

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

Science Birthday:

During this month two science birthdays were organized at the centre. On 03.09.2022, 60 children and parents were there and on 04.09.2022, 30 kids with parents joined for the celebration. They enjoyed the 3D show, motion simulator show, Science on sphere & Science Demonstration show.

Teachers' Day

On 05.09.2022, to commemorate the Teachers' Day, the Centre organized a workshop for the school teachers from the school for visually impaired students. The participants made simple science and mathematics toys to understand the various principles based on motion, vibration, sound, 2D-3D shapes, fractions etc. 16 teachers participated in the workshop.

Teachers Training programme

2 batches of Teachers' training programme were conducted for the would be teachers. These trainee teachers were given exposure to the different facilities of the Centre. They also made teaching aids based on Archimedes Principle, Brain model, Electric motor, Pythagoras theorem. A session on Innovative and Out-of-the-Box thinking also was organized for them. First batch was conducted during September 12 to 16, 2022 in which 39 trainee teachers participated. In the second batch which was held during September 26 to 30, 2022, 68 trainee teachers participated.

Engineers Day (15.09.2022)

To celebrate the Engineers Day, the Centre organized an online event in conversation with Ms. Preeti Manubhai Parekh, daughter of Mr Manubhai Parekh. Mr Manubhai Parekh was an innovator who despite being a school drop out (in class 4) engineered many machines including an airplane by himself indigenously (except the engine of the airplane). 67 students and parents attended the session on Zoom.

Hindi Workshop

NCSM organized an online Hindi Workshop for Employees on 14.09.2022. Dir. Microsoft guided Employees how to use Microsoft Word for official correspondence in Hindi. 15 officials of the Centre attended the workshop

हिन्दी पखवाड़ा 2022

दिनांक 14 सितम्बर, 2022 अपरान्ह 04.15 बजे हिन्दी पखवाड़ा - 2022 का उद्घाटन मा. उमेश कुमार रुस्तगी, निदेशक, नेहरू विज्ञान केन्द्र, मुम्बई द्वारा किया गया। इस दिन अपरान्ह 04.45 बजे मा. उमेश कुमार रुस्तगी जी ने 'राष्ट्रीय शिक्षा नीति' इस विषय पर व्याख्यान किया जिस में केंद्र के कुल 40 अधिकारियों एवं कर्मचारियों की उपस्थिति थी।

1) बोलिए अपनी बोली प्रतियोगिता :

दिनांक 16 सितम्बर, 2022 अपरान्ह 03.30 बजे केन्द्र के कर्मचारियों के लिए बोलिए अपनी बोली प्रतियोगिता का आयोजन किया गया जिस में 12 कर्मचारियों एवं अधिकारियों ने भाग लिया।

2) खजाने (पुस्तकों) की खोज प्रतियोगिता :

दिनांक 19 सितम्बर 2022 अपरान्ह 03.30 बजे केन्द्र के कर्मचारियों के लिए केन्द्र के ग्रंथालय खजाने (पुस्तकों) की खोज प्रतियोगिता का आयोजन किया गया जिस में 24 कर्मचारियों एवं अधिकारियों ने भाग लिया।

3) हिन्दी फिल्म शो :

दिनांक 21 सितम्बर 2022 अपरान्ह 04.00 बजे केन्द्र के प्रेक्षागृह में 'पैंगविन एक प्रेम कहानी' नामक हिन्दी फिल्म शो का आयोजन किया गया । कुल 40 अधिकारियों एवं कर्मचारियों ने इस हिन्दी फिल्म शो का लाभ उठाया ।

4) हंसो और हंसाओ प्रतियोगिता :

दिनांक 22 सितम्बर, 2022 अपरान्ह 03.00 बजे केन्द्र के कर्मचारियों के लिए हंसो और हंसाओ प्रतियोगिता का आयोजन किया गया जिस में 20 कर्मचारियों एवं अधिकारियों ने भाग लिया।

5) हिन्दी कार्यशाला :

दिनांक 23 सितम्बर, 2022 अपरान्ह 03.30 बजे केन्द्र के सभी अधिकारियों एवं कर्मचारियों के लिए राजभाषा हिन्दी एवं तकनीकी सुविधाए इस विषय पर ऑनलाइन हिन्दी कार्यशाला का आयोजन किया गया । डॉ. राकेश पराशर, उपनिदेशक, हिन्दी शिक्षण योजना, नई मुंबई द्वारा कार्यालयीन कामकाज में हिन्दी का सरलता से प्रयोग करने पर मार्गदर्शन किया। डॉ. राकेश पराशर जी ने कार्यालयीन कामकाज में अनेक हिन्दी ई-टूल्स् के प्रयोग संबंधी केन्द्र के अधिकारियों एवं कर्मचारियों को जानकारी दी। केन्द्र के कुल 30 कर्मचारियों एवं अधिकारियों और केन्द्रे के इतर इकाइयों से 40 कर्मचारियों एवं अधिकारियों ने इस ऑनलाइन हिन्दी कार्यशाला का लाभ उठाया ।

6) पढ़ते पढ़ते लिखना सीखो प्रतियोगिता :

दिनांक 26 सितम्बर, 2022 अपरान्ह 03.00 बजे केन्द्र के कर्मचारियों के लिए पढ़ते पढ़ते लिखना सीखो प्रतियोगिता का आयोजन किया गया जिस में 20 कर्मचारियों एवं अधिकारियों ने भाग लिया।

7) हिन्दी गीत गायन प्रतियोगिता :

दिनांक 27 सितम्बर, 2022 अपरान्ह 03.00 बजे केन्द्र के अधिकारियों एवं कर्मचारियों के लिए हिन्दी गीत गायन प्रतियोगिता का आयोजन किया गया जिस में 10 अधिकारियों एवं कर्मचारियों ने भाग लिया।

8) अंताक्षरी प्रतियोगिता :

दिनांक 28 सितम्बर, 2022 अपरान्ह 03.30 बजे अंताक्षरी प्रतियोगिता का आयोजन किया गया जिस में केंद्र के सभी अधिकारियों एवं कर्मचारियों ने भाग लिया ।

9) पखवाड़े का समापन :

दिनांक 29 सितम्बर, 2022 अपरान्ह 03.00 बजे हिन्दी पखवाड़े का समापन किया गया । निदेशक मा. उमेश कुमार रुस्तगी के हाथों पखवाड़े में आयोजित विविध प्रतियोगिताओं के विजेताओं को पुरस्कार प्रदान किए गए । उन्होंने सभी विजेताओं को हार्दिक बधाई दी।

हिन्दी पखवाड़ा के उपलक्ष्य में केंद्र में दिनांक 15.09.2022 को दृष्टि दिव्यांग बच्चों के लिए विज्ञान कार्यशाला का आयोजन किया गया । इस कार्यशाला में उन्हे ध्वनि, गती आदि सिद्धांतों पर आधारित प्रयोग सिखाए गए । 67 बच्चों ने इस कार्यशाला का लाभ उठाया ।

हिन्दी पखवाड़ा के दौरान दिनांक 14 सितम्बर, 2022 को वंचित बच्चों के लिए हिन्दी में विज्ञान कार्यशाला का आयोजन किया गया । इस कार्यशाला में मनोरंजक विज्ञान पर आधारित प्रयोग दिखाए गए। 175 बच्चे इस कार्यशाला में सहभागी हुए ।

World Ozone day

The Centre organized an online multiple choice quiz on the topic 'Ozone on 16th September 2022. The quiz was open for all from 10am to 10pm. In 633 participants attempted the quiz

Outreach programme 22.09.2022

Science demonstrations on the topics - Matter at Low temperature and Fun with Physics were organized at the Maneckji Cooper School, Juhu, Mumbai on the request from school authorities.. Total 187 Students & Teachers participated in the show.

HINDI SCIENCE QUIZ

The Centre organized an online science Quiz in Hindi on 28.09.2022. The questions were based on everyday science. The quiz was open for all from 10 AM to 10 PM. 139 participants attempted this quiz.

Regional Level Science Seminar 2022

The Dy. Director of Education , Mumbai in collaboration with Nehru Science Centre, Mumbai organized Regional level Science Seminar for Mumbai region on 27.09.2022 at the Centre for the students of STD VIIIth to Xth. The objective of the Science Seminar is to inculcate the spirit of scientific enquiry and analytical thinking in the minds of the young students. The topic for this year's seminar is "Basic Sciences for Sustainable Development: Challenges & Prospects". 07 Students from different zones of Mumbai region participated at the Regional Level.

International Day of Scientific Culture

Culture of a country gets reflected in the toys, games and the practices that are followed in the country. Hence, to commemorate the International Day of Scientific Culture, the Centre organized various programmes on 28th September 2022, 3 events were planned for this occasion

1. Online exhibition of traditional toys: The participants were asked to share the photographs of the traditional toys from their own collection. We received 20 registrations for the event. 9 selected photographs are uploaded on social media handles of the Centre.
2. Jaane Anjaane: The participants were asked to record and send a 1 minute video explaining the Science behind any one of the traditional practices followed by people. We received 15 entries. The videos are being assessed.
3. A workshop on Making traditional toys was organized for school students. 67 students participated in the workshop. Students made .Paper cracker, Paper clapper, paper wheel (Chakri), Flying butterfly(Moving mechanism), wooden dowel rotor and Damroo. They also learnt about the crude cracker gun.

Digital Literacy Programme for Teachers:

Nehru Science Centre has started a Digital Literacy Programme for in service Teachers in collaboration with S. R. Dalvi (I) Foundation. This is an Online programme, 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. During September 2022,, 4 sessions were conducted covering following topics:

03.09.2022 - Understanding Internet

History of Internet, how it works? Understanding terms like Protocol, IP, Bandwidth, HTTP, Domain names, URL, Data Download & Upload, Cloud, Servers etc. 280 teachers participated in this programme.

10.09.2022 - Using Working Tools:

Word-processing: Basic typing tools, Type in tables & columns, Insert Pictures & other shapes, Insert Charts & Graphs, Save & Print Files. Spreadsheets: Basic Typing in rows & columns, writing formulae, Insert Charts & Graphs, make a workbook with multiple references, Save & Print. 257 teachers participated in this programme.

17.09.2022 - Using Working Tools:

Presentations: Basic tool to prepare slides with text, pictures, audio & video, Insert Tables, Pictures, Other shapes, Charts & Graphs, Insert Audio & Video, Add Transition effects & Animation effects to make presentation attractive, Save & Print slides and Share Presentation. 280 teachers participated in this programme.

24.09.2022 - Using Google Tools:

Google Docs: Basic typing tools with advanced facilities, Voice typing, insert tables, pictures, other shapes, Charts, & Graphs, Share Document with others to view / edit instantly & simultaneously. Google Sheets: Basic typing text in rows & columns with

advanced facilities, writing formulae & dragging them for automatic calculations, Insert Charts & Graphs, make a book with multiple references, share sheets with others to view / edit instantly & simultaneously. 267 teachers participated in this programme.

Hands-on Drone Workshop

Innovation Hub, NSCM in collaboration with Drona Aviation, Mumbai organized a Hands-on Drone Workshop for Innovation Hub members on 25.09.2022. Students were explained principles involved in the working of Drones. They were also taught assembling drones, they themselves controlled the drones through their smartphones. 25 members were part of this workshop.