

**PROJECT COMPLETION REPORT ON
CELEBRATION OF
NATIONAL MATHEMATICS DAY – 2022
NATIONAL SCIENCE DAY - 2023**

Theme: Global Science for Global Wellbeing

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Submitted to:
**National Council for Science and Technology Communications
Department of Science & Technology
Government of India, New Delhi**



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2. Objectives:

NMD 2022

- To interpret the mathematical concept involved in daily life to students and general public
- To motivate and create awareness about the importance of mathematics
- To apply mathematical knowledge for S&T applications
- Understanding the contribution made by Indian mathematician to mathematics
- Scope for research/career opportunities in mathematics

NSD 2023

- To develop scientific temperament and scientific thinking among people
- To foster an interest in science
- Motivate students to perform experiment and innovations
- Create awareness about the current development in science, technology and scope for improvement.
- To popularize the importance of Science, Technology, Mathematics and Engineering (STEM) and enhance innovative approach through hand-on experiments

3. Time schedule of the Project:

a) National Mathematics Day – 2022

- Proposed duration/date(s): 8 months
- Approved duration/date(s): 6 months

b) National Science Day – 2023

- Proposed duration/date(s): 8 months
- Approved duration/date(s): 6 months

4. Collaboration:

1.	Atria Institute of Technology
2.	Bangalore Institute of Technology, Bengaluru
3.	Kristu Jayanti College, Bengaluru
4.	KJVS, Bengaluru
5.	High school of KREIS
6.	Science for Rural India, IISc, Bengaluru
7.	IAPT
8.	District NRDMS Centres

5. Give brief details

A. National Mathematics Day 2022

I. Celebration of National Mathematics Day 2022

India celebrates National Mathematics Day on December 22 every year. The day commemorates the birth anniversary of great Indian mathematician Srinivasa Ramanujan. Ramanujan made significant contributions to number theory, infinite series, continued fractions and analytic functions. His work has inspired many mathematicians over the years and his legacy continues to live on through National Mathematics Day in India.

Mathematics is an essential part of our everyday life and powerful tool to comprehend the world around us. In India, National mathematics day is celebrated on December 22 every year to commemorate the birth anniversary of great mathematician Srinivasa Ramanujan. Every year this day is celebrated with various events that highlight the importance of mathematics & its contribution to society.

KSCST celebrated National Mathematics Day 2022 on 22 December 2022 at Prof. Satish Dhawan Auditorium, Indian Institute of Science campus, Bengaluru at 10.00 am. Around 250 high school students participated in the programme.

During programme, Mr. H. Hemanth Kumar, Executive Secretary, KSCST gave the importance of NMD celebration. Dr. H. S. Ganesha Bhatta, Former Principal, M.E.S Teachers College, Bengaluru spoke about mathematics around us; Mrs. Janhavi Karthik demonstrated activity on topography and Mr. Nagesh, Educator from Seed2Sappling, Bengaluru talked about vedic mathematics & Indian mathematician. A book on mathematical activity in Kannada were distributed to all the participants.





Glimpse of NMD 2022

II. Celebrating NMD 2022 in 31 districts of Karnataka

KSCST has 31 NRDMS centres in each district of the state. NMD 2022 was celebrated in 31 district in coordination with our NRDMS officials in their respective districts. A one day programme was organised in government / aided high school of each district. During the programme quiz, model making & technical talk were organised.



III. Celebration of NMD at academic institutions

Celebrated NMD 2022 for first grade and engineering students at Atria Institute of Technology, Bangalore Institute of Technology and Kristu Jayanthi College.



IV. Teachers training workshop

As a part of NMD 2022 two days training workshops on mathematics were organised for high school teachers in collaboration with science centres, NGO's and institutions in their respective districts.



V. Outreach activities from science for rural India

Research scholars of Indian Institute of Science under the outreach activity - Science for Rural India is conducting and popularizing science to rural school students through lectures, demonstration of science experiments and focused group discussions in semi-urban and rural areas. They have around 25 volunteers (Research Scholars) to take up this activity and has requested KSCST to support this programme in identification of Schools, interaction with Principal of the institutions for the interaction program.

Similar kind of activities were conducted in association with these research scholar's during 2019 and 2021 and the program was well received and have motivated the students.

KSCST had interacted with Karnataka Residential Educational Institutions Society (KREIS), Department of Social Welfare, Government of Karnataka during September 2022 to provide list of schools to carry-out the outreach program for the benefit of high school students. In response KREIS identified 20 institutions in rural areas for carrying out the activities proposed by KSCST through Research Scholars from Science for Rural India, IISc.

During the month of January and February 2023, visited three institutions.

7 th January 2023	Kittur Rani Chanamma Residential School located in Kondrahalli, Hosakote taluk, Bengaluru rural district
28 th January 2023	Ekalavya Model Residential School located in Mangala village of Kollegala Taluk, Chamarajnagar district

25 th 2023	February	Morarji Desai Residential School located in Sulibele, Hosakote Taluk, Bangalore Rural
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As per the interaction with the principal of the residential schools, they have opined that this kind of interaction program will help student to gain confidence in learning science and actively participate in the outreach activities.



B. National Science Day 2023

KSCST celebrates National Science Day to commemorate discovery of the 'Raman Effect', which led Indian scientist Sir C. V. Raman winning the Noble Prize in Physics in 1930. This year national Science Day was celebrated on the theme titled “Global Science for Global Wellbeing”. As a part of National Science Day 2021 following activities were organized

I. Science painting competition

On-the-spot painting competition: science on-the-spot painting competition was organised by KSCST on 11 February 2023 at the lawn opposite to the Main Building, Indian Institute of Science campus. An around 700 high school students (class 8, 9, and 10) of Bengaluru participated in the competition. The faculties of Chitrakala Parishat, Bengaluru selected 40 paintings for award.



Glimpse of painting competition

List of winners

Sl. No:	Name of the student	Prize
1.	Sinchana S. H. 9, Kendriya Vidyalaya IISC	First
2.	Aishwarya 9, Karnataka Public School, Sarakki	Second
3.	Ishita Nagsai K. 8, National Public School, Yeshwanthpura	Third
4.	Megha N. 10, Acharya Gurukula Vidya Kendra	Consolation
5.	Sudeep S. 8, Adarsha High School	Consolation
6.	Bhagya Lakshmi S. 8, Bapu High School	Consolation
7.	Sinchana 8, BBMP High School Ashok Nagara, Basavangudi	Consolation
8.	Moses Y. 8, BBMP Boys High School, Austin town	Consolation
9.	Vijeth Kumar V. 9, BBMP High School Bannappa Park	Consolation
10.	Sumaiya Banu 10, BBMP High School Broadway, Shivajinagar	Consolation
11.	Syed Sameer 9, BBMP High School Byraveshwara Nagara	Consolation
12.	Sowmya S. 9, BBMP Girls High School Cleveland town	Consolation
13.	Saraswathi Karalakunthi 8, BBMP High School Cottonpete	Consolation

14.	Dayam Fathima 9, BBMP High School Dispensary road	Consolation
15.	Roshini J. 9, BBMP High School Gandhinagara	Consolation
16.	Prathap Naik K. M. 9, BBMP High School Ganganagar	Consolation
17.	Dhanush Raj S. 9, BBMP High School Kasturbha nagar	Consolation
18.	Manyatha S. 8, BBMP High School Kodandrampura	Consolation
19.	Sumaiya 9, Srimathi Pramila Bai Mane BBMP High School Magadi road	Consolation
20.	Kiran S. 8, BBMP High School Marappanapalya	Consolation
21.	Bhagyalakshmi 8, BBMP Girls High School Mathikere	Consolation
22.	Jyothika B 9, BBMP Girls High School Srirampura	Consolation
23.	Anil Kumar 8, BBMP High School Shanthinagara	Consolation
24.	Naziya 9, BBMP High School Thimmaiah road	Consolation
25.	Kareena Sai n S. 9, BBMP High School Vidyaranyanagara, Magadi road	Consolation
26.	Karthik S. R. 8, Divine English School	Consolation
27.	Manya M. 9, Government High School IISc	Consolation
28.	Deepika H. 9, Government High School T. Dasarahalli	Consolation
29.	Keerthana B. Baragi 9, Kendriya Vidyalaya Malleshwaram	Consolation
30.	Nafeeza Shaik 9, Lourdes High School	Consolation
31.	Rizwana Begum 9, Nirmala Jyothi English High School	Consolation
32.	Divya J. 9, Nisarga Vidyanikethana	Consolation
33.	Adit Kumar 9, Oxford English school	Consolation

34.	T. A. Nartana 8, Poornaprajna High School	Consolation
35.	Nishal H. 9, Poornaprajna High School	Consolation
36.	John Peeter J 9, Shankar English School	Consolation
37.	Deepthi S. 9, Shree Maheshwari Public School	Consolation
38.	Varshitha V. 10, Shree Vidyanikethana, YPR	Consolation
39.	Sushmitha C. G. 8, Shri Sharada Vidya Mandira	Consolation
40.	Hema S. 9, Zen International School	Consolation
Prize for Teachers		
1.	Vishwanath P. Drawing Teacher BBMP High School , Mathikere	Best
2.	Veeresh H. K. Drawing Teacher BBMP High School , Srirampura	Best

II. Celebration of National Science Day 2023

Celebration of NSD 2023 on 28 February 2023: KSCST participated in the National Science Day 2023 event organised by KSTePS, Department of Science and Technology, Government of Karnataka on 28 February 2023 at Government PUC College, 18 cross Malleshwaram. KSCST exhibited a stall consisting working model of RWH, mathematical toys, 3D model of Hampi and posters on various activities. Dr. C. N. Ashwathnarayan, Honorable Minister for Higher Education, IT&BT, Science and Technology, Electronics and Skill Development, Livelihood, Government of Karnataka visited our stall.





Glimpse of NSD2023

III. Celebrating NSD 2023 in 31 districts of Karnataka

KSCST has 31 NRDMS centres in each district of the state. NSD 2023 was celebrated in 31 district in coordination with our NRDMS officials in their respective districts. A one day programme was organised in government / aided high school of each district. During the programme quiz, model making & technical talk were organised.



IV. Workshop on physics

In collaboration with Indian Academy Degree College - Autonomous Bengaluru organised 9th IAPT National Student Symposium on Physics 2022 from 21 to 23 December 2022 at B. V> Jagadeesh Science Centre, national College, Bengaluru.



6. The deliverables/ desired benefits to target groups/expected outcomes, & their utilization

KSCST shall popularize Science and Mathematics based on the theme provided by NSCTC through various activities including awareness programme, essay writing competition, lectures, seminars, quiz programme, model making, model exhibition, S&T conference and painting competition. Through various activities, KSCST motivates the young mind towards logical and critical thinking.

DECLARATION

This is to certify that the information provided in the Project completion report on “National Mathematics Day – 2022 and National Science Day – 2023” is complete and true to the best of my / our knowledge.



(Dr. U. T. Vijay)
Executive Secretary, KSCST

Place: Bengaluru
Date: 5 July 2023