

Monthly Descriptive Report of Programmes and Activities organized at Nehru Science Centre, Mumbai & its Satellite Units in May 2022

NEHRU SCIENCE CENTRE, MUMBAI

Azadi Ka Amrit Mahotsav- the 75 years of Independence - 75 Online Quizzes
As a part of Azadi Ka Amrit Mahotsav, Centre organized following series of programmes

Online Quizzes

The Centre conducted online quizzes as per the following:

Date	Topic	No of participants
03.05.2022	General Science	125
11.5.2022	Global Technologies	129
18.5.2022	Museums in India	89
24.5.2022	Biological diversity	64
25.5.2022	Current Tobacco measures in India	247
31.05.2022	World No Tobacco Day	39

Facebook live Science Demonstrations

03 online Science Demonstration shows were conducted through a Facebook live programme every Monday during the month viz: 16, 23, 30 May 2022. Experiments based on various scientific topics including the relationship between effective densities, homemade microscopes, Magnetism etc. The programme was viewed by 992 virtual audiences.

National Technology Day

The Centre observed National Technology Day by organising an online quiz on the theme 'Global Technologies' on 11 May 2022. 129 virtual audiences solved the quiz.

International Bio-Diversity Day

The Centre commemorated International Bio-Diversity Day on 24 May 2022 by organising an online Quiz on theme 'Biological Diversity'. 64 people solved

Online Vacation Workshops

The Centre organised 11 vacation online workshops on the following themes for high and middle school students:

Theme	Duration	Number of participants
Paper STEAMer workshop	1 May 2022	19
Kitchen Chemistry	1 May 2022	27
Astronomy Workshop	2 May 2022	40
Paper Gliders	2 May 2022	25
Candles workshop	3 May 2022	28
Experiments with Match boxes	3 May 2022	27
STEAM workshop for kids	4 May 2022	22
Soap Bubbles workshop	4 May 2022	20
Experiments with CD's	5 May 2022	17
Coding Workshop	5 May 2022	34
Experiments with balloons	6 May 2022	27

Vacation Onsite Workshops

The Centre organised various vacation onsite workshops on following themes for high and middle school students:

Theme	Duration	Number of participants
Junior Robotics workshop (2 nos)	1 to 3 May & 4 to 6 May 2022	10 19
Arduino workshop	7-9 May 2022	9
Science Sparkle Workshop	7-9 May 2022	34
Electronics	7 – 9 May 2022	19
Making Science Toys	7 – 9 May 2022	9
Model Rocketry	7 – 9 May 2022	12
Exploring Moon	7 – 9 May 2022	4
Aeromodelling	14 – 16 May 2022	5
Creative Art & Craft	14 – 16 May 2022	5
Interesting Chemistry	14 – 16 May 2022	11
Biology	14 – 16 May 2022	6
3d Modelling and Printing	14 – 16 May 2022	6
Senior Robotics workshop (2 nos)	24 to 26 May 2022 28 – 30 May 2022	17 20

International Astronomy Day

Panel discussion on Space Science, Technology and Policy: Future in India

A panel discussion on Space Science, Technology and Policy: The Future in India; was organized at the Centre on May 7th, 2022 on the occasion of the International Astronomy Day. It was a joint programme by the Centre and The Sky Explorers Group.

Shri Aslam Shaikh, Hon. Cabinet Minister (Ports & Fisheries, Textiles), Guardian Minister, Mumbai, Dr. S Seetha, Former Director Space Science Program office, ISRO, Educationists Dr Aniket Sule, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research and Dr Varun Bhalerao, Department of Physics, IIT Bombay, Shri Sheshadri Vishwanathan, Chief Business Development Officer at DorfKetal, Trentar, Garuda UAV & Trishula were among the august panellists. The session was moderated by Shri Shivaprasad Khened, Former Director, NSCM. 250 audiences including children, their parents, students, teachers, principals and CEO of schools were present on the occasion. Shri Arvind Paranjpye, Director, Nehru Planetarium, Mumbai graced the occasion as a special invitee.

International Museum Day 2022

The Centre celebrated International Museum Day with great fervour from 16 – 20 May 2022 by organising various activities and programmes. The programmes were initiated on 16th May 2022 by arranging Heritage walk – guided tour of the historical objects placed in the Science Park of the Centre. The participants were given interesting facts and information about the first Electric engine, Steam engine, Steam lorry, Tram, and Fighter plane displayed at the Centre. The tour was conducted by Shri S. M. Khened, Former Director, NSCM. The program was streamed on Facebook page of the Centre. 1528 people viewed the program. 79 students, teachers, parents and underprivileged children physically attended the program.

For the visitors who can't reach the Centre physically, a short film about the Centre was streamed on Facebook page of the Centre. The post reached to 1608 people.

On 17th May 2022, Green Treasure visit to Science Park of the Centre was arranged. Participants were taken on a tour to the science park where significance and special features of several plants were shared with the participants. They were made aware about the importance of trees in our lives. The tour was conducted by an official of the Science

Centre. 87 students, teachers, parents and underprivileged children participated in the programme.

2 workshops on science toy making were conducted for underprivileged children underprivileged children wherein they were provided with the kit for making the toys and were guided to build the toys. 183 children actively took part in the activity.

A Video clip about Mobile Science Exhibition was streamed on Facebook page of the Centre and it reached to 1,282 virtual audiences.

On International Museum Day i.e. on 18 May 2022, a new large format film 'Journey to Space' was launched in Science Odyssey by Chief Guest Prof. M. N. Vahia, Former Scientist, TIFR. He delivered a Popular Science Lecture on theme 'India in Space' for 210 participants which included students, teachers, parents and underprivileged children.

A special programme 'Science Ke Funday – a workshop on interactive science for 48 kids with parents was conducted on 18th May 2022. A show on Matter at Low Temperature was also conducted for the participants.

A Video clip about Machined to Think gallery was streamed on 18th May 2022 on Facebook page of the Centre. The post reached to 1074 virtual audience.

An online quiz on 'Museums in India' was floated on 18th May 2022 and 89 virtual audience including students, general public solved the quiz.

On 19 May 2022, a video clip about Evolution gallery was streamed on Facebook page of the Centre. The post reached 1408 virtual visitors.

On 19 & 20 May 2022, Make and Take workshop - a hands-on activity was conducted for 547 students, teachers, underprivileged children & general public.

A video clip about Science for Children gallery was streamed on Facebook page of the Centre. 293 people visited the post.

Exhibition by individual collectors was organised during May 16-20, 2022. Shri Rajendra Danduk, Shri Umesh Jadhav, Shri Abhay Phatak, Shri Pramod Navare, Shri Kaustubh Shejwalkar & Shri Ullhas Chogle displayed their rare collection of Numismatics, Perfume bottles, travel memorabilia, tram & bus tickets, match boxes and rare postal stamps etc respectively. 17762 people visited this exhibition during the period. The programme was also streamed Facebook live daily and reached to 5308 virtual visitors. In addition to the above, the photographs clicked at the Selfie point were shared on Instagram by visitors and the Centre was tagged in over 1000 posts at #nehrucentrecentremumbai#selfiepoint. Also, a portion of the main building of the Centre was illuminated with tri-colour during May 16-20, 2022.

A sky observation programme was also organised on 16 May 2022 for 102 visitors.

Paper Airplane Day

The Centre observed paper airplane day on 26th May 2022. A free online workshop was organised for our virtual audience. 700 people registered for the same and actually 113 people attended online workshop. Paper planes such as Falcon, super glider, the rocket, spin plane, Hanger etc were made by the participants. An online Quiz on theme 'Airplanes' was arranged and 273 people solved the quiz virtually. Also paper planes were made by 75 general visitors and students during the science shows.

World No Tobacco Day

On 31st May 2022 every year, World No Tobacco Day (WNTD) is observed all over the world following different theme every year. The theme of this year is 'Tobacco Threat to Our Environment.'

Nehru Science Centre, Mumbai and Department of Preventive Oncology, Tata Memorial Hospital organized several competition and lectures during May and June 2022.

Online Quiz on topic: Current Tobacco measures in India was organised on 25 May 2022 in which 247 participants solved the quiz.

On 30th May 2022 an awareness session on Health hazards on Tobacco and How to Quit Tobacco was organised for the staff members of the Centre. Dr. Subita Patil, Associate Professor & Physician, Dept. of Preventive Oncology, Tata Memorial Centre, Mumbai spoke tobacco use & its harmful effects and Ms. Parish Majmudar, Medical Social Worker, Tata Memorial Hospital spoke about, How to end Tobacco Habit. 95 staff members attended the session.

A Seminar on Tobacco Hazards

A Seminar was organised on 31st May 2022 on the topic 'Tobacco Hazards' in which 04 experts delivered lectures.

Lecture by Dr. Subita Patil, Associate Professor & Physician, Dept. of Preventive Oncology, Tata Memorial Centre, Mumbai was on the topic – Tobacco Use and threat to life. In her lecture Dr. Subita Patil emphasized the burden on tobacco use in world and India and she also mentioned about various forms of tobacco, their effects on human health and environment.

Topic of the Lecture by Dr. Shivam Kapoor, Technical Advisor, STOP, The Union, South East Asia Office was 'Environmental Effect of Tobacco'. Dr. Shivam Kapoor explained about various environmental effects of tobacco.

Lecture by Mr. Pranay Lal, Senior Technical Advisor, The International Union against Tuberculosis and Lung Disease was on the topic – 'Tobacco Industry Interference'. It was an eye-opener for people. Mr. Pranay Lal explained how celebrities from different fields help tobacco industries in their promotion.

Through his lecture Dr Rakesh Gupta, President, Rajasthan Cancer Foundation on topic Tobacco Cessation guided the participants on benefits of quitting tobacco and ways of tobacco cessation.

A total of 123, 341 & 38 participants watched the programmed live on Zoom, Facebook and YouTube respectively.

Package Tour

During the May month, 13 package tours were organized for about 388 students and teachers. They were given the Guided tour to the galleries, Science Odyssey, Science on Sphere show and Science Shows were organized.

NGO VISITS

During May 2022, in all 12 visits of underprivileged children were organised by different NGO's in Mumbai. 765 children visited NSCM during these visits. They were exposed to various facilities of NSC viz: SOS, 3-D films show, Science Odyssey etc along with Gallery visit. They were also provided with refreshment and science kits.

RAMAN SCIENCE CENTRE, NAGPUR

National Technology Day:

National Technology Day was celebrated at RSC, Nagpur on May 11, 2022. Two nos. of Popular Science lectures were organised. The lectures were delivered by Shri S. K. Jena, Sr. Manager, Nuclear Power Corporation of India Ltd on the topics Nuclear Power Clean, Green and Safe, The Environmental Aspects of Nuclear Power. 125 Students of Zulelal institute of technology and various schools participated.

International Museum Day:**An Exhibition- 'Collections make Connections:**

On the occasion of International Museum Day, Raman Science Centre in collaboration with Chhand Vaibhav, Nagpur organised an Exhibition- '**Collections make Connections**'. The individual collectors displayed their own unique personal collections like Stamps, Coins, Antiques, Brass articles, Old Stamp papers, newspapers, Gramophone and records, Match Boxes, Rubi Cubes, Soap carving Articles, Origami & Paper fold art, Wood Art, Bottle Art, Autographs & Photographs with celebrities etc. These collections reflected not only the richness of collective memories, but also the strong connections that objects make, across space and time. About 26 individual collectors have participated in this exhibition. This exhibition was inaugurated on May 18, 2022 by Shri R. N. Chaudhari, Ex Head & Curator, Central Museum, Nagpur. The exhibition was open for all the visitors of Raman Science Centre from 18 - 20 May 2022. It is visited by 2599 visitors.

Online Quiz on Museums: Online quiz on Museums was conducted on May 16, 2022 for the students of class VI to X. 60 students participated in it.

Online Treasure Hunt Contest: Online Treasure Hunt Contest was organised on May 17, 2022 for the students and general visitors. Questions were based on Exhibits of RSC, Nagpur. 44 students and general public participated in it.

Open House Quiz: Open House Quiz on Exhibits of RSC, Nagpur was organised on May 19, 2022. 35 students participated in it.

Science Demonstration Lecture on Fun at Low Temperature was organised at RSC, Nagpur on May 20, 2022 for the students and General Public. 120 students and general visitors witnessed.

Free Entry to Centre: Free Entry was given to visitors to RSC, Nagpur from 16-20 May 2022.

VACATION CAC:

Vacation CAC was conducted in 8 disciplines at Raman Science Centre from May 02 to May 28, 2022. In all 14 batches of Vacation CAC were conducted in which 232 students participated and fabricates 80 different kits. Totally 1364 kits were fabricated.

Discipline	Period	No. of Students	Titles of projects	No. of Projects	Total no. of Projects completed
Astronomy I	02.05.2022 to 07.05.2022	30	1. Sun Dial 2. Astrolabe 3. Sun Ball Projector 4. Telescope 5. Star Dial	05	150
Robotics I	02.05.2022 to 07.05.2022	14	1) Introduction of Robotics 2) Hands on activity on Lego kit and making basic Robo mechanism and their programming. 3) Introduction of Arduino and coding. 4) Line follower robo making using Arduino.	04	56
Electronics 1	02.05.2022 to 07.05.2022	06	1) Introduction of electronics components and electronic device 2) series and parallel circuit 3) Astable multivibrator 4) Automatic street light control 5) Timer circuit 6) Sequential light circuit. 7) Regulated Power Supply	06	36
Model Rocketry 1	02.05.2022 to 07.05.2022	30	1. Balloon Fan 2. Balloon driven Cart 3. Clinometer 4. Rocket stage I 5. Rocket Stage II	5	150

Aero modeling I	02.05.2022 to 07.05.2022	09	1. Paper Glider I 2. Roto-copter 3. Thermocol Glider I 4. Thermocol Glider II 5. Thermocol Glider III	5	45
Sci-Toy Making Workshop	09.05.2022 to 14.05.2022	23	1. Bird in A Cage, 2. Balloon Bin, 3. Climbing Bird, 4. Newtons Disc, 5. Benhams Disc, 6. Magnetic Levitation, 7. Magnetic pendulum, 8. Paper Glider, 9. Whoopster, 10. Balancing Bird, 11. magnetic Spring, 12. Flaxogon, 13. Floating Ball	13	299
Astronomy II	09.05.2022 to 14.05.2022	30	1. Sun Dial 2. Astrolabe 3. Sun Ball Projector 4. Telescope 5. Star Dial	5	150
Model Rocketry II	09.05.2022 to 14.05.2022	23	1. Baloon Fan 2. Baloon driven Cart 3. Clinometer 4. Rocket stage I 5. Rocket Stage II	5	115
Aero modeling II	09.05.2022 to 14.05.2022	21	1. Paper Glider I 2. Roto-copter 3. Thermocol Glider I 4. Thermocol Glider II 5. Thermocol Glider III	5	105
3 D Printing I	14.05.2022 to 19.05.2022	12	1. Introduction to 3-D printing 2. Different 3-D printing Processes 3. Introduction Tinker CAD 4. Creation of Digital Model of See Saw 5. Creation of digital Model of Roberval Balance	02	24
Creative Science	23.05.2022 To 28.05.2022	12	1. Soap Making 2. Slime Ball 3. Electroplating 4. Crystal Garden 5. Flower Dissection 6. Onion Cell Observation 7. Periscope 8. Kaleidoscope 9. Resonance 10. Paper Cup Flier	10	120
Robotics II	23.05.2022 To 28.05.2022	08	1) Introduction of Robotics 2) Hands on activity on Lego kit and making basic Robo mechanism and their programming. 3) Introduction of Arduino and coding. 4) Line follower robo making using Arduino.	4	32
Electronics II	23.05.2022 To 28.05.2022	12	1) Introduction of electronics components and electronic device 2) series and parallel circuit 3) A stable multivibrator 4) Automatic street light control 5) Timer circuit 6) Sequential light circuit. 7) Regulated Power Supply	6	72
3-D Printing	23.05.2022 To 28.05.2022	02	1. Introduction to 3-D printing 2. Different 3-D printing Processes 3. Introduction Tinker CAD 4. Creation of Digital Model of See Saw 5. Creation of digital Model of Roberval Balance	05	10

No Shadow Day:

The Centre has organized a special observation programme to witness the Zero Shadow for the astronomy lovers to enjoy this game of shadow on 26th May 2022.

Popular Science lecture was organised on No Shadow Day on May 26, 2022. The lecture was delivered by Shri Mahendra Wagh, Technical Officer Planetarium, RSC, Nagpur. 35 students, parents and general public were present on the occasion.

REGIONAL SCIENCE CENTRE, BHOPAL

Innovation Hub Programmes

Innovation Hub of the Centre organized a total of 26 orientation sessions on various topics viz: Learning with Arduino, Introduction to Python, Virtual Robotics, Creative Mathematics, Creative Science Physics, Fun with Chemistry etc. The sessions were organized in both online & offline mode and a total of 290 students took part in these orientation sessions.

Summer Vacation Hobby Camp

The second phase of the Summer Vacation Hobby Camp was commenced and a total of 10 camps were conducted with 21 student participants. The details of the Camp are given below:

Sr. No.	Period	Name of the Camp	Participants
1	May 2-6	Creative Science Physics	4
2		Wonders of Electronics	1
3	May 9-13	Clay Modeling	3
4		Introduction to 3D Designing & Printing	3
5		Hands-on Virtual Robotics	1
6	May 16-20	Creative Mathematics	1
7		Introduction to 2D Graphics using CorelDRAW	1
8	May 23-27	Learning with Arduino	3
9		Creative Science Physics	3
10		Arts & Craft	1
		No. of Workshops – 10 nos.	21

One Day Workshops

Besides the summer camp, the Centre has organized following one day workshops for the school students of class 6 to 12. A total of 7 workshops were organized for a total of 18 students.

Sr. No.	Date	Name of the Workshop	Participants
1	May 13	Creative Physics	1
2	May 14	App Development	4
3	May 15	Creative Mathematics	2
4	May 15	Wonders of Electronics	4
5	May 20	3D Designing	2
6	May 21	Design an electronic project using NodeMCU	3
7	May 22	Design a Microcontroller Project using Tinkercad	2
		No. of Workshops – 7 nos.	18 nos.

Celebration of International Museum Day

The Centre in collaboration with Indian Oil, Bhopal, celebrated the International Museum Day by conducting a week-long programme from May 16-20, 2022. The programme was kick-started on 16th May, 2022 with a Panel Discussion on Power of Museums in online mode. The panelist for the discussion were: Sh. Prakash Paranjpe, Dy. Director, State

Museum, Bhopal, Prof. Sarit Kumar Chaudhuri, Head, Department of Anthropology, Rajiv Gandhi University, Arunachal Pradesh, Dr. Manoj Kumar Sharma, Scientist 'D' & In-charge, Regional Museum of Natural History, Bhopal and Sh. Ashok Mishra, Officer-in-charge & Curator, MP Tribal Museum, Bhopal. The discussion was streamed live on official YouTube Channel of the Centre. On 17th May, 2022, an MSE programme on the topic 'Energy' was organized at SOS Village, Balagram, Bhopal wherein a total of 200 under-privileged students participated. As a part of the programme, a Science Show was organized and free science kits were distributed to the students. On 18th May, 2022, an exhibition on 'My Own Collections' was organized wherein a total of 47 collectors from various districts of MP participated and exhibited their precious collections on Postage stamps, Currency notes, old house-hold items etc. Dr Praveen Kumar Mishra, Regional Director (Central), ASI, Bhopal graced the Valedictory Function and felicitated the collectors with mementos and certificates. On 19th May, 2022, a Painting Competition on the topic "Powers of Museum" was organized wherein 29 students (Class: 8 to 10) participated.

A series of events were conducted to mark the concluding day 20th May, 2022 of the week-long celebration of International Museum Day. A Popular Lecture was delivered by Prof Aasheesh Srivastava, Dean, Strategy, Planning & Development, IISER, Bhopal on the topic "Bioluminescence" to an audience of nearly 100 visitors. The lecture was supported by a PowerPoint presentation and demonstrations on the concept of bioluminescence. The climax of the event was reached with the unveiling of a travelling exhibition on "Mind Over Matter: A Tribute to Prof. Stephen Hawking". Shri K.V.S. Choudary, BMC Commissioner, Bhopal inaugurated the exhibition in the presence of Shri K. Bissa, Chief General Manager, IOCL, Bhopal. Following this, the Inaugural function was held in the auditorium which was graced by Shri K.V.S. Choudary as the Chief Guest. He also gave away the prizes to the successful participants of the Painting competition conducted earlier. A total of 120 under-privileged students visited the Centre who were entertained with free snacks and science toys. An Open House Quiz was also conducted among college students on the topic "Achievements of India in Science & Technology in post-independence period" wherein 25 students participated.

The Centre was also kept open for an extended period free for the visitors during the afore-said period.

National Technology Day

The Centre celebrated the National Technology Day on May 11, 2022 by organizing a series of educational programmes in offline & online mode. To mark the event, various programmes viz: Online & Offline Elocution Contest, Demonstration of Technology Contest, Popular Lecture, Technology Quiz etc. were organized.

A total of 12 participants participated in the elocution contest organized in online mode on the topic "Science & Technology for Sustainable Future". A total of 5 participants participated in the "Demonstration of Technology Contest" organized in online mode & a total of 18 students participated in the quiz organized in offline mode on the topic "Achievement of India in S & T".

The Popular Science Lecture on the topic "Nuclear Energy: A Viable Green Source" was delivered by Shri Umed Yadav, Additional Chief Engineer, Directorate of Corporate Planning & Corporate Communications, NPCIL, Mumbai. The lecture was streamed live on the official YouTube Channel of the Centre and was viewed by around 200 viewers.

Mobile Science Exhibition Programme in collaboration with MP Tourism, Bhopal

The Centre in collaboration with MP Tourism Development Corporation, Bhopal organized Mobile Science Exhibition programmes at Sair Sapata, Bhopal on May 6, May 13, May 20 & May 24. During the exhibition, Sky Observation Programmes were also organized for the visiting audiences. Around 1500 visitors including students, teachers, general public got benefitted of the programme.

Bamboo Webinar Series

A Bamboo Webinar Series is being organized by Barkatullah University, Bhopal & Bamboo Entrepreneurship Development Foundation, Balaghat in collaboration with IIT, Bombay, IIFM, Bhopal, MP State Bamboo Mission, Bhopal. RSC, Bhopal is actively collaborating in the event.

The 21st edition of series under the theme 'Bamboo Symphony, Bamboo Music and Instruments' was organized on May 6, 2022. The Webinar was kick-started with the opening remarks of Dr. A.K. Bhattacharya, IFS (Retd.), Technical Advisor, Bamboo Development Authority, Balaghat. The key speakers for the webinar were Mr. David Mudzingwa Tapafuma from Zimbabwe, he comes from the Shona Tribe, and Mr. Subhashis Sabyasachi Ghosh from Kolkata who holds a master's degree in Tabla & JRF (Music).

The Webinar was streamed live on the official YouTube Channel of the Centre and so far, it is viewed by around 100 viewers.

GOA SCIENCE CENTRE AND PLANETARIUM, PANAJI

Creative Science Workshop

As a part of Vacation Creative Abilities Activity, activity-oriented creative Science Workshops were conducted from May 9-12, 2022 for the students of class VIIth to Xth standard. Total 9 students participated in the workshop.

National Technology Day

The Centre celebrated National Technology Day 2022 on May 11, 2022, by organizing an Aeromodelling workshop. During the workshop participants were explained the principles of flight and different aspects of aeroplanes and flying machines to tune with some baseline information. Students were taken to test the flight and were trained in correcting flights students also experimented with variables for correct flight. In total 10 students participated in this Workshop.

International Museum Day

The Centre celebrated International Museum Day by organizing various programs and competitions from May 16-20, 2022. Details as given below:

- **Live Chat show on Air FM Rainbow Goa**
Project Co-ordinator of Goa Science Centre, Shri Venkata Durga Prasad participated in a live chat show on May 14, 2022, hosted by FM Rainbow, All India Radio, Goa giving information about the weeklong celebration of International Museum Day 2022 to the general public.
- **Exhibit Hunt Quiz**
Exhibit Hunt Quiz was organized for the public visiting the Centre on May 16, 2022, wherein spot question about the exhibits of the Centre was asked and spot prizes were awarded to the visitors. A total of 120 public participated in the quiz.
- **Visit Underprivileged children**

A free visit to a total of 23 Underprivileged children was arranged on May 17, 2022. During their visit they were given a guided tour of the galleries, 3D shows, Planetarium Show, make and take science toy session and Science Demonstrations and refreshments.

- **My Collection**

An exhibition on My Collection was inaugurated by Dr M. R. Ramesh Kumar, Former Scientist from the National Institute of Oceanography, Goa on May 18, 2022. In total 12 participants displayed their collections like stamps. Coins, etc.

The Valedictory function was organized on May 20, 2022. The Chief Guest of the function Shri Satish Nayak, President of the Association of Friends of Astronomy felicitated the participants with mementoes and certificates.

- **Science Show**

The Science show was organized for the general public visiting the Centre on May 19, 2022. A total of 40 no's public attended the show.

- **Make & Take Science Toy Making Session**

The make and Take Science toy making session was organized on May 20, 2022, for the school children where they learnt about sound and how sound is produced by making Science toys. A total of 17 no.s school children attended the session.

Innovation Hub ActivitHands-on on Chemistry Workshop

As a part of the Innovation Hub activity, the Centre organized a Hands-on Chemistry workshop for the students of class Vth to VIIth standard from May 25-27, 2022. During the workshop, students learned basic chemistry concepts by performing experiments, and various instruments used in a chemistry lab were explained to them. A total of 14no.s students participated in the workshop.

Skill Development in Electronics Workshop

The Centre will be organizing a Skill Development in Electronics workshop for the students of class VIIth to Xth standard from May 30 to June 2, 2022, where students will learn basic electronics. Practically understanding the functions of different electronic components and assembling them with soldering practices. A total 9no.s students in total registered for the workshop.

DISTRICT SCIENCE CENTRE, DHARAMPUR

National Technology Day

The Centre celebrated National Technology Day by organising an online Popular Science Lecture on 11.05.2022 on the topic "Past present and future of biological sciences and technological innovations" delivered by Dr Dehin Bhagat, Assistant professor, Microbiology Department at Shrimad Rajchandra Vidyapeeth, Dharampur. Total 45 students participated in the programme.

International Museum Day

International Museum Day was celebrated on the theme "The Power of Museums" at the Centre in collaboration with The Lady Wilson Museum, Dharampur from May 16, 2022 to May 20, 2022, by organizing various educational activities and programmes. Free entry was given to visitors from 9.30 am to 8.00 pm. A special visit to the Lady Wilson Museum, Dharampur was organized for students. Warli painting and art & craft workshop was organized from May 16, 2022, to May 18, 2022, for 32 the students. Popular Talk was organised on May 17,2022 on the topic " The History of Princely State, Dharampur" delivered by Shri Gauravdev Sisodiya. A Popular Science lecture on the topic "The Power of Museums" was organized at the Centre. The lecture was delivered by Dr Indra Vats, Curator, Lady Wilson museum Dharampur. 2 Sky observation programmes were also organized on May 16-17,2022 to observe, Moon, Constellations, & other celestial bodies

through the telescope. Demonstration of Folk instrument Tarpa was organised for visitors. During the celebration guided tour of the Centre, SDL and Fun at low Temperature Liquid Nitrogen Shows, Mobile Science Exhibition, Open House Quiz contest etc. was organised for visitors. In all total 3384 students & citizen participated in the programme.

Model Rocketry Workshop

Model Rocketry workshop was organized at the Centre from May 19-20, 2022. All 12 students participated and completed 36 Model Rockets & launched during the workshop.

Robotics

Robotics Workshop for students has organized at the Centre from May 21-22, 2022. In all 25 students participated and were exposed to Basic robot building, Basics of programming, obstacle avoidance, Obstacle remover, Line follower Function of various sensors and programming.

Zero Shadow Day

Zero Shadow Day was observed on 23rd May 2022 at 12.33 pm at the Centre. Special arrangements were made to observe Zero Shadow Day at the Centre. The shadow disappeared when the sun came right over the head (Zenith). All 81 students and general visitors participated in the programme.

Vacation Creative ability workshop

Vacation Creative ability workshop 2022 was organized from May 24, 2022, to May 26, 2022. Students were exposed to hands-on activities and programmes. About 72 projects on Physics, Chemistry, Biology and mathematics were completed during the workshops. As part of the programme Science Demonstration lecture, a Guided tour for gallery visits and Liquid Nitrogen show programme were organized during the programme.