

## **Monthly Descriptive Report of Programmes and Activities organized at Nehru Science Centre, Mumbai & its Satellite Units in April 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 **03** online quizzes as per the following:

| <b>Date</b>    | <b>Topic</b>    | <b>No of participants</b> |
|----------------|-----------------|---------------------------|
| April 12, 2022 | General Science | 778                       |
| April 26, 2022 | Astronomy       | 290                       |

##### **FB live Science Demonstrations:**

03 online Science Demonstration shows were conducted through Facebook live programme on every Monday during the month viz: 4, 11, 18 April 2022. Experiments based on various scientific topics including relationship between density & mass, Chemistry Demo etc. The programme was viewed by 1405 virtual audiences.

##### **Sci-Mail:**

Sci-mails, the quarterly membership newsletter was published, shared and uploaded on Social Media handles of the Centre. The post has been reached to 4315 people.

##### **International Day of Human Space Flight:**

International Day of Human Space Flight was celebrated at the Centre on April 12, 2022 in collaboration with Russian Centre for Science and Culture in Mumbai. The programme started with homage to Cosmonaut Yuri Gagarin by the chief guest, His Excellency Mr Aleksei V Surovtsev, the Consul General of Russia in Mumbai and by the guest of honour, Dr Elena Remizova, Vice-Consul & Director of Russian House in Mumbai along with other 69 invitees by offering flowers. To commemorate the event an online quiz and an open house quiz on the topic 'Space Flight' was organized by the Centre. 772 students registered for the online quiz and 89 students submitted the solutions. 162 visitors participated in the Open House Quiz.

##### **World Health Day:**

The Centre commemorated World Health Day as a part of AKAM programme by organising online science quiz on theme 'Health' on 5<sup>th</sup> April 2022. 141 people solved the quiz.

##### **World Heritage Day:**

The Centre commemorated World Heritage Day as a part of AKAM program by organising online science quiz on theme 'Indian Heritage' on 18<sup>th</sup> April 2022. 231 people solved the quiz.

##### **Earth Day:**

The Centre commemorated Earth Day as a part of AKAM program by organising online science quiz on theme Earth on 22<sup>nd</sup> April 2022. 778 people solved the quiz.

##### **Sci-Birthday:**

3 Sci-Birthday programmes were organised on 14<sup>th</sup> and 23<sup>rd</sup> April 2022 for 100 children. Children were engaged in making hands on science activities, Science on a Sphere show & gallery visit.

##### **Package Tour**

During the month, 09 package tours were organized for about 395 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 April 2022, in all 5 visits of underprivileged children were organised by different NGO's in Mumbai. 236 children visited the Centre 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**

### **World Health Day Celebration:**

World Health Day was celebrated at the Centre on April 7, 2022, by organising a Popular Science Lecture on 'Our Planet - Our Health'. The lecture was delivered by Dr. Abhay Chavan, Assistant Professor, Department of Community Medicine, Govt. Medical College and Hospital, Nagpur. 105 Students of J.N. Tata Parsi Girls School and Pandit Bachchharaj Vyas Vidyalaya Nagpur participated in the programme.

### **Earth Day Celebration**

Earth Day 2022 was celebrated at the Centre by organising following programmes on April 22, 2022.

### **Drawing Competition:**

As a part of Earth Day Celebration the Centre organised a Drawing Competition for the students of class VII to X on April 22, 2022. The Topic of the drawing Competition was "Green Technology for sustainable Future". 75 students from different schools participated in competition and have drawn their imaginations on paper and made beautiful paintings. Selected paintings were awarded with prizes and certificates.

### **Popular Science Lecture:**

A Popular Science lecture was organised on April 22, 2022. The lecture was delivered by Dr. Shalini Dhyani, Sr. Scientist, CSIR-National Environmental Engineering Research Institute, Nagpur on topic "Invest in Our Planet". 127 students from Shri Rajendra High School and Dinanath High School, Nagpur participated in the lecture.

### **Special Show in Science on A Sphere:**

Special Show on "Mother Earth- The Blue Marble" was launched on April 22, 2022. 125 students witnessed the show.

### **Open House quiz:**

Open House Quiz on topic 'Our Earth' was organised on April 22, 2022. 125 students from various schools participated in the event.

## **REGIONAL SCIENCE CENTRE, BHOPAL**

### **Innovation Hub Programmes**

Innovation Hub of the Centre organized a total of 8 orientation sessions on various topics under the course titled 'Learning with Arduino using Tinkercad using LEDs, potentiometer and Pushbuttons etc. All these orientation sessions were organized in hybrid mode (online & offline) and a total of 40 students took part in the same.

### **Celebration of Earth Day:**

The Centre celebrated a series of events to mark the observation of Earth Day on 22nd April, 2022. As a part of the programme, an offline Painting competition on the topic "Save Earth to Save Life" for school children ( Class : IV to VI), an online Painting competition on " Save Earth to save Life" ( Class VII & VIII), an offline Quiz competition on Planet earth ( Class : IX & X), and a Webinar was organised. As a part of the Webinar, Dr Ashwin Kumar Srivastava, Former Scientist 'G', Birbal Sahani Institute of Paleobotany, Lucknow & Former Prof. & Head, Deptt. of Biotechnology, Integral University, Lucknow had a discussion on the topic 'Earth: Geological Transformation & Plant Journey' on online mode. A total of 35 participants including students and parents

participated in the Webinar. Also, a total of 61, 104 and 32 participants participated in the Offline Painting, Online Painting and Earth quiz competition respectively. Prizes and certificates will be given away to all the successful participants of various competitions conducted during the programme.

### **Celebration of Swachhta Pakhwada**

The Centre observed the Swachhta Pakhwada from 16th to 30th April, 2022 by conducting a series of programmes for school children, staff members and general public. As a part of the programme, the Swachhta pledge was administered to all the staff members of the Centre on 22nd April, 2022 by Shri Krishnendu Choudhury, Project Coordinator of the Centre. A Swachhta Quiz was organised amongst the school children on 19th April, 2022. A Slogan Drop Box competition on the topic ' Swachh Bharat, Samrudh Bharat' was organised for general public. A Nukkad Natak competition with a goal to spread awareness on Swachhta was also organised amongst school children on 28th, April, 2022 in which a total of 5 teams comprising 40 participants participated and enacted their plays in an open air ambience.

### **Summer Vacation Hobby Camp**

The first phase of the Summer Vacation Hobby Camp commenced on 25th April, 2022. As a part of the programme, the Clay Modelling camp was conducted for smaller children (Class: 3 to 5) from 25th to 29th April, 2022 wherein 2 children participated. Participating children were taught on how to make various designs with modelling clay like Dinosaurs, Butterfly etc.

### **GOA SCIENCE CENTRE AND PLANETARIUM, PANAJI**

#### **Online Workshop 'Learn Science in the Kitchen'**

An online workshop 'learn science in the kitchen' was organized for the students of class Ist to VIth on April 13, 2022. In total 23 students participated in this workshop.

#### **Science Toy Making Workshop**

As a part of creative ability activity, two batches of Science Toy Making workshop were organized from April 20-22, 2022 and April 27-29, 2022 for the students of class Vth to VIIth. In these workshops students were shown live science demonstrations on different topics and they learnt to make scientific toys with easily available materials. In total 41 students participated in this workshop.

#### **World Earth Day Celebration**

The Centre celebrated the World Earth Day from April, 20-22, 2022. During the celebration various nature games were organised for the children on April 20-21, 2022. A quiz on 'Planet Earth' was organized for the students of class Vth to VIIth on April 22, 2022. In total 60 students participated in this program.

#### **Science Film Festival of India SCI-FFI 2022**

The Centre participated in the Science Film Festival of India organized by Vidnyan Parishad, Goa at ESG complex, Campal from April 26-28, 2022. During the program science kits, 3D printed models etc. were kept on display. In total around 3650 students and teachers visited the exhibition.

#### **Exposure Visit of Underprivileged Children to the Centre.**

Free visit to total 90 Underprivileged children was arranged in April month. During their visit they were benefitted with guided tour to the galleries, 3D show, Planetarium show, Make & Take Science Toy Session and Science Demonstrations.

### **DISTRICT SCIENCE CENTRE, DHARAMPUR**

#### **Workshop of the focus group for new National Education Policy**

Workshop of the focus group for new National Education Policy was organized on 06.04.2022 in collaboration with District Institution of Education and training, Valsad. It

was held under the chairmanship of Dr.J.J. Rawal, renowned astrophysicist. For that Valsad district has been given the responsibility of deciding the inputs for the position paper of science subject. The implementation of the new National Education Policy at the state level will be forwarded to the national level.

**Anniversary celebration**

Anniversary day of the Centre was celebrated on 27th April 2022 at this Centre by organizing various educational activities & programs during the celebration. Science show on science and miracle was conducted for the students. Moreover, program like guided tour & visit to Science Park, were also organized during the celebration. Total 95 students attended the show.