, Saraswat Vidyalaya High School, Mapusa-Goa, participated in the winter camp. A total 53 students benefited from this winter camp.



Session on 'Logical and correcting errors in Mathematical computing'



Session on 'Career after SSC and importance of Mathematics'

4) **1-DAY WINTER CAMP FOR HIGHER SECONDARY SCHOOL STUDENTS**

The Department of Mathematics and Statistics conducted a 1-Day winter camp for Higher Secondary School students as a part of observance of National Mathematics Day 2021 on 7th January 2022. In the welcome session conducted by Dr. Suchita Golatkar, Associate Professor, Department of Mathematics and Statistics, she gave a brief introduction about the different sessions of the winter camp. The second session was conducted by Mr. Dinanath Volvoikar, Assistant Professor, Department of Mathematics and Statistics of our college on the topic 'Permutation and Combination'. The next session on 'Introduction to Probability' was delivered by Mr. Sarvesh Gawas, Assistant Professor, Department of Mathematics and Statistics of our college.

Students from SV's Purushottom Walawalkar Higher Secondary School, Mapusa, Goa and DM's PVS Sarojini Madhusudan Kushe Higher Secondary School, Assagao, Goa participated in the winter camp. A total of 32 higher secondary students benefited from this winter camp.

The Department also conducted online quizzes based on 'Quantitative Aptitude and Logical Reasoning' for the High school, Higher secondary and College students. The students from Dnyanprassarak Vidyalaya, Mapusa, Govt. High School, Namoshi, Guirim, Saraswat Vidyalaya High School Mapusa, Assagao Union High School, Assagao, DM's PVS Sarojini Madhusudan Kushe Higher Secondary School, Assagao, SV's Purushottom Walawalkar Higher Secondary School, Mapusa and Dnyanprassarak Mandal's College and Research Centre, Assagao participated in the competitions.



5) QUIZ FOR HIGHER SECONDARY SCHOOL STUDENTS

For Higher Secondary School Students, the round 1 quiz was held on 05th January 2022 in which a total of 26 students participated. A second round was held on 07th January 2022 for the top 15 participants of round 1. The following were the winners:

First Place: Master Yash Vijay Rane- DM's PVS Sarojini Madhusudan Kushe H.S.S.

Second Place: Master Jignesh Narayan Shirodkar- SV's PurushottomWalawalkar H.S.S.

Third Place: 1) Miss Shriya Harish Kamat- SV's PurushottomWalawalkar H.S.S.

2) Miss Shrisha Sandeep Thali- SV's PurushottomWalawalkar H.S.S.

3) Miss RakshitaMalleshHarthi- SV's PurushottomWalawalkar H.S.S.

6) QUIZ FOR HIGH SCHOOL STUDENTS

For High School Students, the round 1 quiz was held on 06th January 2022 in which a total of 32 students participated. The second round was held on 07th January 2022 for the top 16 participants of round 1.

Following were the winners:

First Place: Master Vishal Shrawan Purohit

Second Place: Miss Manasvi Mukund Kochkar

Third Place: Miss Sandhya Ravindra Vishwakarma

7) QUIZ FOR COLLEGE STUDENTS

For our college students, the round 1 quiz was held on 04th January 2022 in which a total of 55 students participated. A second round was held on 06th January 2022 for the top 15 participants of round 1. The following were the winners:

First Place: Miss Niyati Dataram Madgaokar

Second Place: 1) Mr. Tejas Satish Samant

2) Miss Pallavi Anand Jha

Third Place: 1) Miss Priya Chandrahas Dabholkar

2) Miss Richa Ravi Mandrekar

3) Mr. Mohammed Sahil Khattal

The Department also conducted a poster competition on 'Mathematical Modelling'.

8) POSTER COMPETITION FOR COLLEGE STUDENTS

The poster competition which was supposed to be held on 4th January 2022 was postponed due to unavoidable circumstances. The same was conducted on 28th January 2022.

The following were the winners:

First prize: Ms.SaloniSonuShetMandrekar

Second prize: Mr. Rui Norrish Dsouza

The third prize is shared by three students.

Third prize: Ms. Milosha Souza Xavier, Ms. Dimple Deepak Parsekar, and Ms. Ruchita Gajanan Naik

3)Peptual Succour Convent High School, Navelim, Salcete – Goa

Perpetual Succour Convent High School, Navelim, Salcete, Goa in association with Goa State Council for Science and Technology, Saligao, Goa organized 'MATHLETE 2021' on 20 December, 2021 for all the students of the school, as apart of Mathematics Day celebration in our school. The event was catalyzed and supported by the **National Council for Science and Technology Communication (NCSTC), DST, Government of India, New Delhi.**

The event aimed at bringing elements of excitement and creativity through the spirit of competition in the subject of Mathematics.

The preparation for the Mathlete began in advance with the following class wise activities:

C L A S S	ACTIVITY	TOPIC
V	MATH TRICKS COMPETITION	ANY MATH TRICKS
VI	MOBILE PHOTOGRAPHY COMPETITION	Mathematics in nature
VI I	COLLAGE COMPETITION	Mathematics in nature
VI II	3 D SHAPES CREATIVE MODEL COMPETITION	Mathematics for a better world

IX	POWERPOINTPRESENTATION	PROBABILITY Mathematics for a betterworld
V – X	ACHIEVERSTEST	Math +Mentalability
VI I– IX	INTER– SCHOOLQUIZCOM PETITION	Math +Mentalability
VI - VI II	Workshop on VedicMathemati cs	HighSpeedMathematics By Sir Ram SagarSakordekar

All the above activities (except the quiz) were held before the Math Day. Achiever's test was conducted in the school in an off – line mode. Top three winners were selected based on the highest scores in each class category.

Toppers of VII to IX were selected to form the Quiz team for the inter–school quiz competition. The team comprised of:

Swayam Sanket Komarpant of VIID

Siya Dias of VIIIC

Amrita Rajesh Vernekar of IXA

Sir Tadeu Dias was given the charge of training the students for the inter -school quiz competition.

Learning the new skills

An informative session on Vedic Mathematics titled 'High Speed Mathematics' was conducted for our students of class VII and VIII on 18th December 2021 in the school hall. The resource person, Ram Sagar Sakordekar, founder of SRS Vedic Mathematics Academy gave a brainstorming session with lots of examples to generate interest and arousing the curiosity in mathematics among the young minds. Students actively participated in the session.

Mathlete 2021 was held on 20/12/2021 in the school hall as per the program on the invite.

The Chief Guest for the day was Rev. Fr. Agnelo Gomes, Director of Agnel Technical Educational Complexes in Verna and Assagao. Mrs. Vilma Nora Henriques, retired headmistress, was the quiz mistress for the inter-school quiz competition.

The guests were accorded a warm welcome by our school band with their powerful and energizing music. The school band was trained by Tr. Joaquina. This was followed by the singing of the National Anthem, igniting the flames of patriotism. Floral tributes were given to all the dignitaries present.

Light dispels darkness, this was signified by the lighting of a brass lamp at the hands of all the dignitaries. Then, the portrait of our great mathematician Srinivas Ramanujan was garlanded at the hands of the chief guest Fr. Agnel Gomes. The assembly was then led into a prayerful atmosphere by teacher Christine followed by the prayer dance performed by our talented students, who danced gracefully to the soothing music. The dance was choreographed by our artistic teacher, Mrs. Sinthiya.



Miss Anervy Rodrigues showed the glimpses of the activities conducted for the Mathlete 2021 through a PowerPoint presentation. Almost every student took active part in the irrespective class competitions and gave the very best.



Chief Guest along with headmistress viewing

Headmistress Rev. Sr. Liberata Fernandes welcomed the gathering with her captivating speech, accorded a warm welcome and appreciation to all the invitees. She further explained the significance of the logo. The Mathlete logo symbolizes that Mathematics is every where, effecting development and we must ensure that progress made is eco – friendly. Through mathematics we should safeguard our planet and make a better place for you and for me and for the future generations.

Mathlete logo was created and designed by our dynamic Mathematics teacher, Mr Tadeu Dias. Our competent teacher, Mr George Gonsalves, artistically and skillfully created 3 – D model of the logo, which set the solar system in motion capturing everyone's attention. The Chief Guest lit the lamp and declared Mathlete open. The moment of celebration was marked with the singing of the theme song by the melodious voices of our school. The music for song was composed by our proficient music teacher, Mr Seby and the lyrics were written by our talented teacher, Miss Winnie Joanes.

Then after, the Chief Guest Rev. Fr. Agnelo Gomes addressed the audience with an absorbing speech, with a slight touch of humor, which was enough to grab the attention of all. The chief Guest appreciated the idea of having the mathematical formulae on the steps of the staircase and the efforts taken by to make mathlete a great event.



Chief Guest Rev. Fr. Agnelo Gomes addressing the gathering

The highlight of the day was the inter - school quiz competition comprising of three schools:

Rosary High School, Navelim

Government High School, Davorlim

Perpetual Succour Convent High School, Navelim



Quiz Mistress Mrs. Vilma Nora Henriques conducting the inter-school quiz

The quiz was ably conducted by Mrs Vilma Henriques, Ex-Headmistress. Mrs Henriques brought life to the quiz with her oratory skills and entertained the participants and the audience. Perpetual Succour Convent High School, Navelim was declared as winners and Government High School, Davorlim settled for the runner's-up spot.

This was followed by the prize distribution of all the winners. The Chief Guest and the guests of honour were offered mementos as a token of love and appreciation.

WINNERS OF INTER-SCHOOL QUIZ COMPETITION

FIRST PLACE : PERPETUAL SUCCOUR CONVENT HIGH SCHOOL, NAVELIM

SECOND PLACE : ROSARY HIGHSCHOOL, NAVELIM

THIRD PLACE : GOVERNMENT HIGHSCHOOL, DAVORLIM



MATHLETEWINNERSOFVARIOUSCOMPETITIONS

PLACE	NAME	CLASS
MATHTRICKS COMPETITION FOR CLASS V		
1	JAIRUSSNOW SILVA	VA
2	NORASAVIA MONTEIRO	VD
MOBILE PHOTOGRAPHY COMPETITION FOR CLASS VI		
1	SAMEDENLEO AFONSO	VIB
2	SWARASUSHANT NAIK	VID
COLLAGE COMPETITION FOR CLASS VII		
1	SHRAVANARUN SHIRODKAR	VIIB
2	VALENKOCHRIS PEREIRA	VIIC
3DSHAPES–CREATIVEMODELCOMPETITIONFORCLASSVIII		
1	SIYA DIAS	VIIIC
2	JESRYLMIHAELA FERNANDES	VIIIA
3	MEVRILCASHWIN SHET	VIIIC
POWERPOINTORCHARTPRESENTATIONCOMPETITIONFORCLASSIX		
1	MANVIULHAS GAONKAR	IXD
2	EMILY RODRIGUES	IXC

WINNERS OF ACHIEVER TEST

PLACE	NAME	CLASS
CLASS V		
1	ADDISON LUIS DIAS	VB
2	NITYANAND KRISHNAGAWADE	VA
CLASS VI		
1	BEVAN PIERSON COUTINHO	VIB
2	JOSEPH FERNANDES AVIODINIZ	VID
CLASS VII		
1	SWAYAM SANKET KOMARPANT	VIID
2	REYHANDIAS	VIIC
CLASS VIII		
1	SIYADIAS	VIIIC
2	AMANDADIAS	VIIIB
CLASS IX		
1	AMRITAJESH VERNEKAR	IXA
2	SHREYAS RIVASTAVA	IXA
CLASS X		
1	SCARLETT ESTHER FERNANDES	XD
2	MARK JOSEPH FERNANDES	XC

The event was duly compered by our students; Shane and Swizel Cresia Gomes, Under the able guidance of our teacher Miss Carol Dias.

At the successful end of the event, the coordinator of the event, Mrs. Priyanka Naik, proposed the vote of thanks, with a heart full of gratitude, thanking each and everyone involved in making the Mathlete 2021 a big success.

4) St. Xavier's College, Mapusa

Event 1 : Quiz Competition

The Department of Mathematics, St. Xavier's College, MapusaGoa, has successfully organized Inter Higher Secondary School **Mathematics Quiz Competition** on the occasion of National Mathematics Day 2021 on 28th January 2022, from 11.30 AM to 1.30 PM in an online mode.

This event is Catalyzed and Supported by National Council for Science & Technology (NCST), Govt. of India, New Delhi and State Council for Science & TechnologySaligoa Goa.

The event began by the Welcome Address by the administrator of our institution Rev. Fr. Antonio F. Salema.He highlighted the role of mathematics in Science and real life.



Welcome Address by Rev.Fr. Antonio F. Salema

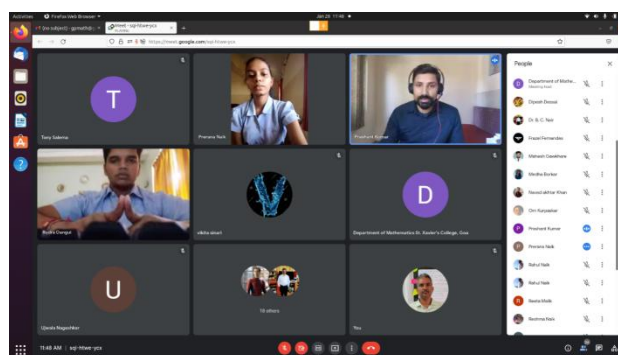
The competition took place in two rounds:

Round 1: Questions based on Ramanujan's Life and his contributions were asked to the participant team (consisting of two members) by the Judge.

Round 2: Questions based on the presentation made by the teams in the form of video were asked.

The entire event was judged by **Mr. Prashant Kumar Singh**,TataInstitute of Fundamental Research ,Bengaluru,Karnataka.

Total seven higher secondary across Goa have participated in the quiz competition.



DM'S Higher Secondary, Assagoa-Goa-Mast Rudra Dangui and Miss Prerna Naik

On this occasion the documentary on the life Srinivasa Ramanujan was shared with the audiences. The judge announced the results.

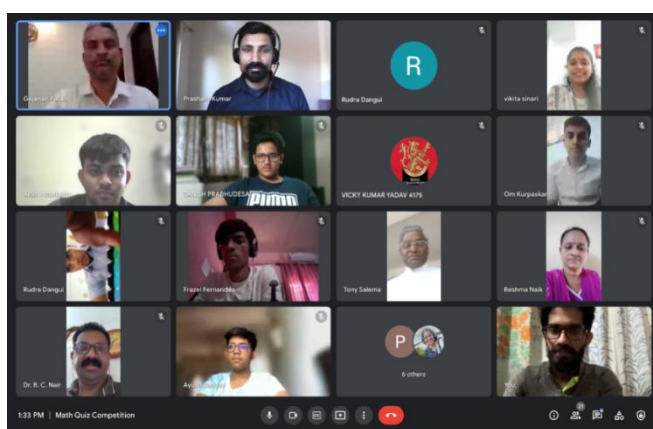
Winners of the Quiz Competition are as follows:

1st Place: Mushtifund Higher Secondary School, Cujira, Goa (Mast. Tanish Prabhudessai and Mast. Ayush Jadhav).

2nd Place: DM'S Higher Secondary, Assagoa-Goa (Mast Rudra Dangui and Miss Prerna Naik).

3rd Place: Rosary Higher Secondary School, Navelim, Margao-Goa (Mast. AnshHossabettuand Mast. Frazel Fernandes)

The vote of Thanks was given by the co-ordinator of the event, Mr. Gajanan R. Parab, Assistant Professor in Mathematics, St. Xavier's College.



Participants of Mathematics Quiz Competition

Event 2 : One week Online Lecture Series

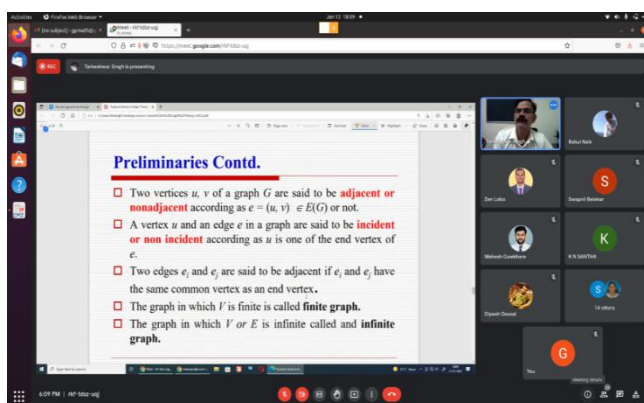
The Department of Mathematics, St. Xavier College Goa, organized a one week online lecture series on “[Graph Theory and its Applications](#)” on the occasion of National Mathematics Day 2021 from 11 January 2022 to 16 January 2022 for one hour every day from 6.00pm to 7.00pm. This program was a part of the National Mathematics Day 2021 which was Catalyzed and Supported by National Council for Science & Technology Communication (NCSTC), DST, Govt. of India, New Delhi and Goa State Council for Science & Technology (GSCST), Saligao, Goa.

Day 1

Dr. Zen Lobo, Assistant Professor in Mathematics, St. Xavier College, Goa compered the session on the first day of the lectureseries. He briefly introduced the lecture series.

Dr. Zen Lobo compering the session

At the beginning the Dr.B.C.Nair, H.O.D. of Mathematics Department welcomed the Guest speaker and participants of the lecture series. He highlighted the role and the importance of mathematics in our life.



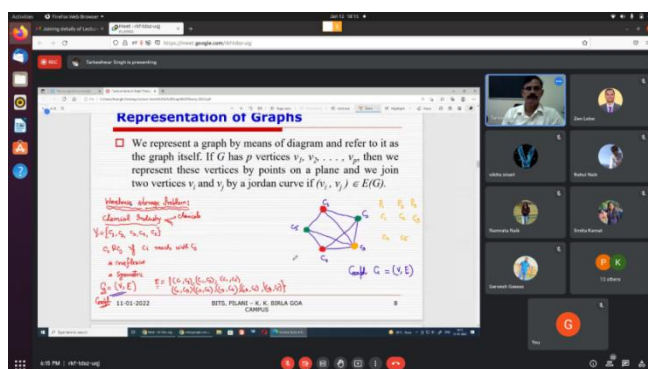
H.O.D. of mathematics department Dr. B.C. Nair addressing the gathering

Mr. Gajanan R Parab Co-ordinator of the event NMD 2021 introduced the Guest speaker Dr. Tarakeshwar Singh, Professor, Head, Department of Mathematics, BITS Pilani Goa Campus. To start with the lecture series Prof. Tarkeshwar Singh introduced the graph theory with some basic definitions and terms which were needed to define higher concepts. He showed how real life problems can be transformed into graphs. Furthermore basic tools were introduced like loops, parallel edges, multiple edges, pseudo graphs and digraphs. He discussed two important problems such as time table problem and road navigation problem.

Day 2

At first Mr. Gajanan Parab welcomed the resource person and the participants. He briefly gave the overview of the last lecture.

Prof. Tarkeshwar Singh discussed the representation of graphs in terms of matrix structure. Two methods were showcased, Adjacency matrix and Incidence matrix.



He introduced some of the famous problems in graph theory like Chemical industry problem or warehouse problem, Round Robin tournament problem and Communication problem. Further he explained the historical Konigsberg bridge problem with its graphical representation.

Day 3

At the beginning Mr. Rahul Naik welcomed the resource person and the participants. He briefly gave the overview of the last lecture.

Prof. Tarkeshwar Singh began the session with some of the preliminaries like order and size of graph, adjacent vertices, adjacent edges, finite and infinite graphs.

Several examples were given to understand the different terms and concepts. He also discussed different types of graphs with illustrative examples.

At the end Prof. Tarkeshwar Singh highlighted two important applications namely Communication between platoons and Traffic problem or Urban planning problem.

Day 4

At the beginning Mr. Swapnil Belekar welcomed the resource person and the participants. He briefly gave the overview of the last lecture.

Prof. Tarkeshwar Singh began the session with some of the concepts like connected graph, Eulerian graph. He illustrated several examples of connected graphs and Eulerian graphs.

He demonstrated the particular graphs like C_n , K_n , $K_{m,n}$, Q_n and $C_n \times C_n$. Latter he introduced the concept of Eulerian circuits.

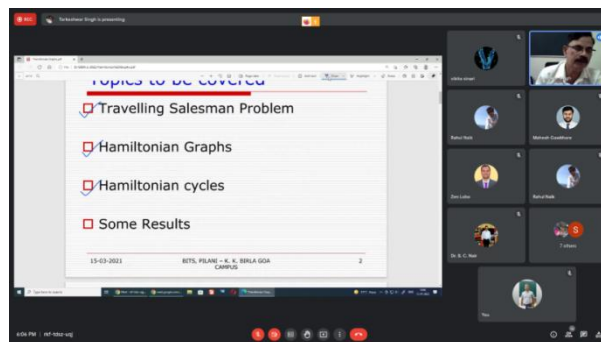
There was a discussion about more applications like marriage problem and job assignment problem and Chinese postman problem.

Prof. Tarkeshwar Singh highlighted some criterion for Eulerian graphs. At the he showed how to use Fleury's Algorithm.

Day 5

At the beginning Mrs. Vikita Sinari welcomed the resource person and the participants. She briefly gave the overview of the last lecture.

Prof. Tarkeshwar Singh introduced the concept of Hamiltonian Graphs with plenty of illustrative examples. He also gave examples of non Hamiltonian graphs.



In this session an application Travelling salesman problem was discussed.

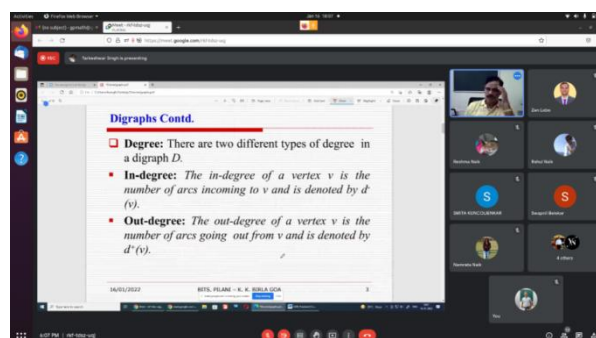
With reference to Hamiltonian graphs several famous theorems were introduced like Dirac theorem, Ore theorem, Bondy-Chavatal theorem etc.

There was introduction of two concepts, closure of graphs and NP-compatible problems.

Day 6

At the beginning Mr. Gajanan Parab welcomed the resource person and the participants.

Prof. Tarkeshwar Singh introduced the concept of directed graphs with examples. Few terms like in-degree and out-degree were given importance.

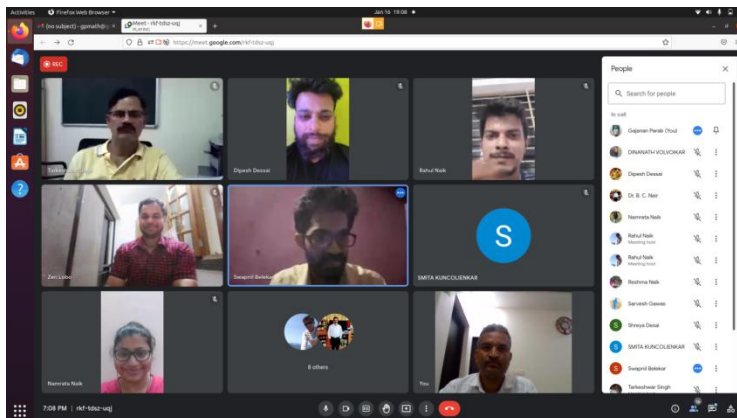


He showed the matrix representation of diagraph and connected in digraphs. He defined the Eulerian and Hamiltonian digraphs.

Some crucial results on digraphs were brought to the notice of the audience. He also discussed the concept of isomorphisms of diagraphs.

At the end he discussed two applications namely one way street problem and Tournament problem.

In the conclusion ceremony Mr. Gajanan R. Parab presented the brief report of the lecture series. He also proposed the vote of Thanks.



Participants Pics

Dr. Zen Lobo took the responsibility to make the digital form of the lecture series. There were around 19 people participated in this lecture series.

Event 3: Two Days program on 'Introduction to Geogebra'

A two day program on "An Introduction to GeoGebra" was organised by the Department of Mathematics, St. Xavier's College, Mapusa-Goa in association with National Council for Science & Technology Communication (NCSTC), DST, Govt. of India, New Delhi, with the support of Goa State Council of Science and Technology, Saligao, Bardez, Goa from 24th January 2022 to 25th January 2022. The program was conducted in an online mode via the platform Microsoft Teams.

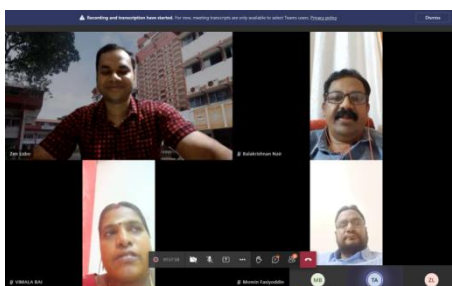
The objective of this program was to create awareness among the teachers (especially school teachers) and students about the open source mathematical software GeoGebra and to motivate teachers to use this software in their teaching methodology.

A total of around 142 participants from not only different parts of India but also from Bhutan and Nigeria took part in this program thus making it an INTERNATIONAL one.

The resource person for the program was Dr. Surendranath Reddy, Assistant Professor at School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra.

DAY 1

At the outset, Dr. Zen Lobo, Assistant Professor, Dept. of Mathematics briefly introduced the program to the participants.



Dr. Zen Lobo compering the session

Thereafter, Principal of our college Prof.(Dr) Blanche Mascarenhas, gave the welcome address. Belekar, Assistant Professor, Department of Mathematics of our college.

The resource person then introduced the software with the basic know-how of the interface followed with activities involving the participants engaging themselves in tasks assigned to them by the resource person.

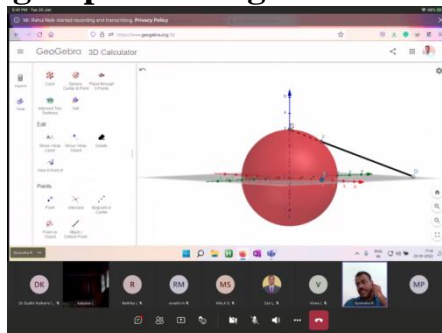


**Dr. Surendranath Reddy, SRTM, Nanded,
Maharashtra**

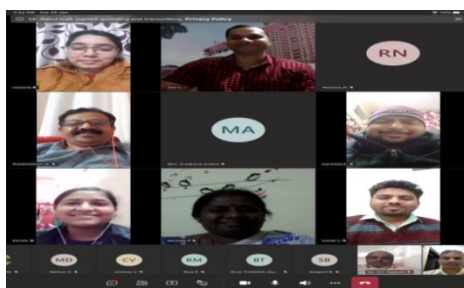
DAY 2

The speaker beautifully demonstrated the concept of “Augmented Reality”. This enabled participants to build 3D models of real world objects. Also he showed the 3-D plots with intersection of different plots. It also ignited a spark of interest and critical thinking in participants around math space.

Some glimpses of Augmented Reality



At the end of the program, Dr. B.C Nair, Associate Professor and Head, Dept. of Mathematics, proposed the vote of thanks.



Dr. B. C. Nair proposing the vote of thanks
The entire program was compered by Dr. Zen Lobo.

It was indeed an interesting, educational and learning experience for the participants. The participants appreciated the efforts taken by the department and college to conduct such program and the overall conduct of it was highly praised.

Mr. Rahul Naik, Assistant Professor, Department of Mathematics, St. Xavier's College, prepared the digital form of this event.

Prof (Dr) Blanche Mascarenhas
Principal

Mr. Gajanan R. Parab
Department of Mathematics
Co-ordinator of the event
National Mathematics Day 2021

5) St. Michael Convent

Mathematics is the most Beautiful and most Powerful creation of the Human Spirit.

~Stephan Banach

The Mathematics club of St. Michael's Convent High School, Vagator -Anjuna, Bardez Goa organized several online and offline activities during the current academic year 2021-2022 under the guidance and supervision of our Headmistress Rev. Sr. Margaret Rodrigues and Mathematics teachers.

The National Mathematics Day is celebrated on 22nd of December every year. To mark this occasion the National Mathematics Day was celebrated on the 22nd of December 2021 at St. Michael's Convent High School. The whole program for various mathematical activities for the year 2021-2022 was funded by Goa State Council for Science and Technology Saligao, Catalyzed and Supported by National Council for Science and Technology Communication Govt. of India, New Delhi.

Mr. Kiran Choukekar ADEI of Bardez Talukawas invited as the chief guest and resource person for the day. Rev. Sr. Berna Rodrigues SFN Superior General of Sisters of The Holy Family of Nazareth, Sancoale was invited as Guest of Honour and Mr. Sanjeev Chodankar and Mr. Francisco Lukas the technical officers of Goa State Council for Science and Technology were the special invitees. All the guests were welcomed by our Headmistress Rev. Sr. Margaret Rodrigues and Mathematics teachers. The day began by invoking God's blessings. The lighting of the lamp at the hands of the Chief Guest, the Headmistress, and the mathematics teachers of the school and a student followed by the garlanding the portrait of Srinivasa Ramanujan by the Chief Guest and singing the National Anthem.

Miss. Ashleen Fernandes spoke on the importance of observing National Mathematics Day.

Power Point Presentations on Magic Square of Srinivasa Ramanujan great Indian Mathematicians highlighting its significance was presented by Mathematics Teacher Mr. Shamsundar Naik.

The school hall was creatively decorated by the potraits of great mathematician.

An inter school mathematics quiz was conducted for the students of Std VII and VIII. The first place was begged by St. Michael's Convent High School.

An inter school elocution Competition in English and Konkani was organized on the topic **"Mathematical reasoning is the equation of life"**. In which ten students of five invited schools from all over Goa participated.

The students of std. V and VI depicted how mathematics is important in our day to day lives through their projects and assignment.

Poster/Potraits Making Competition was held for Std VII on Mathematical concepts and Mathematicians.

The students of class VIII and IX prepared working / Static Model on Mathematical concepts and the same were displayed for viewing and exhibition was organized for the students.

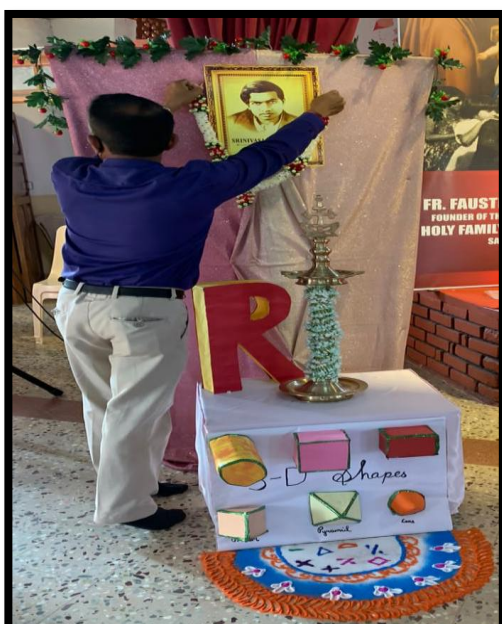
The students of Std. X contributed through wall painting based on mathematical formulae which was inaugurated by the technical officers Mr. Sanjeev Chodankar and Mr. Francisco Lukas.

As a part of the celebration of The Mathematics Day for the students, the best projects/ wall paintings/Posters and elocutionists were awarded with trophies and merit certificates. All students were appreciated for their contribution in different competitions.

Mr. Kiran Choukekar ADEI of Bardez Taluka in his speech highlighted that the students should take keen interest in mathematics as the foundation of their life is dependent on mathematics. The Headmistress Rev. Sr. Margaret Rodrigues in her speech advised the students to take part in various mathematics activities and appreciated the students for their active participation in various competitions.

The mathematics club prepares posters on various themes every month and display on the mathematical club board. The club also organizes school assembly in which The Headmistress awards and appreciates the good work done by the club members.

Prizes and certificates for various competitions were awarded to the students at the hands of the chief guest, Guest of Honor, Special Invitees and Headmistress of the school. The program ended by singing the School Anthem.





6) St. Joseph Vaz High School, Sancoale

St. Joseph Vaz High School, Sancoale Goa celebrated Math Day “Brain Matrix-2022” on 20th January 2022 which was catalysed and supported by National Council for Science & Technology Communication Govt. of India, New Delhi in association with Goa State Council for Science and Technology, Saligao.

The objective of Brain Matrix – 2022 was to promote Mathematical temper, creativity, application and critical thinking.

Two inter school competitions were conducted. “Guess Me” and the “Mathematical Quiz – Brain it On” Competition. In response to the circular sent to the vicinity schools

The following schools participated:

St.Thomas High School, Cansaulim

Our Lady Of Perpatual Succour High School,Cortalim

Vidhya Vihar High School, Cortalim

Al Madina High School, Nagoa Verna

St.Joseph Convent High School, Nagoa Verna

St.Ann’s High School, Quellossim

Infant Jesus high School,Velsao

St. Joseph Vaz High School, Sancoale.(Organizing school).

Government Middle School, CurpaVaddo participated only in “Guess Me” Competition.

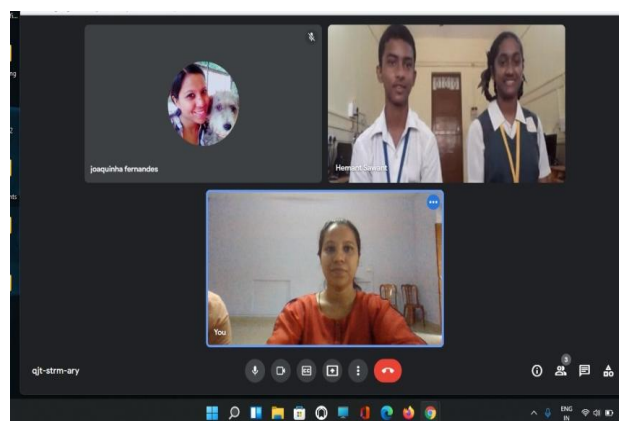
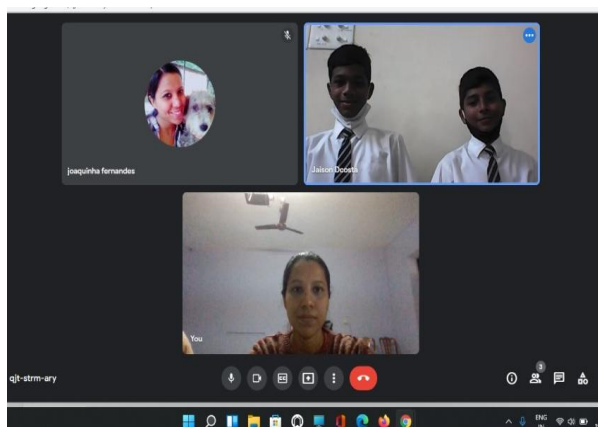
On 19th January 2022, The Preliminary Round of “Mathematical Quiz – Brain it On” was held online, the portion for the preliminary round included Math syllabus from Class V to Class IX.

The three schools with the highest score were selected for the final round. The schools are as follows:

St.Ann’s High School, Quellossim

St.Thomas High School,Cansaulim

St.Joseph Vaz High School,Sancoale



Preliminary round for - Abner Silva & Reuel Lucas, St. Ann’s High School,



Preliminary round for Arshiya Karajagi & Anas Parapuram, Al Madina High School.

On 20th January 2022, The programme began with An online Welcome Dance which was projected on screen, a Prayer invoking God's blessings followed by the inaugural of the opening of 'Brain Matrix' logo, along with a pyramid depicting the 'Importance of Mathematics In Everyday Life'. The venue was decorated with colourful backdrop of Math symbols and shapes which enthralled the audience.

Our Main Guest of the day was Mr. Tadeu Dias, A Graduate Math Teacher with 15 plus years of teaching experience at Higher Secondary and currently teaching at Perpetual Succour Convent High School, Navelim. **Mr. Dias has bagged** many Prizes for the school at S tate level. He has shared his resources with Goa Headmasters Association to deliver lessons for class X on Prudent media and worked as a paper setter.

The resource person of the day, Mr. Tadeu gave a very lively, eye catching and enriching session on the topic "Importance of Mathematics In Every Day Life."

The Quiz was well prepared and presented by Mr. Tadeu Dias on the topics as "mathematical puzzles, brain teasers and magic squares."



Mr. Tadeu Dias conducting Mathematical Quiz - Brain it On."

Master Pranav Supugade & Master Aman Sheikh, St. Joseph Vaz High School emerged as WINNERS of the 'Mathematical Quiz – Brain it On'.



The online competition “Guess Me” was to present a one minute unedited video depicting a mathematician and speak about his/her inventions. Mr. Tadeu Dias judged the online competition – “Guess Me”.

The Math Day consisted of series of Intra school competitions held for St. Joseph Vaz High School, Sancoale offline for class V to class IXth.

Following is the list of the competitions held, description, rules and judging criteria.

STD V

Title : Wall Hanging

Description: Students have to prepare a wall hanging using geometrical shapes.

Size dimension: 40cm x 25cm

Judging Criteria: Neatness, Creativity, Work involved, Materials used, Overall presentation.

STD VI

Title: Rangoli

Description: Students have to prepare a Rangoli using turns in patterns.
($\frac{1}{4}$ th turn, $\frac{1}{2}$ turn)

Size dimension: 1m x 0.5m

Judging criteria: Neatness, Creativity, Work involved, Materials used, Overall presentation.

Time limit: 1 Hour

STD VIII

Title: Mathematical Models

Description: Students have to prepare a mathematical model using mathematical concepts related to class 8 or any other relevant topic.

Size dimensions: 80cm x 40cm.

Judging criteria: Neatness, Creativity, Execution, Materials used and Overall Presentation.

STD IX

Title: Mathematical Models

Description: Students have to prepare a mathematical model using mathematical concepts related to class 8 or any other relevant topic.

Size dimensions: 80cm x 40cm.

Judging criteria: Neatness, Creativity, Execution, Materials used and Overall Presentation.

Mr. Kalidas Kurdiker from Shanta Durga High School and Ms. Medha Surlekar from Infant Jesus Academy acted as Judge in our off stage Intra-school competitions.

7) Vidhya Vihar High School, Thana Cortalim – Goa

**FACULTY CO-ORDINATOR: - Ms. Premalata Rathod, Mr. MehulkumarSagiani,
&Ms. Sangeeta Thomas.Date; - 14/1/2022**

National Mathematics Day is celebrated every year on 22nd December, honoring the birth anniversary of Mathematician genius, Srinivasa Ramanujan. The main objective behind celebrating the day was to raise awareness among students about the importance of mathematics for the development of humanity.

Vidhya Vihar High School CelebratedMathematics Day on 14th and 15th January 2022 to give a tribute to the legendary Mathematician, Srinivasa Ramanujan. The theme for the mathematics day celebration was “Mathematics for a better World”. These two days event was catalysed and supported by National council of Science and Technology communication (NCSTC), DST, Govt. of India, New Delhi in association with Goa state Council for Science and Technology (GSCST), Saligao, Goa.

DAY 1: - 14/01/2022

The event began by lighting the traditional lamp and garlanding the photo frame of Srinivasa Ramanujan, followed by welcome song by our students. A formal welcome and introduction were given by Headmistress Ms. Premalata Rathod welcoming the dignitaries and the participating schools and their students and enlightened students and the teachers that if we understand the logic of mathematics, it becomes magic.





Our first day event was graced by Mr. Sagar Ram Sakordekar, founder of SRS Vedic Mathematics, chief guest for the function, and the guest of honor Mr. Sanjeev Chodankar & Mr. Francisco Lucas, member secretary of Goa state Council for Science and Technology (GSCST), Saligao, Goa.

Chief Guest Mr. Sagar Ram Sakordekar, founder of SRS Vedic Mathematics addressed the gathering and highlighted the importance of mathematics in our daily life and he stated that essence of mathematics is not to make simple things complicated but to make complicated things simpler.



We had organized a Mathematics corner where our students displayed working model of mathematical operations, Math puzzles, Different Mathematical concept Charts, Model on algebraic Formulas, angles, congruence of triangle, mathematics in real life etc.

Mr. Sanjeev **Chodankar**, inaugurated Maths Corner and all the dignitaries participated actively in solving the Math puzzle and appreciated the efforts taken by students and teachers for displaying such an innovative and creative Math model.



On the first day of National Mathematics Day Celebration, we organized four activities given as follows.

- 1) Workshop on Vedic Mathematics
- 2) Elocution Competition
- 3) Poster Competition
- 4) Geometric Art Competition.

- 1) **Workshop on Vedic Mathematics:-**Vedic Mathematics workshop was conducted by Mr. Sagar Ram Sakordekar, founder of SRS Vedic Mathematics. Three hours workshop was conducted for the students of class 8th to 10th of neighbouring schools, where they were taught sutras to solve mathematical arithmetic in a easy and faster way. Students really enjoyed this workshop and were very happy to learn faster methods to solve the problem.



- 2) **Elocution Competition:** - The topic for the Elocution competition was “Life without Mathematics”. All the participants presented the given topic very well and concluded that life would be impossible without mathematics and we need mathematics at every step of our life. The competition was judged by Ms. Tripti Dixit, Principal of ‘Wonder kids’ pre-school, Zuarinagar.

The winners of the competition are as follows:-

1st Prize:- Mast. Ashutosh Mahabal
 3rd Prize:- Mast Chiranjeev Sahoo
 2nd Prize:- Miss Vaishnavi Bandekar
 Consolation Prize: Miss Nishtha Shrotriya



- 3) **Poster Competition:** - The theme for the Poster Competition was “Mathematics For a better world”. The competition was judged by Mrs. Sneha P. Desai, Assistant teacher of Math and Science at Our Lady of Snow, Raia.

The winners of the competition are as follows:-

1st Prize:- Miss Tanisha Suthar
 2nd Prize:- Miss Sahi Padke
 3rd Prize:- Miss Sakshi Shinde

Consolation Prize: Miss Shreya Gavali



3) **Geometric Art Competition:** -The theme for Geometric Art competition was to create a piece of Art using Geometrical elements or shapes. The competition was judged by Ms. Shivani Kerkar, Graphic Designer at Cognizant technology solution, Pune.

1stPrize:- Miss Shivali Routh

2ndPrize:- Miss Narayan Maladkar

3rdPrize:- Miss MeghaAnagawadi

Consolation Prize: Miss Anjali Chaturvedi

DAY 2: - 15/1/2022

On the second day of National Mathematics Day celebration, we organized Math Model making Competition on theme “Mathematics is Everywhere”.

The honouredChief guest for the Second Day of Competition and Valedictory Function was Mrs. Anju Anand, Principal of Bloomz International School (CBSE),Nuvem- Goa and the honoured guest and Judge for the Math model Competition was Ms. Kavita Bakhale, Asst. Teacher of Science and Math from Our lady of Perpetual Succour, Nagao.



Mathematical Model display competition was held on the second day on the theme

“Mathematics is everywhere”. Students displayed their innovative ideas and presented Math models displaying the use of mathematics in everyday life. The competition was judged by Mrs. Anju Anand and Mrs. Kavita Bakhale.

The winners of the competitions are as follows:-

1stPrize:- Miss Samiksha Mayekar& Miss. Vaishnavi Bandekar

2ndPrize:- Mast. Yash Bhingardivei& Miss Mahinoor Shaikh

3rdPrize:- Mast. Sameer Manjal& Miss NayanChaitri

Consolation Prize: Mast. Chandrakant Chopdekar& Mast. Winston Dias

The dignitaries also visited the Mathematics Corner, presented by our students and participated actively in solving Math games & puzzles. The efforts of the students and Mathematics teachers were really appreciated by the judges and the participating schools.



Veledictory Function

The winners of all the competitions were rewarded with Certificates and Trophies.

9) St. Joseph Convent, Nagoa

The Indian mathematical genius Srinivasa Ramanujan was born on 22nd December 1887. It was in recognition of his contribution to mathematics, the Government of India decided to celebrate his birthday as the National Mathematics Day.

The day was observed and celebrated in our school on **18th January 2022**. The objective of the event was

To celebrate and appreciate the contribution of Mathematics Wizard Srinivasa Ramanujan.

To inspire young children with life history of Ramanujan.

To eradicate phobia and fear against Mathematics among children.

The school activities conducted in the month of December 2021 in our school were:

School Level

Maths Model Making Competition for the primary section (Std I-IV) # Mathematics Quiz Competition (Std V)

Mathematics Quiz (Std VI)

Poster Making Competition on the topic 'Mathematics in daily life' (Std VII – VIII)

Maths Model Making Competition (Std IX) # Mathematics Quiz (Std X)

The Interschool activities were initially planned on 13th of January 2022 in the school premises. But due to rise in Covid-19 cases in Goa, the activities were organised in the online mode. The results of which were declared on the 18th of January for the mathematics day program along with the prize distribution ceremony.

Interschool competitions held in online mode were as follows:

Inter School Competition

Maths Model Making Competition (Std III – IV)

Poster Making Competition on the topic 'Mathematics in daily life' (Std VII – VIII)

Powerpoint Presentation Competition on the topic 'A world without the Wonders of Mathematics' (Std IX – X)

Following were the rules and instructions laid down for the competitions held in online mode:

Rules for the Competitions:

Maths Model Making

* A team of two students can make one model.

* Students should be able to explain the significance of the model that is made.

* Duration: 2-3 minutes

Poster Competition

* A team of two students should make a poster.

* Students will have to explain about the poster made by them.

* A video of the student explaining it should be made.

* Duration: 2-3 minutes

PowerPointPresentation

- *Astudentshould prepareaPPTandexplainthesame.
- *Maximum5slides
- *NoAnimation/Transition/Videoallowed.
- *Duration:5 minutes
- *ThePPTshouldbeprojectedontheLCDprojectorwhilerecordingthepresentation.
- *ThesoftcopyofthePPTshouldaccompanythevideoofthestudentexplainingthe PPT.
- *Schoolwererequestedtouploadthefilesongogledriveandsharethelinkon Whatsapp.

GeneralInstructions

All the participants in the video recording should be in school uniform.#Thevideoshould beclearlyvisibleandaudible.

#AlltheVideoshouldreachuslatestby13thJanuary2022.

For inter school competition, total six schools participated.1)Our Lady of Succour High School, Nagoa- Verna2)SaviourOfTheWorldHigh School,Loutulim
3)Father Agnel Multipurpose High School, Verna4)St.Joseph VazHigh School,Sancoale
St.TheresaHighSchool,St.Estevam
St.JosephConventHighSchool,Nagao-Verna.

Theparticipatingstudentsfromeachoftheschoolsforthethreecompetitionswhere;

1) OurLadyofSuccourHighSchool,Nagoa-Verna

MathsModelMakingCompetition

- 1) MasterEnochSerrao
- 2) MissAnishaFernandes

PosterMakingCompetition

- 1) MasterZion Godinho
- 2) MissPamilaBraganca

PowerPointPresentation

- 1) MissYasminBasur
- 2) MissSaishreePadhy

2) Saviouroftheworldhighschool,Loutulim

MathsModelMakingCompetition

- 1) MissSejalPuthiyelath Yashin
- 2) MissTrishaFaye Ithykkat

PostermakingCompetition

- 1) MissAvrelFernandes
- 2) MissCarolFernandes

PowerPointPresentation

- 1)Miss StacyMiranda

3)

4) Fr.AgnelMultipurposeHighSchool,Verna

Poster making

Competition1)

Miss Uzma Pathan

2)MissSakshiDessai

4) St.JosephVazHighSchool,Sancoale

MathsModelMakingCompetition

1) MissSriya Jena

MasterLikiesh NadarPosterMakingCompetition

1) MissPavitraHeremat

2) MissDharmishta Gaonkar

PowerPointPresentation

1) MasterChiranjeev Sahoo

2) MasterPranav Supugade

5) St.Theresa highschool ,StEstevam

MathsModelMakingCompetition

1) MasterNolanJosephLobo

2) MasterAvighna EknathFadte

PostermakingCompetition

1) MasterAtifDastgirMadar

2) MissSneshri UmeshBhomkar

PowerPointPresentation

1) MissSairah D'Mello

2) Master Pratik Mallik

6) St.JosephConventHighSchool,Nagoa-Verna

MathsModelMakingCompetition

1) MasterAdlerRebelo

2) MasterJonathanMethias Rego

PostermakingCompetition

1) Master VedantVinodChowgule

2) MasterMukeshKumarThakur

PowerPointPresentation

1) MissSapnaKumari

2) MissNikashaFernandes

The judging of the inter school competitions was done on the 15th of January 2022. It was decided to award the winners with trophies and certificates. Participation certificates were given to those who did not win a place for their respective category.

The observation of the National Mathematics Day was organized in our school on the 18th of January 2022. It was done in association with Goa State Council for Science and Technology, Saligao and Catalysed and Supported by National Council for Science and Technology Communication, Government of India, New Delhi. It was held at Fr. Faustino D'Souza Memorial Hall, in our school premises.

The program began at 10 a.m. with the welcoming of the Chief Guest to the venue. The chief guest for the day was Mr. Francisco Xavier Fernandes, ADEI of Salcete Taluka, Goa. The judges for the inter school competitions were Mr. Pritesh Lotlikar, Maths and Science Teacher of Shree. The day began with a meaningful prayer service with the theme of "*Mathematics: A spark that lights up young minds*". The prayer concentrated on the four operations of mathematics and how they can be related to the emotions of our lives. The lighting of the lamp was done by the chief guest, judges, teachers and a few students of the participating schools.

The winners of the school competitions were as follows:

1. Maths Model Making Competition for Std I to IV
First Place: Master Adler Rebelo
Second Place: Miss Aradhya Narayan Patil

2. Quiz competition for Std V
Winner: Miss Spurti Maharajwada

3. Quiz competition for Std VI
Winner: Miss Pratiks Govekar

4. Poster making competition for Std VII - VIII
First Place: Master Mukesh Kumar Thakur
Second Place: Master Abhishek Kumar Mahto

5. Maths Model Making Competition for Std IX
First place: Miss Aliya Ukkli
Second Place: Miss Claire Greta Vales

6. Quiz competition for Std X
First Place: Master Anshu Singh
Second Place: Miss Sapna Kumari

Next, prizes were awarded to the winners of the interschool competitions. Due to protocols and unforeseen circumstances, only one teacher representative and one student

representative of each competition were invited for the prize distribution ceremony. The prizes were given at the hands of the chief guest and the judges. The school and participating winners of the inter school competitions were as follows:

1. Maths Model Making Competition for Std III–IV

First Place was begged by St. Theresa High School, St. Estevam. The participating students were:

1. Master Nolan Joseph Lobo
2. Master Avighna Eknath Fadte

Second Place was awarded to St. Joseph Vaz High School, Sancoale. The participating students were:

1. Miss Sriya Jena
2. Master Likiesh Nadar

Third Place was given to Saviour of the World High School, Loutulim. The participating students were:

1. Miss Sejal Puthiyalath Yashin
2. Miss Trisha Fayelthykkat

2. Poster making Competition for Std VII–VIII

First Place was begged by St. Joseph Vaz High School, Sancoale. The participating students were:

1. Miss Pavitra Heremat
2. Miss Dharmishta Gaonkar

Second Place was awarded to St. Theresa High School, St. Estevam. The participating students were:

1. Master Atif Dastgir Madar
2. Miss Sneshri Umesh Bhomkar

Third Place was given to Our Lady of Succour High School, Nagoa-Verna. The participating students were:

1. Master Zion Godinho
2. Miss Pamila Braganca

3. PowerPoint Presentation for Std IX–X

First Place was begged by St. Joseph Convent High School, Nagoa-Verna. The participating students were:

1. Miss Sapna Kumari
2. Miss Nikasha Fernandes

Second Place was awarded to St. Theresa High School St. Estevam. The participating students were:

1. Miss Sairah D'Mello
2. Master Pratik Mallik

Third Place was given to Our Lady of Succour High School, Nagoa-Verna. The participating students were:

1. Miss Yasmin Basur
2. Miss Saishree Padhy

At the end of the prize distribution ceremony, the chief guest spoke to the crowd and especially the students about the importance of mathematics and how it is already a part of our lives so we must love and have a special interest in it.

Our headmistress, Rev. Sr. Claret Varela, also addressed the crowd with some meaningful quotes that encouraged the young minds to upsurge their interest in mathematics. She emphasized thoroughly on the following quote "The only way to learn mathematics is to do mathematics."

One of the judges, Mrs. Punam Ameya Shet Narvekar, shared her judging experience during this inter school competitions and expressed her gratitude towards our school for inviting her to be a part of the national mathematics day celebration.

A token of gratitude was given to the chief guest and the two judges by the hands of our headmistress as a sign of blessing and appreciation. The vote of thanks was given by Tr. Alfreeda, appreciating the efforts of all the participants and schools. She also insisted that "Without mathematics there is nothing you can do. Everything around you is mathematics. Everything around you is numbers." The best way to understand it is by correlating what we learn to our day-to-day lives.



10) Vidya Prabodhini Higher Secondary School, Porvorim - Goa

Vidya Prabodhini Higher Secondary School of Porvorim celebrated National Mathematics Day from 10th January 2021 to 22nd January 2022. Due to increasing covid cases in Goa, this event was conducted through online mode. There was a great response from all over Goa for this activity.

Activity No. 1:

Online Webinar for teachers and students

Date : Monday 10th January 2022

Time: 5 p.m to 6 p.m

Venue: Google meet

Eminent Resource person:- Dr. Anuradha Shripad Garage

{Assistant professor, Department of Mathematics, University of Mumbai }

Topic:- Coins and Greatest common divisor.

No. Of the participants attended the online Webinar:85

In the entirety of the session following units were executed:

Welcoming and Addressing the guests and the participants :Dr.Lata .S. Naik - Programme coordinator

Saraswati Vandana - Mrs Meghna Devari.

Welcome note :Shri DamodarMardolkar, PrincipalIntroduction of the guest: MrsShubangi Agni

Dr. Anuradha. S. Garage shared her thoughts through the topic,**Coins and Greatest common divisor** .

Question - Answer session for the participants for ten minutes .

Vote of thanks : Shri Sanjay Sawaikar.

Shanti mantra: Mrs Meghna Devari.

The above seminar was attended by more than 84 participants. Discussion was done by the teachers and other participants attending the session related to the topic Coins and Greatest common divisor. It was a very enthusiastic and refreshing session for all the teachers of Goa.

Day two:

Online Webinar for teachers and students.

Date : Tuesday 11th January 2022 .

Time: 5 P.m to 6p.m

Venue ; Google meet

Eminent Resource person: Prof. VithalSukhatankar, (Faculty, Goa Institute of Management, Sankhalim Goa) .

Topic: Mathematics mandala - A stress reliever

No. of the participants for the Webinar ; 100

In the entirety of the session the following units were executed :

Welcoming and Addressing the guest and the participants:by Dr Lata Satyawan Naik.

Shanti Mantra :Mrs.MeghnaDevari

Introduction of the guest- Mrs. Shreya kale

Prof. VithalSuhkhatankar shared his creativity of Mathematics Mandala with the participants.

Question - Answer session for the participants for 10 minutes

Vote of thanks :MrsShubangi Agni.

Shanti mantra: Mrs Meghna Devari .

The above session was attended by 100 participants.

During question answer session participants asked several questions by making session successful .It was a real stress reliever session for all the participants, Including teachers and students.

Activity no. 2

Day one:

Online workshop on innovative working model making in mathematics- For science and mathematics teachers of High school level from Goa.

Date: Monday 17th January 2022

Time : 5 p.m to 6p.m .

Venue; Google meet

Eminent Resource person - Shri Shashikant Savlo Naik

(Retired Headmaster, expert in mathematics) .

Topic; Innovative working model making in mathematics.

In the entirety of the session , the following units were executed :-

Welcoming and Addressing the guest and participants: Dr. Lata . S. Naik

Saraswativandana: Mrs Meghna Devari.

Introduction of the guests: Mrs Shreya kale.

Shri Shashikant Savlo Naik shared his knowledge of making innovative working models with all the teachers of science and mathematics during the session.

Vote of thanks:Dr. Lata. S. Naik

Shanti Mantra: Mrs Meghna Devari.

In the above session. Teachers were taught about how to prepare very attractive teaching aids and make their teaching and learning of mathematics easy. All the teachers participants were happy to gain this knowledge.

Day two:

Online workshop on innovative working model making in mathematics - for students of Std7 ,8 ,9 10 and 11

Date: Tuesday 18th January 2022

Time: 5p.m to 6p.m

Venue:Google meet

Eminent Resource person: Shri Shashikant SavloNaik .

Topic: Innovative working model making in mathematics for the students of mathematics.

In the entirety of the session the following units were executed :-

Welcoming and Addressing the guest and the participants;by Dr. Lata. S. Naik.

Introduction of the guest: Mrs Shreya kale.

Shri Shashikant. S. Naik in his session, explained making of many teaching aids to the students.

Question and answer session

Was made effective by the active participation of the students.

Vote of thanks: Dr Lata.S. Naik

Shanti mantra; Mrs. Meghna Devvari.

In the above session students participated very enthusiastically and asked several questions thus making the session interesting and interactive.

Activity number: 3

Online PowerPoint presentation competition for the students of standard 7th ,8th and 9th

Topic: Make mathematics easy- tips and tricks

Rules and regulations

Slides in PPT not more than 12

Individual participation

Last date of submission 14 January

Criteria for the judgement of the competition:

Content

innovative ideas

creativity

overall effectiveness

Prizes;

First prize rupees 1500

Second prize rupees 1000

Third prize rupees700

Two consolation prizes each of rupees 500

Total amount spent for prizes of this competition:rupees 4,200

Number of the participants :19

Judge for the competition * Dr Aditi Sunil Phadke, (Assistant professor from Nowrosjee Wadia College , Pune)

Prize winners:

First prize: miss Leanne Fernandes of Holy family High School Porvorim.

Second prize : Miss Gayatri Rajpurohit of St . Anthony High School, Monte-de-Guirim.

Third prize : Miss Hiya Gawande of St.Michael convent High School Anjuna.

Consolation one :Miss Adishree Korde of The Rosary High School.

Consolation two :Mr Ved Gawade of L.D Samant Memorial High School Porvorim Goa.

Online video or short film making competition for the students of standard 10th, 11th and 12th.

Topic : Success stories of mathematicians.

Rules and regulations

Video should not exceed more than 3 minutes

Individual participation.

Last date of submission 14th January 2022.

Criteria for the judgement of the competition.

Content

Narration

Creativity

Overall effectiveness.

Prizes:

First prize: Rupees 1500 .

Second prize: Rupees 1000.

Third prize: Rupees 700 .

Two consolation prizes each of Rupees 500.

Total amount spent for prizes for this competition: Rupees 4,200

Number of participants : 61

Judge for the competition: Dr Gitanjali Phatak, (Assistant professor from S.P .College Pune).

Prize winners:

First place : Aleena Maliackal of Vidya Prabodhini higher secondary School Porvorim Goa.

Second prize : Miss Pooja Lamani of Vidya Prabodhini higher secondary School Porvorim Goa.

3rd prize ; Alina Sethi of Vidya Prabodhini higher secondary School Porvorim Goa

Consolation 1 : Miss Arya Deshpande of Vidya Prabodhini Higher secondary School Porvorim Goa.

Consolation 2 ; Miss Prachi Raikar of S.S Angle Higher secondary School cancona Goa.

Valedictory function:

Online valedictory function of National Mathematics Day 2021- 22 was conducted:

Date: Saturday 22nd January 2022

Time: 5p.m to 6p.m

Venue: Google meet

Chief Guest :Shri Deepak Bandiwadekar

(Assistant Professor of Mathematics.Govt College of Sankhelim– Goa).

In the entirety of the valedictory function,the following units were executed:

Welcoming and Addressing the Chief Guest and the participants:Dr.Lata.S.Naik

Saraswati Vandana: MrsMeghna Devari

Welcome note by principal: Shri DamodarMhardolkar.

Introduction of the Chief Guest :Shri Pradeep Velip
Introduction of Dr. Geetanjali Phatak: Shri Nilesh Waradkar
Address by Dr Gitanjali Phatak
Introduction of Dr.AditiPhadke: MrsSailiBandodkar.
Address by Dr Aditi Phadke.
Chief guest say .
Announcement of prize winners: Shri Sanjay Sawaikar.
Vote of thanks: Mrs Dipika Naik.

During this online valedictory function, the chief guest highlighted on ancient mathematics and also spoke about how mathematics is useful in day to day life. Almost 72 participants attended this function through online mode. With this valedictory function, this year's National mathematics day celebration was concluded with a great success.

11) Vidya Prasarak High School, Morjim, Pernem

Vidyaprasarak High School Morji Pedne Goa had organized several online and offline activities during the current academic year 2021-2022 under the guidance and supervision of our Headmaster Shri. Dilip N. Methar and Mathematics teachers.

The National Mathematics Day is celebrated on 22nd December every year. This year due to rise in covid cases, National Mathematics Day was celebrated in Vidyaprasarak High School Morji on 21st January 2022 through online mode. This mega event was funded by Goa State Council for Science and Technology Saligao, Catalyzed and Supported by National Council for Science and Technology Communication, DST Govt. of India, New Delhi.

The National Mathematics Day was celebrated by conducting various competitions for our school students as well as for the students of neighboring schools. The interschool competitions were held for all the schools from Mandre Superschool Complex, which included Govt. High School-Agarwada, Mandre High School-Mandre, R.D. Khalap High School-Mandre, Our Lady of Rosary High School-Mandre, Peter Alvares Memorial High School-Morji and Vidyaprasarak High School-Morji.

Three interschool competitions were organized, commenced with PowerPoint presentation competition on the theme major contribution made by Indian or World Mathematician in the field of mathematics. Here participants presented on two mathematicians which included maximum 6 slides within 5 minutes duration. These presentations were video recorded and sent to the organizing school. Second competition was Mathematical model making or exhibit preparation on the Mathematical principle. Participants explained the working of the model, same was video recorded and sent to the organizing school. The third competition was online Mathematical Quiz Competition. Quiz was conducted online by using Google form. Participants were given 30 MCQ questions from Mathematics syllabus of Std. VIII, IX and X std. portion up to 1st term. Students submitted the Google form within 1 hour and responses were recorded. We had also organized poster making competition on mathematics only for our school students.

We received 100% participation of students in all three inter-school competitions. These interschool competitions were judge by Mr. ChetanKubal , Mr. ShyamsundarNaik and Mr. BholeshNaik.

A well-organized prize distribution function of National Mathematics day was commemorated on 27th January 2022 through offline mode. The event was successful due to meticulous planning put forth by the head of the institution Shri Dilip N. Methar, teachers and students of the school. The programme was enlightened by the presence of Sir Shri. Pradeep Morajkar Professor at St. Xavier's college Mapusa and The Member Secretary Goa State Council for Science and Technology Saligao, Goa as the Chief Guest, The Headmaster of Dr. Ambedkar High School Shri. Chetan A. Kubal as the Guest of Honour, Asst. Teacher Shri. Shyamsundar Naik of St. Michael's Convent High School Vagator, as the special invitees. The Headmaster of Govt. High School Agarwada Shri. Sudan Naik Gaonkar as special guest. The programme also witnessed the presence of The Chairman Shri Vishram Shetgaonkar, The Manager Shri Prasannakumar Shetgaonkar, The Secretary Shri. Prakash Shetgaonkar, PTA Chairman Shri. Sanjay Sawant, PTA-Vice Chairman Shri. Sanjay Dabholkar

The day began with lighting of the lamp at the hands of the Chief Guest, the Guest of Honours, Special invitees and all other dignitaries followed by the garlanding of the portrait of Srinivasa Ramanujan by the Chief Guest

The guests were addressed with brief introduction and welcomed by our Headmaster Shri. Dilip N. Methar. The incharge of the Mathematics day Shri. Diptesh D. Halankar presented brief review on the different competitions conducted on the account of National mathematics day.

Shri. Vishnu Phadte, the Mathematics teacher of the school was the incharge of prize distribution ceremony. Prize winners were felicitated at the hands of the Chief Guest, Guest of Honours, and special invitees.

The audience was addressed by special invitee Shri. Shamsundar Naik who guided students on how to prepare themselves in varied competitions to promote interest of mathematics in them. He also emphasized on the importance of hard work and determination. The Guest of Honour Shri Chetan A. Kubal delivered his speech focusing on the use of mathematics and its applications in our domestic and practical life. The Chief Guest Professor Pradeep Morajkar addressed the audience with his inspirational speech on how to be focused on studies and concentrate on the concept related to different subjects to seize mastery over any subject. He also made it a point to convey everyone how they can utilize their strong and live physique along with sharp and rational mind in accomplishment of any task. Also guided teachers to come forth with novel and innovative ideas and a positive approach while dealing with their students. The concluding speech was presented by The Manager Shri. Prassannakumar Shetgaonkar.

The programme came to successful end with a vote of thanks proposed by the maths teacher Mrs. Manjiri Shetgaonkar. The entire programme was anchored by Mrs. Pranita Naik.



11) St. Britto High School, Mapusa

St. Britto High School, Mapusa with the support of National Council for Science and Technology Communication, New Delhi and the Goa State Council for Science and Technology, Saligao, commemorated the National Mathematics Day by organising 3 activities for school students. The aim of the activities was to bring out creativity and talent through the spirit of competition in the subject of Mathematics .

As we are in the Covid pandemic times, it was important to celebrate the day in creative ways, taking into consideration the limitations on the number of people permitted, maintaining social distance and practicing self care. Thus the activities were planned in online mode.

The activities conducted in online mode were as follows

1. Intra school Online Visual Presentation Competition for the students of our school was held on 21st January 2022. This competition was open to the students of class 8, 9 and 10. The topic was ‘Applications of Mathematics in daily life’. The participants had to make an online presentation using maximum 6 slides in 3 mins and the criteria for judging was content, fluency in speech, overall effectiveness and viva. In all 20 students participated and they were judged by two judges – Mr. Austin Fernandes, our lab assistant and Bro Jonathan D’Silva, a final year B.Sc. Mathematics student. Two winners in each category were selected.

The winners are as follows

Class VIII

1st place – Beniel Menezes

2nd place – Hrehaan Khan

Class IX

1st place – Aiden Trinitade

2nd place – Sairaj Naik

Class X

1st place – Sparsh Naik

2nd place – Aaryan Arolkar

2. The next activity was a webinar conducted on 22nd January 2022, on the topic: The Golden Ratio and some fascinating Math.

The resource person for the webinar was Assistant Prof. Brian D’Souza, Incharge M.Sc. program, Government College of Arts, Commerce and Science, Sanquelim Goa. The invitation went out to the schools of Goa, wherein a maximum of 5 participants from each school were allowed to participate. The webinar was a success with an attendance of 90 participants. The resource person kept the audience engaged with his interesting questions, thus challenging the young minds.

3. The last activity was the Inter school Visual Presentation Competition on the topic 'Applications of Mathematics in daily life'. The participants had to make a video of their presentation using maximum 6 slides in 5 minutes and the criteria for judging was content, fluency in speech, novelty in the use of visuals and overall effectiveness. Invites were sent to 30 schools of North Goa and 21 schools participated in this competition. The participating schools were

1. Chubby Cheeks Spring Valley High School, Porvorim
2. Don Bosco High School, Panaji
3. Dnyanprassarak Vidyalaya, Mapusa
4. Dr. K B Hedgewar High School, Cujira
5. G. S Amonkar Vidyamandir, Mapusa
6. Holy Cross High School, Bastora
7. Janata High School, Mapusa
8. Little Flower of Jesus High School, Calangute
9. Lourdes Convent High School, Saligao
10. Our Lady of Grace High School, Bicholim
11. Our Lady of Lourdes Convent High School, Valpoi
12. Saraswat Vidyalaya, Mapusa
13. Shri Shantadurga High School, Bicholim
14. Shree Ganesh High School, Ganeshpuri, Mapusa
15. St. Francis Xavier High School, Mapusa
16. St. Francis Xavier High School, Siolim
17. St. John of the Cross High School, Sanquelim
18. St. Mary's Convent High School, Mapusa
19. St. Michael's Convent High School, Vagator
20. St. Thomas Girls High School, Aldona
21. St. Xavier's High School, Moira

The participants were evaluated by 2 judges, Mr. Shantaram Halankar, an ex-Mathematics teacher of our school and Assistant Prof. Subodh Haldankar, Nirmala Institute of Education, Panaji.

All the participating students showed great potential but in the end some stood out shining brighter than the others. There were so many notable applications of Mathematics presented by each participant. The winners of the competition are as follows

1st place – Kelly Faria of St. Mary's Convent High School, Mapusa

2nd place – Dalysha Pereira of Little Flower of Jesus High School, Calangute

3rd place – Yhusuf Chaudhary of Holy Cross High School, Bastora

The prize distribution and felicitation function which was initially planned for the 27th of January 2022 was postponed due to unavoidable circumstances and was later held on 2nd February 2022 at 10 am in the school hall. The Chief Guest of the function was Fr. Simon De Melo, Headmaster of St. Britto High School, Guests of Honour were Mr. Sanjeev Chodankar and Mr. Francisco Lucas of Goa State Council

for Science and Technology, Saligao. They were joined by Tr. Yvette Pais, Assistant Headmistress of our school.

The function started with the lighting of the lamp by the dignitaries on the dais, followed by garlanding of the portrait of Srinivasa Ramanujan.

The dignitaries were welcomed with flowers and a token of appreciation by the teachers of our school. The guests were introduced by Sir Shankar Govekar. The coordinator of Mathematics Day 2021 celebrations, Tr. Brazina Souza then read the report of activities conducted to commemorate the day. This was followed by the visual presentations by the three winners of the Inter school Visual Presentation Competition. The winner of Class X category of the Intra School Visual Presentation Competition also made a presentation to the audience.

This was followed by the prize distribution ceremony. Cash prize, certificate and a memento were presented to each of the three winners of the Inter school Visual Presentation Competition while certificates and mementos were presented to each of the winners of the Intra school Visual Presentation Competition. All the participants were awarded participation certificates.

The Chief guest, Fr. Simon De Melo and the Guest of Honour, Mr. Sanjeev Chodankar then addressed the gathering. The program ended with the Vote of Thanks proposed by Sir Conrad Lobo .

Snacks were served to the students, accompanying teachers, parents as well as to the guests as soon as the program ended.



