

Monthly Descriptive Report of Programmes and Activities organized at Nehru Science Centre, Mumbai in the month of November, 2022

NEHRU SCIENCE CENTRE, MUMBAI

Sci-Birthday

During this month 02 science birthdays were organized at the Centre. On 17.11.2022, children and parents joined the celebration and on 27.11.2022, kids with parents joined for the celebration. They enjoyed the 3D show, motion simulator show, Science on sphere & Science Demonstration show.

Package Tour

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

National Science Drama 2022 (Western Zone)

National Science Drama is one of the biggest highlight of NCSM. After a gap of almost two years a programme of this massive scale was organized at the Centre. The Western Zonal Drama Contest was organized at the Centre. School Teams from around 06 State/ UTs arrived at the Centre to showcase their talents. The theme for this year's drama was Science and Technology for the benefit of mankind. Each team performed their Act for around 25 minutes each. Ms. Kitu Gidwani, former actress and a well known name in Bollywood film industry was the Chief Guest on this occasion. Ms. Gidwani shared her fond memories of her acting career, her childhood memories with the Centre. The Zonal Level drama was also graced with the presence of distinguished panelists. Sh. Sanjay Gokaran, Sh. Shivdas Ghodke and Ms. Supriya Vinod were the panelists who evaluated the drama performances. The panel also shared their experiences with the Centre, their love for the Centre and applauded NCSM and NSCM for making efforts to make people connect with science through dramas. Two winners of Western Zonal Drama will participate in the National Drama Festival to be held at Visvesvaraya Industrial & Technical Museum, Bangalore next year. A total of 350 school students came to the centre to watch the drama. The event was also streamed on the Facebook page of the Centre which was watched by more than 1200 virtual visitors.

Digital Literacy Programme for Teachers:

The Centre is conducting a Digital Literacy Programme for Teachers in collaboration with S. R. Dalvi (I) Foundation. This is an Online programme which is being conducted every Saturday from 5.30 pm to 7.00 pm. The registration of teachers was done by S. R. Dalvi (I) Foundation and programme is being conducted by the faculty of NSC, Mumbai.

Throughout November 2022, four sessions were conducted covering following topics:

- **05.11.2022 - Understanding Social Media:**

WhatsApp, Facebook, YouTube, Twitter, Instagram. What are social media apps & websites? How to login & use them on desktop and mobile? What facilities are available for each of them like video calling, live streaming, posting stories etc. How to post own contents on various social media apps? What are advantages & disadvantages of social media apps? Total 160 teachers attended this programme.

- **12.11.2022 - Creating a website:**

What is a website and importance of having a website, What is domain name, extension and different types of extensions like .com, .gov, .edu, .org etc. What is a secured and non-secured website? How to design & create a website using Wix? Exploring different sections of a website like Header-Footer, Top Banner, Menu bar & Links for navigation, How to include logo, text, pictures & video in a website? How to register for domain name and; web space for school website? Exploring NSC and NCSM's websites. Total 173 teachers attended this programme.

- **19.11.2022– Introduction to EdTech Apps:**

Introduction to Teacher Talk app & its features, Introduction to EdTech & learning management system, Characteristics of Virtual Classrooms, What is Whiteboard, Padlet and;

Kahoot and its features, Doubt clearing session & Conclusion of the Programme. Total 195 teachers attended this programme

Film Launch

The Centre in collaboration with BBC Earth organized launching of a film titled Frozen Planet II. The film had 02 part 60 mins each. The film explores the wildlife found in the world's coldest regions: the Arctic and Antarctic, high mountains, frozen deserts, snowbound forests, and ice-cold oceans. From polar bears to penguins, and from snow monkeys to Siberian tigers, each species must overcome a unique set of challenges to endure its extreme environment. Total 450 students attended the film launch i.e., 250 for Part I and 300 for Part II

Popular Talks in Offline mode.

To celebrate National Cyber Security Awareness Month, the Centre has organized a Popular Talk for the Officials of the Centre on the topic **Corruption free India – for a developed nation** on 04.11.2022 at 04:30 pm. The lecture was delivered by Sh. Doke, ACB, Prof. Sandhya Desphande, COEPS Cell Convenor, K. J. Somaiya Institute of Engineering and Information Technology, Mumbai.

Total Lunar Eclipse

A few weeks after a partial Solar Eclipse, India and a few other places witnessed the total Lunar Eclipse or Chandra Grahan on 08.11.2022. It was the last total Lunar Eclipse for three years, with the next occurring on 14.03.2025. This phenomenon is also called the Blood Moon. The Centre live streamed this event from Waimea, Hawaii. Ms. Sheetal Chopde, Education Assistant, Nehru Science Centre, narrated the event she explained the scientific phenomena behind eclipses and also shared some interesting facts about the same. She mentioned the demystifying facts about the prevalent myths, explained concepts of eclipses by linking physics, Hindu festivals & celestial events. Total of 3,100 people watched this phenomenon to date.

International Symposium on Metalions 2021 (30.11.2022 and 1.12.2022)

The Centre in collaboration with International Association of DentoMaxilloFacial Radiology (IADMFR), Asian Academy of Oral and Maxillo Facial Radiology (AAOMFR), Society of Cancer Research and Communication, Mumbai organized 17th International Symposium on Metalions. The theme of this years' Symposium was Recent Advances in Oral Medicines & Radiology, Environmental and Public Health. The programme was also streamed on Youtube channel of the Centre. The stream had views till now.

Symposium for Teachers

The Centre in collaboration with Homi Bhabha Centre for Science Education organized a symposium for teachers on 25th and 26th November, 2022 in the Auditorium of the Centre. The topic of discussion was Energy, its concept, its applications, its assumptions, etc. Total of 456 teachers attended this Symposium.

Mobile Science Exhibition - Ahmednagar

The Centre was back with Science on Wheel Bus on the occasion of Children's Day. The Bus will be touring various districts of Ahmednagar. The first site of the Bus was Sant Nilobarai Vidyalaya, Village - Ralegan Siddhi, Taluka- Parner, District- Ahmednagar. Padmabhushan Shri Anna Hajare ji also witnessed this Science on wheel bus and praised National Council of Science Museums for its efforts in making science accessible to each and every avid learner in India. The Bus has covered 11 sites in this month.

Mobile Science Exhibition - Vasai

The Centre organized a Mobile Science Exhibition for Ambassador High School, Vasai. A Super Cool Liquid Nitrogen Show was organized at the School for the students on 14th November, 2022. 08 Liquid Nitrogen Shows were organized for students. 1,456 students enjoyed the show & visited the Exhibition.

Mobile Science Exhibition - Palghar District

The MSE Hygiene and Sanitation will be touring to various places of Palghar Districts till 28th January, out of which 05 places will be covered in this month. Students were made understand the

importance of Hygiene and Sanitation in day-to-day life. Sky observation and science experiments were also shown to students.

World Science Day & Centre's 37th Anniversary Day Celebration

10th November 2022, which incidentally is also commemorated as the World Science Day. On this day Nehru Science Centre Mumbai completed 37 years of its glorious services to the people of the country. On this occasion the Centre organized various demonstration programmes for school students. Experiments on fire, air, pressure, friction, Liquid Nitrogen were part of these demonstration. Students were also explained why things work or react in certain way. These sessions were more of an interactive session where queries from students and teachers were answered by the demonstrators.