

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

NEHRU SCIENCE CENTRE, MUMBAI

Azadi ka Amrit Mahotsav

The 75 years of Independence

As a part of Azadi Ka Amrit Mahotsav, Centre organized following series of programmes

75 Online Quizzes

The Centre conducted online quizzes as per the following:

Date	Topic	No of participants
June 05, 2022	Environment	513
June 07, 2022	Human Health: Visions & Realities	57
June 14, 2022	World Oceans	98
June 15, 2022	World Wind Day	103
June 21, 2022	Sound	128
June 25, 2022	Inventions	89
June 28, 2022	Asteroid Day	512

75 Facebook live Science Demonstrations

04 online Science Demonstration shows were conducted through a Facebook live programme every Monday during the month viz: 6, 13, 20, 27 June 2022. Experiments based on various scientific topics including the relationship between effective densities, homemade microscopes, Magnetism etc. The programme was viewed by 4637 virtual audiences.

75 Chemistry Facts

The Centre prepared in-house a series of 2-3 minutes' duration video clips based on the interesting chemistry facts which we come across in our daily life. From June 1, 2022, daily 1 video clip is shared on Centre's all social media handles – Whatsapp groups, Instagram, Facebook page. Reach for the video clips is 28354

Popular Science Lecture (World No Tobacco Day)

As a part of World No Tobacco Day celebration, the Centre organized an online Popular Science Lecture on the topic 'Oral pre-cancers and Cancers in India' by Dr. Sunali Khanaa, Associate Professor, Nair Hospital Dental College. The programme was organized in collaboration with Tata Memorial Hospital, Mumbai. The lecture was conducted on Zoom platform and was also streamed on Facebook page of the Centre. 67 participants joined on the Zoom platform and the Facebook reach was 489.

Elocution, Photography, Drawing, Short Film making contests were also organized and the number of entries received were 25, 90, 342 and 13 respectively.

Online workshops with material

The Centre organized 04 online workshops on 4th & 5th June 2022. The required material for the workshops was delivered to the registered students from all over India. The workshops were, namely, Amazing Science activities & toys, Fly & Enjoy, Learn through Fun and Seeing is not Believing. 84 number of students participated in these workshops

World Environment Day

The Centre commemorated World Environment Day by organizing various activities, contests, panel discussions and workshops on 4th & 5th June 2022.

Online Quiz:

The Online Quiz contest on the topic "Only one Earth" was announced online for a day on 5th June 2022. The contest was open for all. It had received overwhelming response. 530 participants took the test.

Painting contest

Painting contest was organized in three categories. Under Category A students upto 5th Std could participate. The topic for this category was given as "Earth: Our only home". 94 students submitted their paintings under this. The category B was for students from 6th to 8th Std. and topic given was as "Earth & Sustainability". 59 students participated in this category. The last category was for 9th to 10th Std. students on the topic "Responsible Consumption". In this category 23 students submitted their creations.

Elocution Contest: The Elocution contest was organized for 8th to 12th Std. students. In this contest students were to record their speech in the format of video for maximum 3 min duration and were asked to submit the same online. We received 14 entries for the contest.

Online Panel Discussion on Only one Earth; Just Think.

An Online Panel discussion on 'Only one Earth; Just Think' was organized on 5th June 2022 on Zoom platform. The 04 distinguished panelists were - Shri Manish Sharma IPS, Addl. Director General of Police Govt. of Madhya Pradesh, Dr. Rakesh Kumar, Former Director, NEERI Headquarters, CSIR Delhi, Ms. Sumaira Abdulali Environmentalist, BNHS & Founder, Awaaz Foundation and Dr. Sunali Khanna, Associate Professor Nair Hospital Dental College, Mumbai. The programme was streamed on the Facebook page of the Centre. The Facebook reach was 1 013.

Plantation:

The Centre organized a tree plantation programme at the NSC Campus. 10 trees were planted in the campus at the hands of visitors of the Centre.

Workshops

Make and Take workshops were conducted on 5th June 2022 for the visitors of the Centre. The workshops were on making Paper Bags, Tetra-pack Bird Feeders & Wind Turbines. In all 287 visitors participated in these workshops respectively.

Chalte Chalte:

The Centre organized on the spot quiz 'Chalte Chalte' for its visitors. The visitors were asked questions based on the theme "Only one Earth". Visitors who gave the correct answers were given prizes. This quiz was conducted on 4th & 5th June 2022. The programme was organized in collaboration with FICC-Flow, Mumbai. 86 visitors participated in the event.

Science On a Sphere:

The Centre organized a specially developed show at 'Science on a Sphere' facility of the Centre. The topic of the show was 'Only One Earth'.

Pledge

Online pledge programme was organized for general public & students. 576 people participated took the pledge.

Inauguration of Science and Innovation Activity Centre, Baramati

The Science and Innovation activity Centre, Baramati, was inaugurated on 16th June 2022. Mr Gautam Adani, Founder and Chairman, Adani Group, was the Chief Guest and Hon'ble Agriculture Minister Shri Sharad Pawar, presided over the function. Around 7,200 students, teachers and others participated in the programme. A hands-on workshop was also organized for a group 55 students.

International Day of Yoga

The Centre commemorated International Day of Yoga in collaboration with The Art of Living, Mumbai in online as well as offline mode. It was jointly organized with all the satellites units in the western zone. The programme was also streamed on the Facebook page of the Centre. The resource persons demonstrated and explained the different asanas to the audience. 1129 members joined on Zoom, Facebook reach was 1266, 126 Staff members of NSC and satellite units, 25 underprivileged students attended the session.

Sci-Birthday

03 Sci-Birthday events were organized on 4th, 6th & 25th June 2022 with a group of 30, 50 & 30 people respectively. The participants were taken around in the galleries, enjoyed 3D show, SOS show and Motion simulator ride. A session on hands-on activity was also organized with most exciting science demonstration on Liquid Nitrogen.

Asteroid Day

The Centre celebrated Asteroid day by organizing Elocution contest, online Quiz contest, Group discussion and a panel discussion with experts during June 28-30, 2022. Number of participants for online quiz, Elocution and group discussion were 512, 52 and 276 respectively. Panel discussion is going on currently.

RAMAN SCIENCE CENTRE, NAGPUR

No Tobacco Day

On No Tobacco Day an online Quiz on topic 'Current Tobacco Measures in India' was conducted on 31st May 2022. 87 students from all over India participated in the quiz.

World Environment Day Celebration

World Environment Day was celebrated at the Centre on 5th June 2022 by organizing following programmes.

Sit & Draw Competition

Sit & Draw competition was organised on the occasion of World Environment Day on 05th June 2022. The competition was divided into two groups - Junior & Senior. The topics for drawings

were “Clean & Green Environments” for the group of Class I to V and “Only One Earth – Living Sustainably in Harmony with Nature” for the group of students from Class VI to X. In all 260 students participated and have drawn beautiful paintings on the topics.

Exhibition Ashtanghridaya

An Exhibition Ashtanghridaya was organised on World Environment Day on 05th June 2022, 30 live species of plants of medicinal value and their products were on display in the exhibition. The exhibition was inaugurated by Dr. (Mrs) Shalini Dhyani, Senior Scientist, CSIR-NEERI, Nagpur. This exhibition was visited by about 756 visitors.

Open House Quiz

An open House quiz for students of class V to X was also organised on the occasion of Environment Day. In the quiz questions based on Environmental Science were asked. 120 students participated in the quiz. Book prizes were awarded to the successful students.

Popular Science Lectures

Two Popular Science Lectures were organised, one on the topic “Only One Earth - Living Sustainably in Harmony with Nature” The lecture was delivered by Dr. (Mrs.) Shalini Dhyani, Senior Scientist, CSIR-NEERI, Nagpur. Another Lecture was delivered by Vaidya Surabhi Pathak, from Pathak Ayurvedic Pharmacy on the topic “Ayurveda - A Healthy Lifestyle”. Both the lectures were attended by 156 students and parents.

Tree Plantation programme

On World Environment Day the 5th June 2022 a tree plantation programme was also organised at the Centre, Guest, scientist from CSIR-NEERI Nagpur and officers and staff members of the Centre planted 15 saplings in the premises of the centre.

Launching Of New Digital Planetarium Show

A new digital full-dome planetarium show titled “The Sun: Our Living Star” was launched in the Planetarium at the Centre on 18 June 2022. The show was inaugurated by Dr. G. Sreenivasan, Scientist SG, Dy. General Manager, Regional Remote Sensing Centre (Central) ISRO, Nagpur. 94 students, teachers and parents were present on the occasion and viewed the inaugural show.

International Day of Yoga

The Centre collaborated with Art of Living, Mumbai and Nehru Science Centre, Mumbai to celebrate International Day of Yoga and organised yoga session on 21st June 2022 from 7.30 am to 9.00 am. This year's theme was Yoga for Humanity. 92 Science Centre members with their family members and officers and staff of the Centre participated in the programme. As instructed by experts online, all participants performed Energizing Pranayams, Asanas Standing, Sitting, Pron & Spine Postures, Relaxation & Meditation etc

REGIONAL SCIENCE CENTRE, BHOPAL

Innovation Hub Programmes

Innovation Hub of the Centre organized a total of 5 orientation sessions on various topics entitled Learning with Arduino, Programming with Python and Android App Development. A total of 30 students took part in these programme. Apart from this, a programme entitled 'A Day With Mentor' was also conducted in two sessions comprising topics on Learning with Arduino, Programming with Python and Android App Development in which 20 students participated.

World Environment Day :

The Centre celebrated the World environment Day on 5th June, 2022 by conducting a Workshop on Exploring Nature for school students. Dr Suchitra Banerjee, HOD, Deptt of Biotechnology, Institute for Excellence in Higher Education (IEHE), Bhopal conducted the Workshop. A total of 20 students participated in the programme. A Nature Quiz was also organised to mark the occasion in which 20 students participated. A campus plantation programme was also taken up with the staff members of the Centre.

Celebration of International Asteroid Day

The Centre celebrated the International Asteroid Day on 30th June, 2022 by organizing a series of events. The United Nations has designated this day as the International Asteroid Day to commemorate the Tunguska asteroid explosion event of Siberia of 30th June, 1908 and to sensitize the humanity of a potential asteroid impact that may cause substantial damage to the life on earth. The event unfolded with the delivery of a Popular Lecture on the topic 'Psyche : A Journey to a Metal World' by Prof David A. Williams, School of Earth & Space Exploration, Arizona State university, USA and Co-investigator, NASA's Psyche Mission. The programme was live-streamed through the official YouTube channel of the Centre and a total of 87 viewers viewed the programme on online mode. Apart from this, a hands-on Workshop on 'Asteroid Model Making' was also organised wherein the participants developed models of asteroids using modeling clay. The mechanism for the formation of an impact crater was also demonstrated to the students using a mock-up experiment. A total of 7 students participated in this programme.

Celebration of International Day of Yoga

The Centre in collaboration with Nehru Science Centre, Mumbai & The Art of Living organised a Practical Yoga Session in online mode on the occasion of International Day of Yoga 2022 i.e on

June 21, 2022. Officials from the Centre along with students and teachers from different institutes in Bhopal and the general public, attended the session and practiced yoga.

GOA SCIENCE CENTRE AND PLANETARIUM, PANAJI

World Environment Day

The Centre celebrated the World Environment Day from 5th to 15th June 2022 by organizing various programs as follows:

Slogan Writing for general visitors

A panel with tree design was placed in the fun science gallery on June 5, 2022 and visitors were asked to write a slogan on environment on a paper leaf and paste it on the tree. In total around 45 visitors participated in the program.

Cleanliness Drive

As part of Swachha Bharat Abhiyan, the premises of the Centre were cleaned by the staff of Goa Science Centre on June 6, 2022.

Spot Quiz

A spot quiz on environment was conducted for the visitors on June 7, 2022. In total around 65 visitors participated in the quiz.

Science Film Show

A film show on Environment was screened for the visitors on June 8, 2022 at 11.30am and 4.00pm. In total around 42 visitors viewed the film.

Plant a Sapling activity

The staff of the Centre planted plant saplings in the premises of the Centre on June 9, 2022.

Dry Ice Show

As a part of Induction Course for TGT (Mathematics) in Navodaya Leadership Institute, South Goa 82 teachers visited the Centre on June 10, 2022 where dry Ice show was demonstrated to them.

Visit to Medicinal Plant Corner of the Centre

A guided tour to the medicinal plant corner of the Centre was organized for the visitors of the Centre on June 11 & 12, 2022. In total 32 visitors participated.

Painting and Poster Designing Competition

A painting and Poster Designing Competition was organized for the school students on June 13, 2022. The painting competition was organized for the students of class Vth to VIIth on the topic 'Save Environment, Save Earth'. Whereas the Poster designing competition was organized for the students of class VIIIth to Xth on the topic 'Only One Earth'. In total 282 students participated in the competition.

Learn Science from Trash Workshop

A workshop on the topic 'Learn Science from trash' was organized for the students of class VIIth to IXth on June 14, 2022. The workshop included a presentation on garbage management and the students also made a science project using waste plastic bottle. In total 47 students participated in this workshop.

Popular Science lecture

A popular science lecture on the topic 'Only One Earth' was delivered by Dr. Pranoy Baidya faculty in department of post-graduation and research at Govt. College of Arts, Science & Commerce, Sanquelim on June 15, 2022. In total 208 students and teachers participated in the lecture.

Valedictory and prize distribution function

The valedictory function of the program was organized on June 15, 2022. The winners of painting and poster designing competition were awarded prize by guest speaker Dr. Pranoy Baidya on this occasion.

Keynote address in Navodaya Leadership Institute, South Goa.

The Projector Coordinator of the Centre, Shri Venkata Durga Prasad K. delivered the key note address during the inaugural function of Induction Course for TGT (Mathematics) in Navodaya Leadership Institute, South Goa on June 6, 2022. In total 97 teachers attended the program.

International Yoga Day

The staff of the Centre practiced Yoga Asanas from 7.30am to 9.00am on June 21, 2022 on occasion of 8th International Day of Yoga. The program was jointly organized by Nehru Science Centre, Mumbai and Art of Living.

DISTRICT SCIENCE CENTRE, DHARAMPUR

Environment day celebration:

The Centre celebrated World Environment Day 2022 on June 5, 2022 on theme 'Only One Earth'. Programmes such as popular Science lecture on the topic "Living Sustainably in Harmony with

Nature” was organised Shri Manilal Bhusara, District Education Officer, Dang delivered the lecture and another lecture on topic “Our Environment and Nuclear Power” delivered by Mudita Singh, Scientific Officer ‘F’ NPCIL, Tarapur. Open house quiz on topic “Trees and Environment was organised for the students. Special screening of 3D film show “SOS Planet” was organised. Liquid Nitrogen Show was organised for the student participant. Sapling plantation was done during the programme. In all 109 students participated in the celebration.

Aeromodeling Workshop

A workshop on Aeromodelling was conducted for the students from June 5-6, 2022. During the workshop participants developed working models of gliders of different size and material. In all 4 models were completed and successfully launched.

International Yoga Day:

8th International Day of Yoga was celebrated at the centre on June 20-21, 2022 on theme “Yoga for Humanity” by organizing various programmes and activities. A session on Yoga practice & meditation was conducted by Smt. Punam Joshi and Smt. Purna Mahant, Yoga Coach, Dharampur for staff members & general visitor. Total 36 staff and visitors participated in yoga session. Yoga session was followed by a popular science lecture on topic Yoga and Health benefits for staff members and visitors. Smt. Purna Mahant, Yoga Coach, Dharampur, Gujarat State Yog Board delivered the lecture. Total 36 staff and general visitors attended the lecture. 16 girls from K D Kaya chhatralay, Nagaria performed dance on Yoga posture. Yoga Quiz was also conducted 64 students participated in the quiz. District Science Centre, Dharampur, Nehru Science Centre, Mumbai in collaboration with The Art of Living, organised online session on Yoga on June 21, 2022.

Online Hindi Workshop

The Centre participated in the Online Hindi National Workshop on "Use of Rajbhasha Hindi in official works" organized by the National Council of Science Museums on June 16, 2022. The meeting was attended by members of the Official Language Implementation Committee of the Centre. The workshop was conducted by Shri Sunil Kumar Loka, Deputy Director (Hindi Teaching Scheme), Rajbhasha Vibhag, Government of India.

Visit of Underprivileged children

The Centre organized a special programme for Visit of Underprivileged Children from 1st June to 30th June 2022. Total 153 students in 3 groups from tribal belt of Dharampur, Kaparada Taluka and Navsari District visited the Centre. They were provided free entry to the Centre and other facilities like Planetarium Show, 3D Show. Science Demonstration Lecture, Guided tour to the gallery was organized for them. They were given Science kits, and refreshment.