

कार्यकलाप प्रतिवेदन

ACTIVITY REPORT 2022-23



National Science Centre, Delhi



Ministry of Culture
Government of India



With Best Wishes

कार्यकलाप प्रतिवेदन Activity Report 2022-2023

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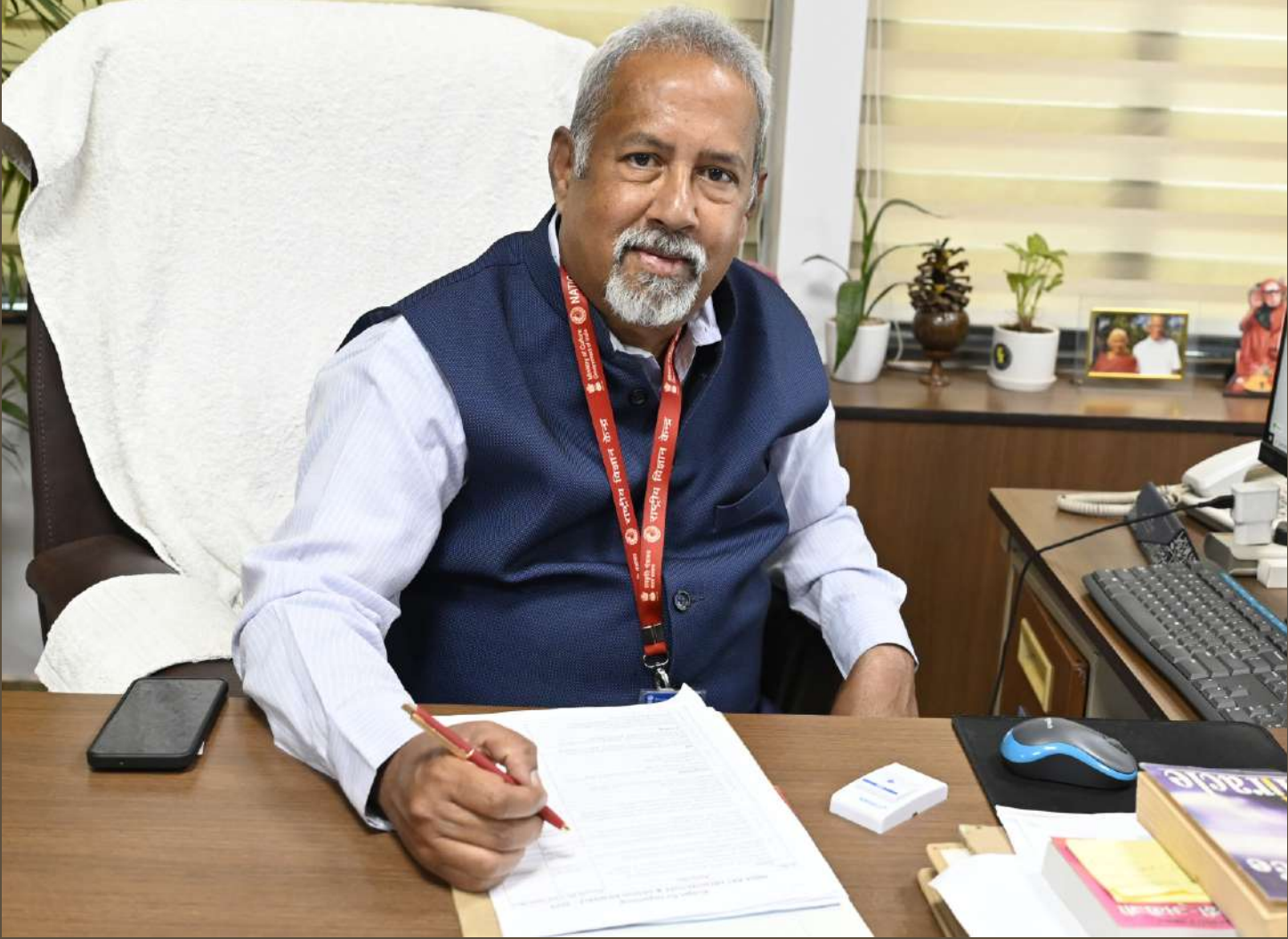


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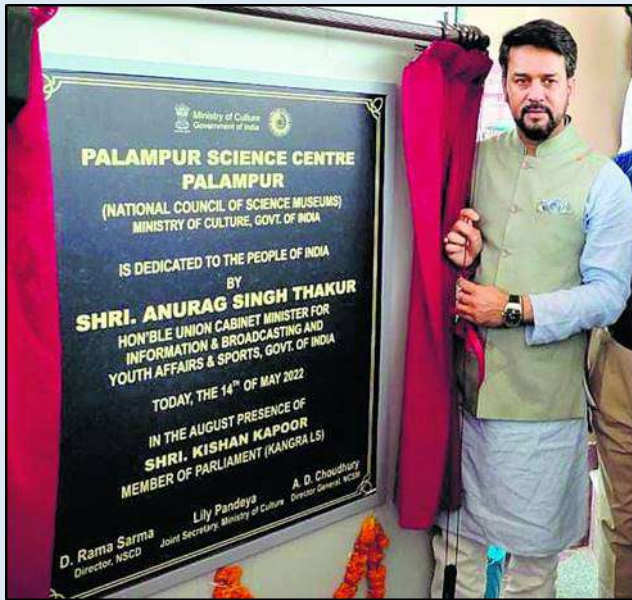
इस वर्ष की गतिविधि रिपोर्ट प्रस्तुत करते हुए मुझे बहुत खुशी हो रही है, जो गतिविधियों और उपलब्धियों से भरपूर हैं। राष्ट्रीय विज्ञान केन्द्र, दिल्ली, आंचलिक विज्ञान नगरी, लखनऊ, पालम पुर विज्ञान केन्द्र, पालम पुर और कुरुक्षेत्र पैनोरमा एवं विज्ञान केन्द्र, कुरुक्षेत्र की पूरी टीम ने कार्यक्रमों, सोशल मीडिया हैंडल आदि के माध्यम से आगंतुकों तक पहुंचने के लिए अथक प्रयास किया। राष्ट्रीय विज्ञान केन्द्र, दिल्ली ने कुल 859838 दर्शकों की उपस्थिति दर्ज की गई। इसी प्रकार, आंचलिक विज्ञान नगरी, लखनऊ ने इस अवधि के दौरान 383361 दर्शकों की उपस्थिति को दर्ज की। इस दौरान कुरुक्षेत्र पैनोरमा एवं विज्ञान केन्द्र में 629489 दर्शक आए। पालमपुर विज्ञान केन्द्र ने 116190 दर्शकों की उपस्थिति दर्ज की। व्यक्तिगत रूप से यह मेरे लिए गर्व की बात है कि उत्तरी क्षेत्र ने 1992 में अपनी स्थापना के बाद से सबसे अधिक आगंतुकों की संख्या दर्ज की, इस वर्ष के दौरान दर्शकों की संख्या बीस लाख से अधिक पहुंच गई। केन्द्र की वार्षिक टिकट बिक्री स्थापना के बाद से सबसे अधिक रही है।

रा. वि. के. दिल्ली में पुनर्निर्मित डायनासोर डायोरमा का उद्घाटन डॉ. सी.एम. नौटियाल, कार्यक्रम सलाहकार आई.एन.एस.ए और पूर्व वैज्ञानिक, बीरबल साहनी पुराविज्ञान संस्थान, लखनऊ द्वारा 20 मई, 2022 को किया गया। कोयला मंत्रालय, भारत सरकार के सहयोग के साथ रा. वि. के. दिल्ली में 'कोयला' पर एक नई दीर्घा विकसित की जा रही है। गैलरी का विकास कार्य चल रहा है। 'डिजिटल इंडिया: पावर टू एम्पावर' गैलरी भी विकासाधीन है।

Director's Desk

It gives me a great pleasure in presenting this year's activity report which was full of activities and achievements. The entire team of National Science Centre, Delhi, Regional Science City, Lucknow and Kurukshetra Panorama & Science Centre, Kurukshetra worked relentlessly to reach out to visitors through programs, social media handles etc. National Science Centre, Delhi garnered an overall footfall of 859838. Similarly, the Regional Science City, Lucknow recorded the annual visitors of 383361 during this period. Kurukshetra Panorama & Science Centre received 629489 and Palampur Science Centre recorded 116190 visitors during the period. It is a matter of personal pride to me that the northern zone recorded its highest visitor figures since its inception in 1992, thereby surpassing two million reach out during this year. The annual gate collection of the centre has been the highest since inception.

The renovated Dinosaur Diorama at NSC, Delhi was inaugurated by Dr. C.M. Nautiyal, Programme Consultant INSA & Former Scientist, Birbal Sahni Institute of Palaeosciences, Lucknow on May 20, 2022. A new gallery on 'Coal' has been developed at NSCD with support from Ministry of Coal, Govt. of India. The gallery is under development. 'Digital India: Power to Empower' gallery is also under development.



पालमपुर विज्ञान केंद्र, हिमाचल प्रदेश के पहले विज्ञान केंद्र का उद्घाटन श्री अनुराग ठाकुर, माननीय केंद्रीय कैबिनेट मंत्री, सूचना एवं प्रसारण और युवा कार्यक्रम एवं खेल, भारत सरकार द्वारा 14 मई, 2022 को श्री किशन कपूर, माननीय सांसद (कांगड़ा लोकसभा), श्री आशीष बुटेल, माननीय विधान सभा सदस्य, पालमपुर और श्रीमती-पूनम बाली, मेयर, पालमपुर नगर निगम की गरिमामयी उपस्थिति में किया गया। प. वि. के., पालमपुर में विज्ञान की संस्कृति को बढ़ावा देने की योजना (एसपीओसीएस) के माध्यम से विकसित किया गया है। केंद्र में 3000 वर्गमीटर निर्मित क्षेत्र है और (लगभग) 2500 वर्गमीटर प्रदर्शनी स्थल का प. वि. के., पालमपुर में 'अनटैम्ड अर्थ' नामक एक विषयगत गैलरी है जिसमें लगभग 25 परस्पर संवादात्मक प्रदर्शनियाँ हैं। केंद्र की अन्य सुविधाएं विज्ञान पार्क, नवप्रवर्तन हब, भ्रमणशील तारामंडल और मनोरंजन विज्ञान दीर्घा हैं। केंद्र में अस्थायी प्रदर्शनी लगाने का भी प्रावधान है।

विज्ञान की संस्कृति को बढ़ावा देने की योजना (एसपीओसीएस) के माध्यम से अंबाला, हरियाणा में आर्यभट्ट विज्ञान केंद्र, की स्थापना शुरू की गई और रा. वि. स. प., एचएससीएसआईटी और पीडब्ल्यूडी (बी एंड आर) द्वारा समझौता ज्ञापन (एमओए) के अनुसार इसके विस्तारित दायरे पर हस्ताक्षर किए गए थे।

Palampur Science Centre, the first Science Centre of Himachal Pradesh was inaugurated by Shri Anurag Thakur, Hon'ble Union Cabinet Minister for I&B and Youth Affairs & Sports, Govt. of India on May 14, 2022 in the august presence of Shri Kishan Kapoor, Hon'ble MP (Kangra LS), Shri Ashish Butail, Hon'ble Member of Legislative Assembly, Palampur and Smt. Poonam Bali, Mayor, Palampur Municipal Corporation. PSC, Palampur has been developed through the Scheme for Promotion of Culture of Science (SPoCS). The centre has 3000 sqm. (approx.) of built-up area and 2500 sqm. of exhibition space. PSC, Palampur has a thematic gallery titled 'Untamed Earth' that houses around 25 interactive exhibits. Other facilities of the centre are Science Park, Innovation Hub, Portable Planetarium and Fun Science Gallery. The centre also has provision to house temporary exhibition.

Setting up of Aryabhatta Vigyan Kendra, Ambala was taken up through the Scheme for Promotion of Culture of Science (SPoCS) and its extended scope as per Memorandum of Agreement (MoA) was signed among NCSM, HSCSIT and PWD (B&R).



भवन निर्माण कार्य शुरू करने के लिए SPoCS का एक हिस्सा एचएससीएसआईटी को हस्तांतरित किया गया था। निर्माण कार्य PWD (B&R) हरियाणा सरकार द्वारा शुरू हो गया था और नींव स्तर तक पाइलिंग का काम, नींव और संरचना का काम 100% पूरा हो गया था और मुख्य संरचना का काम चल रहा था। कुछ अपरिहार्य कारणों से वर्तमान में कार्य रुका हुआ है।

उत्तराखंड के अल्मोडा में उप-क्षेत्रीय विज्ञान केंद्र की स्थापना का कार्य प्रगति पर है। भवन निर्माण का कार्य 100 प्रतिशत पूरा हो चुका है। सभागार, सम्मेलन कक्षों के कुछ आंतरिक सुसज्जा कार्य प्रगति पर हैं। हालाँकि, विज्ञान पार्क और मनोरंजन विज्ञान दीर्घा के प्रदर्शों का निर्माण कार्य भी प्रगति पर है। जलवायु परिवर्तन पर प्रदर्शनी के प्रदर्शों का निर्माण कार्य चल रहा है। उप-क्षेत्रीय विज्ञान केंद्र, अल्मोडा को विज्ञान संस्कृति संवर्धन योजना (एसपीओसीएस) के माध्यम से विकसित किया जा रहा है।

A part fund of SPoCS was also being transferred to HSCSIT for starting the building construction work. The construction work by PWD (B&R) Govt. of Haryana was started and Piling work, foundation and structure work up to plinth level was 100% completed and super structure work was under progress. The work is presently on hold due to some unforeseen circumstances.

Setting up of Sub-Regional Science Centre at Almora, Uttarakhand is progressing well. The structure work of building is 100% completed. Some interior finishing works of auditorium, conference rooms are in progress. However, the exhibit fabrication work of Science Park & Fun Science gallery is under progress. The exhibit fabrication work of the exhibition on Climate Changes is under progress at the site. SRSC, Almora is being developed through the Scheme for Promotion of Culture of Science (SPoCS).





रा. वि. स. प., को विज्ञान शिक्षण और रचनात्मक केन्द्र, शिमला, हिमाचल प्रदेश की स्थापना के लिए प्रदर्शो और सुविधाओं के रूप में सहायता प्रदान करने के लिए हिमाचल प्रदेश विज्ञान, प्रौद्योगिकी और पर्यावरण परिषद (HIMCOSTE), शिमला से एक अनुरोध प्राप्त हुआ। तदनुसार, रा. वि. के. दिल्ली ने संवादात्मक प्रदर्श उपलब्ध कराने का आश्वासन दिया। प्रदर्शनी विकास कार्य पूरा हो चुका है। रा. वि. के., दिल्ली को विज्ञान अध्ययन एवं सृजन केंद्र, शिमला में 6 स्मार्ट इलेक्ट्रॉनिक्स डिस्प्ले के निर्माण और स्थापना के लिए HIMCOSTE से अनुरोध प्राप्त हुआ। यह कार्य पूरा हो चुका है। HIMCOSTE से स्वीकृति मिलने के बाद इसे स्थापित किया जाएगा।

HIMCOSTE ने शिमला में रा. वि. स. प., से डिजिटल तारामंडल की स्थापना का कार्य करने का अनुरोध किया। तारामंडल भवन के लिए आर्किटेक्ट व ठेकेदार चयन की प्रक्रिया पूरी हो गयी है। 7 सितंबर, 2022 को शिमला, हिमाचल प्रदेश में तारामंडल की आधारशिला रखी गई। आठ मीटर व्यास के तारामंडल भवन का निर्माण कार्य शुरू हो गया है। सिविल कार्य का 20 प्रतिशत काम पूरा हो चुका है। उपयुक्त तारामंडल उपकरण के चयन एवं खरीद की कार्यवाही प्रक्रियाधीन है।



NCSM received a request from Himachal Pradesh Council for Science, Technology and Environment (HIMCOSTE), Shimla for providing help in form of exhibits and facilities for setting up of Science Learning & Creative Centre, Shimla, H.P. Accordingly, NSCD had assured to provide hands-on exhibits. The exhibit development work has been completed. NSC, Delhi has also received a request from HIMCOSTE for fabrication and installation of 6 No. of 'Smart Electronics' Displays at Science Learning & Creativity Centre, Shimla. The work has been completed. After getting clearance from HIMCOSTE, the same will be installed.

HIMCOSTE requested NCSM to take up the setting up of an eight mtr. dia. Digital Planetarium at Shimla. The process of architect & contractor selection for Planetarium building is completed. The foundation stone of planetarium was laid at Shimla, Himachal Pradesh on Sept. 7, 2022. The civil construction work of the Planetarium building has also started. 20% of civil work has already been completed. The actions for selection & procuring of suitable Planetarium equipment are under process.

रा. वि. स. प., को उत्तराखंड राज्य में केदारनाथ ट्रेक और केदार घाटी में केदारनाथ धाम के तीर्थयात्रियों के लिए विशेष सुविधाओं के निर्माण और विकास के लिए परियोजना की निष्पादन एजेंसी की जिम्मेदारी सौंपी गई है, जिसमें केदार घाटी में गौरीकुंड से केदारनाथ मंदिर और शिव उद्यान तक ट्रेक मार्ग के साथ 4 चिंतन स्थल शामिल हैं।

शिव उद्यान में तीर्थयात्रियों के लिए एक बड़े एम्फीथिएटर-शैली में बैठने के स्थान, हरा-भरा क्षेत्र और इसके चारों ओर एक रिटेनिंग दीवार होगी। यह सम्पूर्ण विचार तीर्थयात्रियों को पूर्ण आध्यात्मिक अनुभव प्रदान करेगा। चिंतन स्थल गौरीकुंड से केदारनाथ तक 18 किलोमीटर की यात्रा के दौरान दर्शनीय स्थानों भीमबली, छोटी लिनचोली, बड़ी लिनचोली और चन्नी कैम्प में बनेंगे। इन चिंतन स्थलों में तीर्थयात्रियों के लिए ध्यानपूर्ण संगीत बजने के साथ-साथ उनके विश्राम करने के स्थान भी होंगे। यहां डिस्प्ले एलईडी दीवारों पर केदारनाथ मंदिर के दृश्य होंगे। सिविल निर्माण कार्य का प्रस्ताव पहले ही प्राप्त हो चुका है और ठेका देने के लिए कार्य की वित्तीय स्वीकृति की प्रतीक्षा है।

NCSM has been entrusted with the responsibilities of executing agency of the project for construction and development of special facilities for pilgrims of Kedarnath Dham on Kedarnath trek and Kedar valley in the state of Uttarakhand, comprising of 4 Chintan Sthals along the trek route from Gaurikund to Kedarnath temple and Shiv Udhyan in Kedar Valley.

The Shiv Udhyan will have a big amphitheatre-style sitting area for pilgrims, green areas, and a retaining wall around it. The whole idea will offer a complete spiritual experience to the pilgrims. The Chintan Sthals will come up at Bheembali, Choti Lincholi, Badi Lincholi, and Channi Camp in scenic locations along the 18-km trek to Kedarnath from Gaurikund. These Chintan Sthals will have meditative music playing for the pilgrims as well as places for them to rest and recuperate. Display LED walls here will have visuals from the Kedarnath temple. The tender of civil construction work has already been received and financial sanction of the work is awaited for award of the contract.



राष्ट्रीय संग्रहालय संस्थान (एन.एम. आई.) भी इस परियोजना में ज्ञान साझेदारी के रूप में शामिल है। 'पत्थर के शिलाखंडों और शिव उद्यान की अन्य विशेषताओं पर आधारित कार्य के रूप में पारंपरिक भारतीय मूर्तियों के डिजाइन और निर्माण' की निविदा प्रक्रिया भी प्रगति पर है और इसके लिए आर. एफ. पी. को अंतिम रूप दिया जा रहा है। चिंतन स्थलों और शिव उद्यान के निर्माण कार्य के लिए आर्किटेक्ट कंसल्टेंट को अंतिम रूप दे दिया गया है और सभी डिजाइन भी प्रस्तुत कर दिए गए हैं।

आज़ादी का अमृत महोत्सव के अंतर्गत भारत सरकार द्वारा पहचाने गए आकांक्षी जिलों तक पहुंचने के लिए रा. वि. के., दिल्ली को राजकीय बाल वरिष्ठ मध्यमिक विद्यालय, चंबा (हि.प्र.) में विज्ञान गतिविधि केंद्र की स्थापना के लिए राष्ट्रीय पादप जीनोम अनुसंधान संस्थान (एनआईपीजीआर), नई दिल्ली से अनुरोध प्राप्त हुआ। यह परियोजना अगस्त 2022 में पूरी हो गई है।

रा. वि. के., दिल्ली, ने 30 नवंबर, 2022 को विज्ञान और मानविकी केन्द्र, तुगलक क्रिसेंट, नई दिल्ली में एक विज्ञान पार्क की स्थापना के लिए नई दिल्ली नगरपालिका परिषद (एनडीएमसी) के साथ एक समझौता ज्ञापन पर हस्ताक्षर किए। विज्ञान पार्क के लिए प्रदर्शनी विकास प्रगति पर है और जुलाई 2023 तक पूरी तरह से पूरा होने और पार्क स्थल पर स्थापित होने की संभावना है। विज्ञान एवं तकनीकी विभाग (डी.एस.टी.), राजस्थान ने क्षेत्रीय विज्ञान केंद्र और विज्ञान पार्क, जयपुर में नवप्रवर्तन हब स्थापित करने के लिए केंद्र से संपर्क किया है। इस उद्देश्य के लिए अनुमानित व्यय डी.एस.टी., राजस्थान को भेजा गया था। मंजूरी मिलने पर निर्माण कार्य शुरू कर दिया गया है। डीएसटी, राजस्थान ने क्षेत्रीय विज्ञान केंद्र और विज्ञान पार्क, जयपुर में 'हॉल ऑफ न्यूक्लियर पावर' स्थापित करने के लिए केंद्र से संपर्क किया है।

इस गैलरी की स्थापना के लिए डीएसटी, राजस्थान को अनुमानित व्यय भेजा गया है। प्रोजेक्ट फंड मिलने के बाद कार्य शुरू कराया जाएगा।

National Museum Institute (NMI) is also on board in this project as a knowledge partner. The tendering process of 'Designing and creation of traditional Indian Sculptures as relief work on stone boulders and other features of Shiv Udhyan' is also in progress and RFP for the same is under finalisation. Architect consultant for construction work of Chintan sthals and Shiv Udhyan has been finalized and all designs have also been submitted.

NSC, Delhi received a request from National Institute of Plant Genome Research (NIPGR), New Delhi for setting up of Science Activity Centre at Govt. Boys Senior Secondary School, Chamba (H.P.) as a part to reach out Aspirational Districts identified by Government of India under the celebration of Aazadi Ka Amrit Mahotsava. The project has been completed in August 2022.

NSC, Delhi has signed a MoU with New Delhi Municipal Council (NDMC) for setting up of a Science Park at NDMC Science and Humanities Centre, Tughlak Crescent, New Delhi on November 30, 2022. The exhibit development for the Science park is under progress and likely to be completed and installed at the site in all respect by July 2023 DST, Rajasthan has approached NSCD to set up 'Innovation Hub' at Regional Science Center and Science Park, Jaipur. An estimated expenditure was sent to DST, Rajasthan for this purpose. On receipt of approval the fabrication work has been started. DST, Rajasthan has approached NSCD to set up 'Hall of Nuclear Power' at Regional Science Center and Science Park, Jaipur.

An estimated expenditure has been sent to DST, Rajasthan for setting up this gallery. After receiving the project fund, the work will be executed.



श्रीमती ज़रीन ताज, अतिरिक्त निदेशक, शिक्षा निदेशालय, दिल्ली सरकार द्वारा 'पारंपरिक चिकित्सा' नामक एक भ्रमणशील प्रदर्शनी का उद्घाटन 26 अप्रैल, 2022 को किया गया। प्रदर्शनी 15 अक्टूबर, 2022 तक जारी रही। यह प्रदर्शनी पारंपरिक चिकित्सा प्रणालियों, विशेष रूप से भारतीय औषधीय प्रणालियों की समृद्ध चिकित्सा विरासत को चित्रित करती है।

A travelling exhibition titled '**Traditional Medicine**' was inaugurated by **Smt. Zareen Taj, Additional Director**, Directorate of Education, Govt. of NCT of Delhi on April 26, 2022. The exhibition continued till October 15, 2022. This exhibition portrays the rich medical legacy of Traditional Systems of Medicine particularly Indian Medicinal Systems.

रा. वि. के., दिल्ली द्वारा विकसित एक मोबाइल विज्ञान प्रदर्शनी 'अर्थ गंगा' का उद्घाटन 12 जनवरी, 2023 को वाराणसी में उत्तर प्रदेश के माननीय मुख्यमंत्री श्री योगी आदित्यनाथ ने माननीय श्री सर्बानंद सोनोवाल, बंदरगाह, जहाजरानी और जलमार्ग मंत्री की उपस्थिति में किया। गंगा के महत्व और शैक्षिक गतिविधियों के साथ हमारे जीवन में इसके महत्व का वर्णन करने वाली यह 18-पैनल प्रदर्शनी मार्च, 2023 तक गंगा नदी के किनारे के शहरों/गांवों के दौरे पर है ताकि गंगा के महत्व को समझते हुए गंगा के संरक्षण के लिए जागरूकता फैलाई जा सके।

A mobile science exhibition on 'Arth Ganga', developed by NSC, Delhi was inaugurated by Hon'ble Chief Minister of Uttar Pradesh, Shri Yogi Adityanath in presence of Shri Sarbananda Sonowal, Hon'ble Minister for Ports, Shipping and Waterways on January 12, 2023 at Varanasi.

The 18-panel exhibition describing the importance of Ganga and its significance in our life with educational activities is on tour to the cities/villages along the river Ganga till March, 2023 to spread the awareness for conservation of Ganga.





फाउंडेशन फॉर एडवांसिंग साइंस एंड टेक्नोलॉजी (FAST) के सहयोग से 'साइंस इन फोकस' पर एक फोटो प्रदर्शनी 25 मई, 2022 से 24 जून, 2022 तक आयोजित की गई थी। फोटोग्राफी पर पूरे भारत में प्रतियोगिता के विजेताओं की तस्वीरों वाली इस प्रदर्शनी में 'हर दिन विज्ञान' पर फोटो-कथा का आकर्षक चित्रण किया गया।

A photo exhibition on 'Science in Focus' in association with Foundation for Advancing Science and Technology (FAST) was organised from May 25, 2022 to June 24, 2022. This exhibition consisting of photographs of the winners of Pan India contest on photography depicted compelling visual stories on 'Everyday Science'.

इजराइल दूतावास के सहयोग से 18 मई से 15 अक्टूबर 2022 तक 'द आर्ट ऑफ साइंस' पर एक प्रदर्शनी आयोजित की गई थी। प्रदर्श पैनलों से युक्त यह प्रदर्शनी विज्ञान के कलात्मक पक्ष को दर्शाती है। भारत में इजराइल के महामहिम राजदूत श्री नूर गिलोन ने प्रदर्शनी का उद्घाटन किया। इस अवसर पर टेक्नियन, इजराइल इंस्टीट्यूट ऑफ टेक्नोलॉजी की सुश्री हन्ना अंजी, इजराइल दूतावास के इनोवेशन प्रमुख एमएसएसएचएवी श्री डोरोन गिडोनी और अन्य गणमान्य व्यक्ति उपस्थित थे।

An exhibition on 'The Art of Science' was organized from May 18 to October 15, 2022 with support from Embassy of Israel. This exhibition consisting of panels depicts the artistic side of the science. His Excellency the Ambassador of Israel in India, Mr. Naor Gilon inaugurated the exhibition. Ms. Hannah Anzi of Technion, Israel Institute of Technology; Mr. Doron Gidoni, Head of Innovation, MASHAV, Embassy of Israel and other dignitaries were present on the occasion.



राष्ट्रीय विज्ञान केंद्र, दिल्ली में 'वैक्सीन एक आशा की किरण' नामक एक अंतरराष्ट्रीय भ्रमणशील प्रदर्शनी का उद्घाटन 15 नवंबर, 2022 को भारत सरकार के संस्कृति और संसदीय मामलों के राज्य मंत्री माननीय श्री अर्जुन राम मेघवाल द्वारा, श्री एलेक्स एलिस, भारत में ब्रिटिश उच्चायोग, श्री स्कॉट मैकडोनाल्ड, मुख्य कार्यकारी ब्रिटिश काउंसिल, सर इयान ब्लैचफोर्ड, कार्यकारी निदेशक विज्ञान संग्रहालय समूह, लंदन की गरिमामयी उपस्थिति में किया गया।

प्रदर्शनी में 'नए वायरस का आगमन', 'एक नई वैक्सीन डिजाइन करना', 'परीक्षण, परिणाम और अनुमोदन', 'स्केलिंग अप और बड़े पैमाने पर उत्पादन', 'वैक्सीन रोलआउट', 'कोविड के साथ रहना' पर चर्चा की गयी थी और प्रदर्शनी में महामारी की गति से टीके विकसित करने के नए तरीके खोजने और टीकाकरण के ऐतिहासिक और समकालीन दृष्टिकोण से अधिक व्यापक रूप से देखने के वैश्विक प्रयास की कहानी बताती हैं।

प्रदर्शनी का विकास राष्ट्रीय विज्ञान संग्रहालय परिषद (एनसीएसएम) ने विज्ञान संग्रहालय, लंदन और वेलकम ट्रस्ट यूके के सहयोग और आईसीएमआर, भारत, एनआईवी, पुणे, सीरम इंस्टीट्यूट ऑफ इंडिया, सीएसआईआर, एम्स, एनआईबीएमजी, कल्याणी और विभिन्न अन्य अनुसंधान और वैज्ञानिक संगठन के सहयोग से किया।

'वैक्सीन एक आशा की किरण' पर मोबाइल विज्ञान प्रदर्शनी का उद्घाटन, मोबाइल प्रदर्शनी को हरी झंडी दिखा 15 नवंबर, 2022 को राष्ट्रीय विज्ञान केन्द्र, दिल्ली में माननीय श्री अर्जुन राम मेघवाल, संस्कृति राज्य मंत्री, भारत सरकार द्वारा किया गया। यह विशेष रूप से डिजाइन की गई भ्रमणशील प्रदर्शनी बस मानव जीवन को बचाने में टीकों के महत्व के बारे में जागरूकता बढ़ाने के लिए पूरे उत्तर भारत में यात्रा कर रही है।

An international travelling exhibition titled 'Vaccines Injecting Hope' was inaugurated on November 15, 2022 by Shri Arjun Ram Meghwal, Hon'ble Minister of State for Culture and Parliamentary Affairs, Govt. of India at National Science Centre, Delhi in the august presence of His Excellency Mr. Alex Ellis, High Commissioner, British High Commission in India, Mr. Scott McDonald, Chief Executive, British Council, Sir Ian Blatchford, Executive Director, Science Museum Group, London.

The exhibition has sections on 'The Arrival of New Virus', 'Designing a New Vaccine', 'Trials, Results and Approvals', 'Scaling Up and Mass Production', 'Vaccine Rollout', 'Living with COVID' and tells the story of the global effort to find new ways to develop vaccines at pandemic speed and look at vaccinations more broadly with a historical and contemporary view.

The exhibition was developed by the National Council of Science Museums (NCSM) in collaboration with Science Museum, London and with support from Wellcome, UK, ICMR, India, NIV, Pune, Serum Institute of India, CSIR, AIIMS, NIBMG, Kalyani and various other research and scientific organisation.

The Mobile Science Exhibition on 'Vaccines: Injecting Hope' was inaugurated and flagged off on November 15, 2022 at National Science Centre, Delhi by Shri Arjun Ram Meghwal, Minister of State for Culture, Govt. of India. This specially designed MSE Bus is travelling to all over northern India to raise awareness about the importance of vaccines in saving human lives.

नोबेल पुरस्कार विजेता 2022 पर एक प्रदर्शनी 9 जनवरी, 2023 को केंद्र की स्थापना दिवस के अवसर पर लगाई गई। प्रदर्शनी में अल्फ्रेड नोबेल के संक्षिप्त परिचय सहित भौतिकी, रसायन विज्ञान और शरीर विज्ञान या चिकित्सा के क्षेत्र में विजेताओं के काम को दर्शाया गया है।

An exhibition on Nobel Prize Laureates 2022 was opened on January 9, 2023 on the occasion of Anniversary day. The exhibition portrays the winners' work in the field of physics, chemistry and physiology or medicine including brief introduction of Alfred Nobel.



आजादी का अमृत महोत्सव के तहत, नेहरू तारामंडल, दिल्ली और स्पेस फाउंडेशन के सहयोग से खगोल विज्ञान के प्रति उत्साही लोगों के लिए, एस्ट्रो नाइट टूरिज्म कार्यक्रम 6 से 8 जनवरी, 2023 तक कर्तव्य पथ, इंडिया गेट, नई दिल्ली के पास, 5 और 6 फरवरी 2023 को लाल किले, दिल्ली में और 5 और 6 मार्च, 2023 को पुराने किले, नई दिल्ली में आयोजित किया गया था।

Under Azadi Ka Amrit Mahotsav, Astro Night Tourism programme in collaboration with Nehru Planetarium, Delhi and SPACE Foundation was organised on Kartavya Path, Near India Gate, New Delhi from January 6 to 8, 2023, at Red Fort, New Delhi on February 5 & 6, 2023 and at Old Fort, New Delhi on March 5 & 6, 2023 for Astronomy enthusiasts.

14 दिसंबर, 2022 को 'दिल्ली संग्रहालय समूह' की एक बैठक आयोजित की गई जिसमें राष्ट्रीय रेल संग्रहालय, म्यूजियम ऑफ इल्यूजन्स, राष्ट्रीय प्राणी उद्यान, एन.जी.एम.ए. और अन्य समान विचारधारा वाले संगठनों ने भाग लिया।

A meeting of 'Delhi Museums collective' in Delhi was organised on December 14, 2022 in which National Rail Museum, Museum of Illusions, National Zoological Park, NGMA and other similar minded organisations participated.

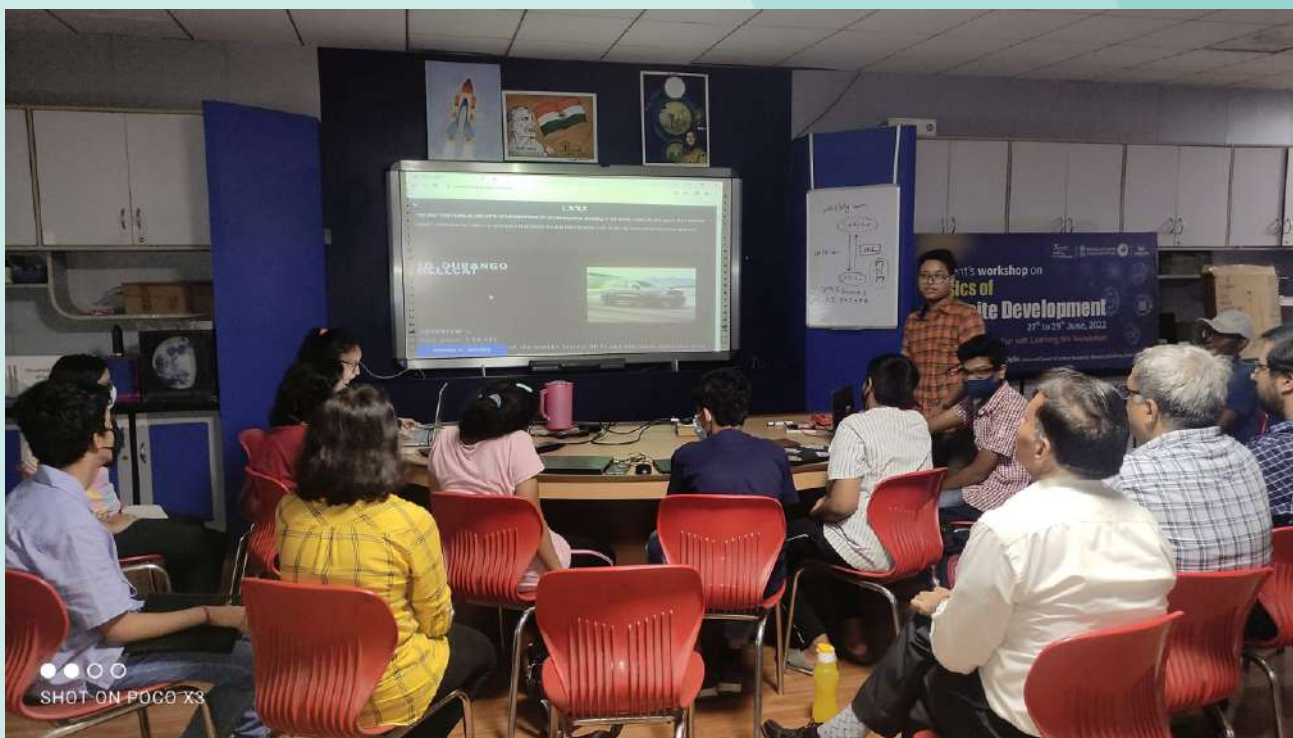




वृहद स्तर पर कार्यक्रम विकसित करने की दृष्टि से 16 नवंबर, 2022 को 'स्टेम लर्निंग' पर एक राउंड टेबल कार्यक्रम आयोजित किया गया। इस राउंड टेबल कार्यक्रम में राष्ट्रीय विज्ञान संग्रहालय परिषद और विज्ञान संग्रहालय समूह, यू.के. के प्रतिभागियों के अलावा, एस.टी.ई.एम. शिक्षा से जुड़े हितधारकों, वैज्ञानिकों, शिक्षाविदों और गैर सरकारी संगठनों के प्रतिनिधियों ने भाग लिया। इसका उद्देश्य उक्त क्षेत्र में अवसरों और चुनौतियों की पहचान करना और कुछ व्यावहारिक विचारों और कार्यों का प्रस्ताव एवं चयन करना था। प्रतिभागियों द्वारा एस.टी.ई.एम. सीखने पर समृद्ध अनुभव पर सात पी.पी.टी. की प्रस्तुति दी गई जिसके बाद चर्चा हुई। इस कार्यक्रम में विश्वविद्यालय, संग्रहालयों और अन्य समान विचारधारा वाले संगठनों के लगभग 50 प्रतिभागियों ने भाग लिया।

A roundtable event on STEM learning was organised on November 16, 2022 with a view to develop large-scale programme. In addition to participants from NCSM & Science Museum Group, UK in this roundtable event, a range of stakeholders, scientists, educationists & representatives of NGOs associated with STEM education participated. The purpose was to identify opportunities and challenges in the said field and propose some practical considerations and actions. 7 no. of PPT presentation on enriching experience on STEM learning were delivered by participants followed by discussion. About 50 participants from university, museums and other similar minded organisations attended the event.





नवप्रवर्तन हब में 27 से 29 जून 2022 तक 'बेसिक्स ऑफ वेबसाइट डेवलपमेंट' पर एक कार्यशाला का आयोजन किया गया। कार्यशाला में कक्षा 8 से 12 के 12 स्कूली छात्रों ने भाग लिया और उन्हें वेबसाइट विकास तकनीकों से अवगत कराया गया।

'मेकिंग स्पीकर', 'फैंटास्टिक केमिस्ट्री', 'पीप इन टू द सेल', 'टेस्ला कॉइल', 'रोबोटिक्स', 'रेसिंग ऑफ़ मॉलिक्यूल्स', 'मेकिंग ब्रिजेज' और 'वॉटर' विषयों पर इंटरैक्टिव सत्र और व्यावहारिक गतिविधियां आयोजित की गईं। जिसमें जुलाई 2022 से मार्च 2023 तक दिल्ली और एन.सी.आर. के विभिन्न स्कूलों के लगभग 950 विद्यार्थियों ने भाग लिया।

10 जुलाई, 2022 को स्कूली बच्चों के लिए 'ड्रोन प्रौद्योगिकी और उसके अनुप्रयोगों' पर एक सत्र आयोजित किया गया। छात्रों को ड्रोन संयोजन की तकनीक, और विभिन्न क्षेत्रों में उनकी उपयोगिताएँ से अवगत कराया गया।

नवप्रवर्तन हब के सदस्यों के लिए 'टूल ऑपरेशन' पर इंटरैक्टिव कार्यशाला 1 और 2 अक्टूबर, 2022 को आयोजित की गई थी। इस कार्यशाला के दौरान, प्रतिभागियों ने माप, इलेक्ट्रॉनिक्स उपकरणों की हैंडलिंग के महत्व को सीखा। उन्हें बायोटेक्नोलॉजी लैब में प्रयोग होने वाले उपकरणों की जानकारी दी गई। प्रतिभागियों ने उपलब्ध सामग्रियों और उपकरणों का उपयोग करके नवीन प्रोजेक्ट्स बनाए।

'इनोवेटिव टीचिंग: पायथन' कार्यशाला का आयोजन 28 और 29 अक्टूबर, 2022 को सी-डैक और एन.सी.ई.आर.टी. के सहयोग से किया गया था। इस कार्यशाला में 20 विद्यार्थियों ने भाग लिया।

16 दिसंबर 2022 को स्कूली छात्रों के लिए 'गणित और कम्प्यूटेशनल सोच' पर एक सत्र आयोजित किया गया जिसमें 40 छात्रों और शिक्षकों ने भाग लिया।

A workshop on 'Basics of Website Development' was organised from June 27 to 29, 2022 in Innovation Hub. 12 school students of class 8 to 12 participated in the workshop and were given exposure to website development techniques.

Interactive sessions and hands-on activities on the topics "Making Speaker", 'Fantastic Chemistry', 'Peep into the Cell', 'Tesla Coil', 'Robotics', 'Racing Molecules', Making Bridges' & 'Water' were organised in which about 950 students from various schools of Delhi & NCR participated from July 2022 to March 2023.

A session on the 'Drone Technology and its applications' was organised for school students on July 10, 2022. The students were exposed to techniques of assembling drones, its technology and their utilities in various fields.

Interactive workshop on 'Tool operation' for members of Innovation Space was organised on October 1 & 2, 2022. During this workshop, participants learnt the importance of measurement, handling of electronics tools. They were given exposure of equipment used in Biotechnology Lab. The participants made innovative projects using available materials and tools.

'Innovative Teaching: Python' was organised on October 28 & 29, 2022 in association with C-DAC and NCERT. 20 students attended this workshop.

A session on 'Maths and Computational Thinking' was organised on December 16, 2022 for the school students in which 40 students and teachers participated.

केंद्र ने 29 नवंबर, 2022 को उत्तरी भारत विज्ञान नाटक प्रतियोगिता का आयोजन किया। उत्तरी राज्यों यानी हिमाचल प्रदेश, जम्मू और कश्मीर, दिल्ली, उत्तर प्रदेश, चंडीगढ़, हरियाणा और उत्तराखंड की शीर्ष दो विजेता टीमों ने इस विज्ञान नाटक में भाग लिया। इसमें क्षेत्रीय स्तर पर 13 टीमों ने भाग लिया। इस विज्ञान नाटक का मुख्य विषय 'मानव जाति के लाभ के लिए विज्ञान और प्रौद्योगिकी' था। सभी टीमों ने उप-विषयों - टीके की कहानी, महामारी: सामाजिक और वैज्ञानिक मुद्दे, जीवन की गुणवत्ता में सुधार के लिए प्रौद्योगिकी नवाचार, बुनियादी विज्ञान और सतत विकास में से एक पर अपना विज्ञान नाटक प्रस्तुत किया।



श्री शम्मी नारंग, प्रख्यात वॉयस-ओवर कलाकार और पूर्व समाचार वाचक, नई दिल्ली ने प्रतियोगिता का उद्घाटन किया। तीन जजों के एक पैनल ने टीमों के प्रदर्शन का मूल्यांकन किया और सर्वश्रेष्ठ अभिनेता, सर्वश्रेष्ठ अभिनेत्री, सर्वश्रेष्ठ स्क्रिप्ट और सर्वश्रेष्ठ निर्देशक और तीन सर्वश्रेष्ठ टीमों को चुना। श्रीमती सुषमा सेठ प्रख्यात थिएटर, टीवी और फिल्म कलाकार, नई दिल्ली ने शाम को समापन के दौरान विजेताओं को पुरस्कार दिए। इस कार्यक्रम में 2,000 से अधिक छात्र दर्शक के रूप में शामिल हुए।

The Centre organized Northern India Science Drama Contest on November 29, 2022. Top two winner teams from the Northern States i.e. Himachal Pradesh, Jammu & Kashmir, Delhi Uttar Pradesh, Chandigarh UT, Haryana & Uttarakhand participated in this Science Drama. There were 13 teams participated at zonal level. The main theme for this science drama was 'Science and Technology for the Benefit of Mankind'. All the teams performed their science drama on one of the sub-themes – Story of Vaccines, Pandemic: Social & Scientific Issues, Technology Innovation for Improving Quality of Life, Basic Sciences & Sustainable Development. Shri Shammi Narang, Eminent Voice-Over Artist & Former News Anchor, New Delhi inaugurated the contest. A panel of three judges evaluated the performance of the teams and decided upon the Best Actor, Best Actress, Best Script and Best Director and three best teams. Smt. Sushma Seth, Eminent Theatre, TV & Film Artist, New Delhi gave away the prizes to the winners during valediction in the evening. More than 2,000 students attended this event as audience.

19 मई, 2022 को 'संग्रहालय की शक्ति' पर एक पैनल डिस्कशन आयोजित की गई थी। सांस्कृतिक विरासत के संरक्षण में संग्रहालयों के महत्व पर चर्चा करने के लिए विभिन्न संस्थानों के प्रतिष्ठित पैनलिस्टों को आमंत्रित किया गया था। प्रो. किनी प्रधान, डीन स्कूल ऑफ मास कम्युनिकेशन जी.जी.आई.पी., दिल्ली, डॉ. ज्योति अटवाल, एसोसिएट प्रोफेसर, ऐतिहासिक अध्ययन केंद्र, जेएनयू, दिल्ली, डॉ. सविता कुमारी, सहायक प्रोफेसर और प्रभारी रजिस्ट्रार, राष्ट्रीय संग्रहालय संस्थान, नई दिल्ली और डॉ. ममता भट्ट पांडे, कला संरक्षक, इंदिरा गांधी राष्ट्रीय कला केंद्र, नई दिल्ली ने दर्शकों के साथ बातचीत की। कार्यक्रम में 75 प्रतिभागियों ने भाग लिया। रा. वि. के., दिल्ली ने म्यूजियम ऑफ इल्यूजन्स, दिल्ली के सहयोग से 28 जुलाई, 2022 को दिल्ली पब्लिक स्कूल, गाजियाबाद सोसाइटी के साथ एक शिक्षक बैठक का आयोजन किया।

A panel discussion on 'Power of the Museums' was organised on May 19, 2022. The eminent panellists from various institutes were invited to discuss the significance of museums in conservation of cultural heritage. Prof. Queeny Pradhan, Dean School of Mass Communication, GGIP, Delhi; Dr. Jyoti Atwal, Associate Professor, Centre for Historical Studies, JNU, Delhi; Dr. Savita Kumari, Assistant Professor & Registrar In-charge, National Museum Institute, New Delhi & Dr. Mamta Bhatt Pandey, Art Conservator, Indira Gandhi National Centre for Art, New Delhi interacted with audience. 75 participants participated in the programme. NSC, Delhi with support from Museum of Illusions, Delhi organized an Educator's Meet with Delhi Public School, Ghaziabad society in July 28, 2022.

1 जून, 2022 'पारंपरिक दवाओं' पर एक लोकप्रिय व्याख्यान आयोजित किया गया था। यह व्याख्यान स्वामी विवेकानंद आयुर्वेदिक पंचकर्म अस्पताल, दिल्ली के पंचकर्म विशेषज्ञ डॉ. सत्य एन. डोर्नाला द्वारा दिया गया था। 2 जून, 2022 कंप्यूटर विशेषज्ञ और लेखक डॉ. धीरज चिल्लर द्वारा 'साइबर वर्ल्ड' पर एक लोकप्रिय व्याख्यान दिया गया।

8 अगस्त, 2022 'द मैजिक एंड मिस्ट्रीज ऑफ स्टेम सेल' पर एक व्याख्यान डॉ. सुजाता मोहंती, प्रोफेसर डीबीटी सेंटर ऑफ एक्सीलेंस फॉर स्टेम सेल रिसर्च, एम्स, दिल्ली द्वारा दिया गया। 10 अगस्त, 2022 भारतीय मौसम विज्ञान विभाग, नई दिल्ली के महानिदेशक डॉ. मृत्युंजय मोहपात्रा द्वारा 'मौसम पूर्वानुमान तंत्र' पर एक व्याख्यान दिया गया।

26 अगस्त, 2022 एनपीसीआईएल के सहायक मुख्य अभियंता उममेद यादव ने 'शांति के लिए परमाणु' पर एक लोकप्रिय व्याख्यान दिया। 16 सितंबर, 2022 'ओजोन की वर्तमान स्थिति और पृथ्वी पर जीवन के लिए इसके स्वास्थ्य प्रभाव' पर डॉ. सिद्धार्थ सिंह, वरिष्ठ वैज्ञानिक, भारतीय मौसम विज्ञान विभाग नई दिल्ली द्वारा एक लोकप्रिय व्याख्यान आयोजित किया गया। 29 सितंबर 2022 विज्ञान प्रसार के वरिष्ठ वैज्ञानिक डॉ. टी.वी. वेंकटेश्वरन, जेडब्ल्यूएसटी द्वारा 'प्रकट ब्रह्मांड के दृश्य' विषय पर एक लोकप्रिय व्याख्यान दिया गया। 27 जनवरी, 2023 यूनाइटेड किंगडम के प्रसिद्ध विज्ञान संचारक श्री डेविड प्राइस द्वारा 'विज्ञान को मजेदार और सरल बनाने' पर एक लोकप्रिय विज्ञान व्याख्यान का आयोजन किया। दर्शकों को प्ले-वे पद्धति का उपयोग करके विज्ञान के बारे में समझाया गया।

28 फरवरी, 2023 डॉ. लियाना सुसान जॉर्ज, वरिष्ठ वैज्ञानिक और सार्वजनिक स्वास्थ्य विशेषज्ञ, आईसीएमआर, दिल्ली ने 'टीके: वे कैसे काम करते हैं?' विषय पर एक व्याख्यान दिया। 25 मार्च, 2023 को डॉ. प्रसून रॉय, हेड सेंटर फॉर फायर विस्फोटक और पर्यावरण सुरक्षा, डीआरडीओ द्वारा 'विस्फोट और बैलिस्टिक शमन के लिए पॉलिमर कोटिंग' पर दिया गया। केन्द्र ने, सिनोप्सिस इंडिया लिमिटेड के सहयोग से व्यावहारिक शिक्षण इनपुट के माध्यम से स्कूलों में विज्ञान शिक्षा को पूरक करने के लिए काम कर रही एक गैर सरकारी संगठन अगस्त्य इंटरनेशनल फाउंडेशन के सहयोग से विज्ञान और इंजीनियरिंग पर चयनित नवीन परियोजनाओं के लिए 'अन्वेषण - विज्ञान और इंजीनियरिंग' मेले का आयोजन किया।

अन्वेषा 2023 का विषय 'स्थायी विकास के लिए अपशिष्ट प्रबंधन में नवीन रणनीतियाँ और नवीन प्रौद्योगिकियाँ' था। मेले का उद्घाटन 9 फरवरी, 2023 को आईआईटी, दिल्ली के पूर्व निदेशक डॉ. वी. रामगोपाल राव ने किया। नवप्रवर्तक महोत्सव 25 और 26 मार्च, 2023 को आयोजित किया गया था। यह कार्यक्रम डिजिटल मीडिया में प्रकाशित किया गया था और महोत्सव के दौरान विभिन्न कार्यक्रमों और प्रतियोगिताओं में भाग लेने के लिए प्रविष्टियों को आमंत्रित किया गया था।

June 1, 2022 A popular lecture on 'Traditional Medicines' was organised. The lecture was delivered by Dr. Sathya N. Dornala, Panchakarma Specialist, Swami Vivekanand Ayurvedic Panchakarma Hospital, Delhi. June 2, 2022 A popular lecture by Dr. Dheeraj Chiller, a computer expert and book was delivered on 'Cyber World' on. August 8, 2022 Dr. Sujata Mohanty, Professor, DBT, Centre of Excellence for Stem Cell Research, AIIMS, Delhi delivered a lecture on 'The Magic & Mysteries of Stem Cell' on. August 10, 2022 A lecture on 'Weather Forecasting Mechanism' was delivered by Dr. Mrutyunjay Mohapatra, Director General, Indian Meteorological Department, New Delhi. August 26, 2022 Sh. Umed Yadav, Assistant Chief Engineer, NPCIL delivered a popular lecture on 'Atom for Peace'. September 16, 2022 A popular lecture on 'Present status of Ozone and its Health implications for life on Earth' was organised. The lecture was delivered by Dr. Siddharth Singh, Sr. Scientist, Indian Meteorological Department, New Delhi. September 29, 2022 Dr. T.V. Venkateswaran, Senior Scientist, Vigyan Prasara, delivered a popular lecture on 'Vistas of cosmos revealed by JWST'. January 27, 2023 The Centre organised a Popular Science Lecture on 'Making Science Fun and Simple' by Mr. David Price, renowned Science Communicator from the United Kingdom on Mr. Price delivered an interactive talk and demonstrated the Fun Science activities which engaged the audiences and explained the science using play-way method. February 28, 2023 Dr. Leyanna Susan George, Senior Scientist & Public Health Specialist, ICMR, Delhi delivered a lecture on 'Vaccines: How do they work?'. March 25, 2023 another lecture was delivered by Dr. Prasun Roy, Head Centre for Fire, Explosive and Environment Safety, DRDO on 'Polymer Coating for Blast and Ballistic Mitigation'. The Centre organized 'Anveshana - Science & Engineering' fair for selected innovative projects on science & engineering in collaboration with Agastya International Foundation, an NGO working to supplement science education among schools through hands-on learning inputs in association with Synopsys India Ltd.

The theme of Anveshana 2023 was 'Novel strategies and innovative technologies in waste management for a sustainable development'. The fair was inaugurated

इस महोत्सव का उद्घाटन 25 मार्च, 2023 को NASI के अध्यक्ष और आईसीएमआर के पूर्व महानिदेशक पदमश्री डॉ. बलराम भार्गव ने किया। कला, शिल्प, विज्ञान और प्रौद्योगिकी और रोबोटिक क्षेत्र की कंपनियों सहित 32 नवप्रवर्तकों ने इस महोत्सव में अपने अभिनव कार्यों का प्रदर्शन किया।

22 अप्रैल, 2022 को छात्रों के लिए 'ग्रीन केमिस्ट्री फॉर सस्टेनेबल टुमॉरो' पर एक कार्यशाला का आयोजन किया गया। छात्रों के लिए 30 मई, 2022 को 'फोटोग्राफी के तत्व' पर एक कार्यशाला का आयोजन किया गया। 7 दिसंबर, 2022 को स्कूली छात्रों के लिए 'स्किटून एंड कॉमिक मेकिंग' पर एक कार्यशाला का आयोजन किया गया। स्कूली छात्रों के लिए ग्रीष्मकालीन अवकाश शिविर 23 मई से 3 जून, 2022 तक आयोजित किए गए। कक्षा 6वीं से 12वीं तक के छात्रों ने विभिन्न विषयों में शिविरों में भाग लिया। साइंटिफिक टॉय मेकिंग (जूनियर), साइंटिफिक टॉय मेकिंग (सीनियर), एस्ट्रो लैब, वंडर्स ऑफ इलेक्ट्रॉनिक्स और बायोटेक्नोलॉजी ऐसी स्टीम थीं, जिनमें विभिन्न स्कूलों के 115 छात्रों ने भाग लिया और शिविरों के दौरान 575 किट/प्रोजेक्ट विकसित किए गए। 19 मई, 2022, 24 अगस्त, 2022, 16 सितंबर, 2022, 28 फरवरी, 2023 और 16 मार्च, 2023 को सेवारत शिक्षकों के लिए 'कम लागत वाली शिक्षण सहायता का विकास और उपयोग' पर इंटरएक्टिव कार्यशालाएँ आयोजित की गईं।



on February 9, 2023 by Dr. V. Ramgopal Rao, Former Director, IIT, Delhi.

Innovation Festival was organised on March 25 & 26, 2023. The event was published in digital media and entries were invited to participate in different events and contests during the festival. The festival was inaugurated by Padamshree Dr. Balram Bhargava, President of NASI and Ex Director General of ICMR on March 25, 2023. 32 innovators including companies from the field of art, craft, science, and technology and robotic displayed their innovative works in the festival.

A workshop on 'Green Chemistry for Sustainable Tomorrow' was organised for students on April 22, 2022. A workshop on 'Elements of Photography' was organised on May 30, 2022 for students. A workshop on 'SCITOON and Comic Making' was organised on December 7, 2022 for school students. Summer vacation hobby camps for school students were held from May 23 to June 3, 2022. The students from class 6th to 12th participated in the camps in various disciplines. Scientific Toy Making (Junior), Scientific Toy Making (Senior), Astro Lab, Wonders of Electronics, & Biotechnology were the streams in which 115 students from different schools participated and 575 kits/projects were developed during the camps. Interactive workshops on 'Development & use of Low Cost Teaching Aid' was organised for in-service teachers on May 19, 2022, August 24, 2022, September 16, 2022, February 28, 2023 & March 16, 2023.





5 जून, 2022 को विश्व पर्यावरण दिवस के अवसर पर वंचित बच्चों के लिए ओपन हाउस प्रश्नोत्तरी का आयोजन किया गया। 16 सितंबर, 2022 को विश्व ओजोन दिवस के अवसर पर लोकप्रिय विज्ञान व्याख्यान का आयोजन किया गया। वायु गुणवत्ता और अन्य पर्यावरणीय मुद्दों के विषय में जागरूकता पैदा करने के उद्देश्य से छात्र समुदाय के लिए अर्थ वॉच इंस्टीट्यूट के सहयोग से 21 दिसंबर, 2022 को 'पर्यावरण विज्ञान' पर अनुभवात्मक शिक्षण कार्यक्रम आयोजित किया गया।

13 दिसंबर, 2022 को कैंसर रोगियों के एक समूह, जिनमें ज्यादातर बच्चे थे, के लिए एक विशेष भ्रमण का आयोजन किया गया था। यह भ्रमण एक गैर सरकारी संगठन, सेंट जूड इंडिया चाइल्ड केयर सेंटर्स की मदद से संभव हुई, जो कैंसर रोग के कारणों, रोकथाम एवं उपचार के बारे में जागरूकता फैलाने में कार्यरत हैं। 20 मई 2022 को शाम 6.30 बजे से रात 10.00 बजे तक 'नाइट एट द म्यूजियम' कार्यक्रम का आयोजन किया गया, आगंतुकों को रात के समय केंद्र की गैलरी और सुविधाओं का अनुभव करने के लिए आमंत्रित किया गया था।

आंचलिक विज्ञान नगरी, लखनऊ द्वारा 'हर दिन के जीवन में मशीनें' विषय पर सीतापुर, उन्नाव, कानपुर, बाराबंकी और लखनऊ के ग्रामीण स्कूलों में मोबाइल विज्ञान प्रदर्शनी का आयोजन किया गया साथ ही इनोवेशन हब द्वारा रोबोटिक्स एनएक्सटी प्रोग्रामिंग, इलेक्ट्रॉनिक DIY, हाइड्रोपोनिक्स वर्कशॉप, एस्ट्रो-गैजेट्स, नेचर ट्रेल एंड हर्बेरियम मेकिंग, साइल प्रोफाइल, मेक एंड टेक, साइंटिफिक टॉय मेकिंग, अरुडिनो एंड आईडीई और फन विद मैथ्स पर सत्र आयोजित किए गए। इसके अतिरिक्त वाराणसी, में 'अर्थ गंगा' पर एक विशेष मोबाइल प्रदर्शनी का आयोजन भी किया गया।

Open House Quiz was organised for under-privileged children on the occasion World Environment Day on June 5, 2022. Popular science lecture was organised on the occasion of World Ozone Day on September 16, 2022. Experiential learning programme on 'Environmental Science' in collaboration with Earth Watch Institute was organised on December 21, 2022 for student community. The aim of programme was to generate awareness about the Air Quality and other environmental issues.

A special visit for a group of cancer patients, mostly children was organized on December 13, 2022. The visit was made possible with the help of an NGO, St Jude India Child Care Centres, engaged in spreading awareness on the causes of cancer disease, prevention & treatment. 'Night at the Museum' Programme was organised on May 20, 2022 from 6.30pm to 10.00pm. The visitors were invited to experience the gallery & facilities of the centre during night time.

Regional Science City, Lucknow organized Mobile Science Exhibition on the theme 'Machines in Every Day Life' at Sitapur, Unnao, Kanpur, Barabanki and rural schools of Lucknow, In addition to this a special mobile exhibition on 'Arth Ganga' was organized at Varanasi district of UP. Sessions on Robotics NXT Programming, Electronic DIY, Hydroponics workshop, Astro-gadgets, Nature Trail & Herbarium Making, Soil Profile, Make & Take, Scientific Toy making, Arduino & IDE and Fun with Maths were organised by Innovation Hub.

18 मई, 2022 को यूपी प्रदूषण नियंत्रण बोर्ड के सदस्य सचिव श्री अजय कुमार शर्मा द्वारा 'प्लास्टिक की दुनिया' नामक एक प्रदर्शनी का उद्घाटन किया गया। भारत छोड़ो आंदोलन की 80वीं वर्षगांठ के अवसर पर, 8 अगस्त, 2022 को 'हमारे स्वतंत्रता सेनानी' पर एक स्केच मेकिंग प्रतियोगिता, 'आजादी में स्वतंत्रता सेनानी की भूमिका' पर प्रश्नोत्तरी का आयोजन किया गया था। आंचलिक विज्ञान नगरी ने 20 अक्टूबर, 2022 को नगर स्तरीय विज्ञान नाटक प्रतियोगिता का आयोजन किया जिसमें महामारी, पर्यावरण, जल संरक्षण, ऊर्जा संरक्षण आदि जैसे विभिन्न विषयों पर स्थानीय स्कूली छात्रों द्वारा 11 नाटकों का सफल मंचन किया गया।

कुरुक्षेत्र पैनोरमा और विज्ञान केन्द्र, कुरुक्षेत्र और पालमपुर विज्ञान केन्द्र, पालमपुर ने राष्ट्रीय और अंतर्राष्ट्रीय महत्व के दिनों जैसे विश्व स्वास्थ्य दिवस (7 अप्रैल) पृथ्वी दिवस (22 अप्रैल), राष्ट्रीय प्रौद्योगिकी दिवस (11 मई), अंतर्राष्ट्रीय संग्रहालय दिवस (18 मई), विश्व पर्यावरण दिवस (5 जून), अंतर्राष्ट्रीय योग दिवस (21 जून), विश्व जनसंख्या दिवस (11 जुलाई), विश्व ओजोन दिवस (16 सितंबर), राष्ट्रीय एकता दिवस (31 अक्टूबर), राष्ट्रीय विज्ञान दिवस (28 फरवरी), राष्ट्रीय टीका दिवस (16 मार्च) और विश्व जल दिवस (22 मार्च) को मनाने के लिए ओपन हाउस क्विज़, पेंटिंग प्रतियोगिता, एक्सटेम्पोर टॉक, लोकप्रिय व्याख्यान, इंटरएक्टिव कार्यशालाएं आदि जैसे शैक्षिक कार्यक्रम आयोजित किए।

मुझे लगता है कि संदेश समाप्त करने से पहले, जब तक मैं, राष्ट्रीय विज्ञान केन्द्र, दिल्ली, आंचलिक विज्ञान नगरी, लखनऊ, कुरुक्षेत्र पैनोरमा एवं विज्ञान केन्द्र, कुरुक्षेत्र और पालमपुर विज्ञान केन्द्र, पालमपुर के अपने साथी अधिकारियों और एवं कर्मचारियों के अथक प्रयासों को श्रेय नहीं दूंगा जिन्होंने अपनी पूर्ण निष्ठा से निर्धारित लक्ष्यों को प्राप्त करने में हमारी सहायता की है, तब तक मैं अपने कर्तव्यों को पूर्ण नहीं कर सकूंगा। साथ ही मैं अपने मुख्यालय राष्ट्रीय विज्ञान संग्रहालय परिषद् के प्रति भी कृतज्ञता अभिव्यक्त करता हूँ, जिन्होंने जब और जहाँ भी आवश्यकता हुई, हमें सहयोग प्रदान किया।

मुझे विश्वास है कि राष्ट्रीय विज्ञान केन्द्र, आगामी वर्षों में सफलताओं व उपलब्धियों के नए कीर्तिमान स्थापित करेगा।

An exhibition titled 'World of Plastic' was inaugurated on May 18, 2022 by Shri Ajay Kumar Sharma, Member Secretary, UP Pollution Control Board. On occasion of 80th anniversary of Quit India Movement, a sketch making contest on 'Our Freedom Fighter', quiz on 'Role of freedom fighter in Independence' was organised on August 8, 2022. RSCL organized City Level Science Drama on October 20, 2022 by successful staging of 11 dramas by local school students on various themes like pandemics, environment, water conservation, energy conservation etc.

Kurukshetra Panorama & Science Centre, Kurukshetra and Palampur Science Centre, Palampur organised educational programmes like Open House Quiz, Painting Contests, Extempore Talk, Popular Lecture, Interactive Workshops etc. to commemorate the days of national & international importance like World Health Day (7th April), Earth Day (22nd April), National Technology Day (11th May), International Museum Day (18th May), World Environment Day (5th June), International Day of Yoga (21st June), World Population Day (11th July), World Ozone Day (16th September), National Unity Day (31st October), National Science Day (28th February), National Vaccine Day (16th March) & World Water Day (22nd March).

Before I conclude, I will be failing in my duties, if I do not acknowledge the untiring efforts put in by my fellow officers and staff members of NSCD, RSCL, KPSC and PSC in achieving the targets set before us. I also express my indebtedness to our headquarter at NCSM, for providing support as & when needed.

I am sure NSCD will achieve many more milestones in the years to come.

N. Ramdas Iyer







Delhi



BRIEF OF PROGRAMMES ACTIVITIES COLLABORATIONS



TRADITIONAL MEDICINE EXHIBITION

was inaugurated by Smt. Zareen Taj, Additional Director, Directorate of Education, Govt. of NCT of Delhi on April 26, 2022. The exhibition continued till October 15, 2022. This exhibition portrays the rich medical legacy of Traditional Systems of Medicine particularly Indian Medicinal Systems. The exhibition consists of 35 exhibits containing graphic panels, models, multimedia and interactive exhibits. The visitors' footfall during the period was 242530.

THE ART OF SCIENCE EXHIBITION

was organized from May 18 to October 15, 2022 with support from Embassy of Israel. This exhibition consisting of panels depicts the artistic side of the science. His Excellency the Ambassador of Israel in India, Mr. Noar Gilon inaugurated the exhibition. Ms. Hannah Anzi of Technion, Israel Institute of Technology; Mr. Doron Gidoni, Head of Innovation, MASHAV, Embassy of Israel and other dignitaries were present on the occasion. The visitors' footfall during the period was 218697.

PHOTO EXHIBITION SCIENCE IN FOCUS

in association with Foundation for Advancing Science and Technology (FAST) was organised from May 25, 2022 to June 24, 2022. This exhibition consisting of photographs of the winners of Pan India contest on photography depicted compelling visual stories on 'Everyday Science'. The visitors' footfall during the period was 59800.

An international travelling exhibition titled 'Vaccines Injecting Hope' was inaugurated on November 15, 2022 by Shri Arjun Ram Meghwal, Hon'ble Minister of State for Culture and Parliamentary Affairs, Govt. of India at National Science Centre, Delhi in the august presence of His Excellency Mr. Alex Ellis, High Commissioner, British High Commission in India, Mr. Scott McDonald, Chief Executive, British Council, Sir Ian Blatchford, Executive Director, Science Museum Group, London. The exhibition has sections on 'The Arrival of New Virus', 'Designing a New Vaccine', 'Trials, Results and Approvals', 'Scaling Up and Mass Production', 'Vaccine Rollout', 'Living with COVID' and tells the story of the global effort to find new ways to develop vaccines at pandemic speed and look at vaccinations more broadly with a historical and contemporary view. The exhibition was developed by the National Council of Science Museums (NCSM) in collaboration with Science Museum, London and with support from Wellcome, UK, ICMR, India, NIV, Pune, Serum Institute of India, CSIR, AIIMS, NIBMG, Kalyani and various other research and scientific organisation. The visitors' footfall till March 31, 2023 was 537698.



The Mobile Science Exhibition on 'Vaccines: Injecting Hope' was also inaugurated and flagged off on November 15, 2022 at National Science Centre, Delhi by Shri Arjun Ram Meghwal, Minister of State for Culture, Govt. of India.

This specially designed MSE Bus is travelling to allover northern India to raise awareness about the importance of vaccines in saving human lives. This MSE travelled Gurugram, Sonipat and Delhi, covering 28 sites (74 days) with a total distance of 930 km and the visitors' footfall till March 31, 2023 was 15905.

Vaccines Injecting Hope



An exhibition on Nobel Prize Laureates 2022 was opened on January 9, 2023 on the occasion of Anniversary day. The exhibition portrays the winners' work in the field of physics, chemistry and physiology or medicine including brief introduction of Alfred Nobel. The visitors' footfall till March 31, 2023 was 323794.

Exhibition on Nobel Prize Laureates 2022

Mobile Science Exhibition 'Arth Ganga'

A mobile science exhibition on 'Arth Ganga', developed by NSC, Delhi was inaugurated by Hon'ble Chief Minister of Uttar Pradesh, Shri Yogi Adityanath in presence of Shri Sarbananda Sonowal, Hon'ble Minister for Ports, Shipping and Waterways on January 12, 2023 at Varanasi. This 18-panel exhibition describing the importance of Ganga and its significance in our life with educational activities is on tour to the cities/ villages along the river Ganga till March, 2023 to spread the awareness for conservation of Ganga.

ASTRONIGHT

SKY TOURISM PROGRAMME



Under Azadi Ka Amrit Mahotsav, Astro Night Tourism programme in collaboration with Nehru Planetarium, Delhi and SPACE Foundation was organised on Kartavya Path, Near India Gate, New Delhi from January 6 to 8, 2023, at Red Fort, New Delhi on February 5 & 6, 2023 and at Old Fort, New Delhi on March 5 & 6, 2023 for Astronomy enthusiasts.

NSC, Delhi extended catalytic support to NIPGR, New Delhi for setting up of Science Activity Centre at Govt. Boys Senior Secondary School in Chamba (H.P.) in August 2022 as a part to reach out Aspirational Districts identified by Government of India under the celebration of Aazadi Ka Amrit Mahotsava.



Astro Night Tourism programme in collaboration with Nehru Planetarium, Delhi and SPACE Foundation was organised on Kartavya Path, Near India Gate, New Delhi from January 6 to 8, 2023 for Astronomy enthusiasts. The event is inaugurated by Sh. Arjun Ram Meghwal, Hon'ble Minister of State, Ministry of Culture, Govt. of India in the presence of Ms. Mugdha Sinha, Joint Secretary, Ministry of Culture, Govt. of India. Sh. Abhisekh Narang, Deputy Secretary, Ministry of Culture, GOI was also joined the programme. Telescopic observation of Moon and Planets were organised by an array of instruments consisting ten telescopes and a binocular. An activity corner for Astro activities and a panel exhibition consisting 17 panels was also exhibited for the visitors. Astro talk by experts, storytelling on "our nearest companion moon", Hands-on Minds-on activities on Moon's Craters, Comet, Telescope assembly and sizes in Solar System objects were also organised for visitors. Open house quiz was also conducted for children. The event was tweeted by Honourable Prime Minister of India.

A panel discussion on 'Power of the Museums' discussed the significance of museums in conservation of cultural heritage.

A panel discussion on 'Power of the Museums' was organised on May 19, 2022. The eminent panellists from various institutes were invited to discuss the significance of museums in conservation of cultural heritage. Prof. Queeny Pradhan, Dean School of Mass Communication, GGIP, Delhi; Dr. Jyoti Atwal, Associate Professor, Centre for Historical Studies, JNU, Delhi; Dr. Savita Kumari, Assistant Professor & Registrar In-charge, National Museum Institute, New Delhi & Dr. Mamta Bhatt Pandey, Art Conservator, Indira Gandhi National Centre for Art, New Delhi interacted with audience. 75 participants participated in the programme. NSC, Delhi with support from Museum of Illusions, Delhi organized an Educator's Meet with Delhi Public School, Ghaziabad society in July 28, 2022. The school principals and educators from DPSG participated in the meet. The objective of the meet was to open the platform of science centre for school teachers to develop and deliver the scientific concepts in easier and effective manner. The educators showed interest to collaborate with NSC, Delhi especially for Innovation Space and SOS facilities. Basic plan of collaboration was worked out during the meet. Visit to various facilities of NSC, Delhi and Museum of Illusion was also organized.



STEM learning

SCIENCE • TECHNOLOGY • ENGINEERING • MATHEMATICS •

A roundtable event on STEM learning was organised on November 16, 2022 with a view to develop large-scale programme. In addition to participants from NCSM & Science Museum Group, UK in this roundtable event, a range of stakeholders, scientists, educationists & representatives of NGOs associated with STEM education participated.

The purpose was to identify opportunities and challenges in the said field and propose some practical considerations and actions. 7 no. of PPT presentation on enriching experience on STEM learning were delivered by participants followed by discussion. About 50 participants from university, museums and other similar minded organisations attended the event.

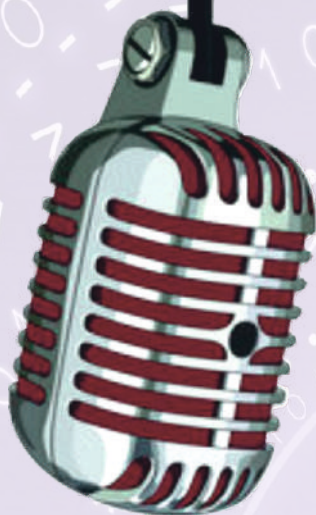


DELHI MUSEUMS' COLLECTIVE

A meeting of 'Heads of Museums' in Delhi was organised on December 14, 2022 in which National Rail Museum, Museum of Illusions, National Zoological Park, NGMA and other similar minded organisations participated. The purpose was to promote understanding among all museums for better service to the incoming visitors. The opportunities were explored to establish linkage on the basis of mutual beneficial promotional activities among all museums.



Popular Lectures



A popular lecture on **'TRADITIONAL medicines'** was organised on June 1, 2022. The lecture was delivered by Dr. Sathya N. Dornala, Panchakarma Specialist, Swami Vivekanand Ayurvedic Panchakarma Hospital, Delhi.

A popular lecture by Dr. Dheeraj Chiller, a computer expert and book was delivered on **'CYBER WORLD'** on June 2, 2022. Dr. Sujata Mohanty, Professor, DBT, Centre of Excellence for Stem Cell Research, AIIMS, Delhi delivered a lecture on **'THE magic & MYSTERIES OF STEM CELL'** on August 8, 2022.

A lecture on **'WEATHER FORECASTING mechanism'** was delivered by Dr. Mrutyunjay Mohapatra, Director General, Indian Meteorological Department, New Delhi on August 10, 2022. Sh. Umed Yadav, Assistant Chief Engineer, NPCIL delivered a popular lecture on **'ATOM FOR PEACE'** on August 26, 2022.

A popular lecture on **'PRESENT STATUS of OZONE and ITS HEALTH IMPLICATIONS FOR LIFE on EARTH'** was organised on September 16, 2022. The lecture was delivered by Dr. Siddharth Singh, Sr. Scientist, Indian Meteorological Department, New Delhi.

Dr. T.V. Venkateswaran, Senior Scientist, Vigyan Prasara, delivered a popular lecture on **'VISTAS OF COSMOS REVEALED BY JWST'** September 29, 2022.

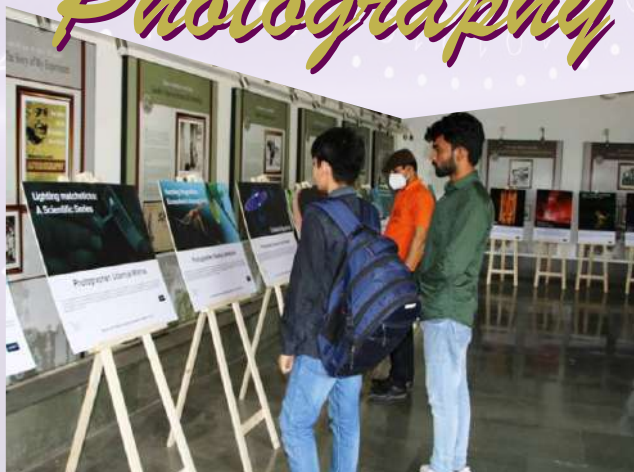
The Centre organised a Popular Science Lecture on **'making science FUN and SIMPLE'** by Mr. David Price, renowned Science Communicator from the United Kingdom on January 27, 2023.

Mr. Price delivered an interactive talk and demonstrated the Fun Science activities which engaged the audiences and explained the science using play-way method. Dr. Leyanna Susan George, Senior Scientist & Public Health Specialist, ICMR, Delhi delivered a lecture on **'VACCINES: HOW DO THEY WORK?'** on February 28, 2023.

Another lecture was delivered by Dr. Prasun Roy, Head Centre for Fire, Explosive and Environment Safety, DRDO on March 25, 2023 on **'POLYMER COATING FOR BLAST and BALLISTIC MITIGATION'**.

Large number of students, teachers and general public attended these popular lectures.

Elements of Photography



A workshop on **'Elements of Photography'** was organised on May 30, 2022 for students.

In this workshop, students visualized the science through photographs. From understanding the basics of photography, exploring the nuances of nature/wildlife photography, students got the opportunity to click photographs in the NSC campus, and received live feedback from the workshop facilitator.

The workshop also included learning the art of macro photography (using a macro lens). 70 students from various schools participated in the workshop.

Summer vacation hobby camps

Summer Vacation camps for school students were held from May 30 to June 3, 2022. The students from class 6th to 12th participated in the camps in various disciplines. Scientific Toy Making (Junior), Scientific Toy Making (Senior), Astro Lab, Wonders of Electronics, & Biotechnology were the streams in which 115 students from different schools participated and 575 kits/projects were developed during the camps.





A workshop on **'SCITOOON and Comic Making'** was organised on December 7, 2022 for school students. During the workshop basic training of making a comic book and telling a story using cartoons was provided to students. The students narrated and drew their stories of digital and social media scientific news which they come across in their life time in the form comic booklet. Large number students participated in the workshop.

Open House Quiz was organised for under-privileged children on the occasion World Environment Day on June 5, 2022. Popular science lecture was organised on the occasion of World Ozone Day on September 16, 2022. Experiential learning programme on **'Environmental Science'** in collaboration with Earth Watch Institute was organised on December 21, 2022 for student community. The aim of programme was to generate awareness about the Air Quality and other environmental issues. The events on **'E-learning Portal for Citizen Science and Experiential learning'**; demonstration of interactive 'Air Quality Monitoring Sensors' followed by interaction with Prof. Sushil Kumar Dash, Sr. Scientist, IIT, Delhi were organised. An attractive Puppet Show on 'Climate Changes' was conducted for the audiences. More than 500 students attended these events.

NSC, Delhi organised special science demonstrations on the topic 'Kitchen astronomy', 'Chemical blast' and 'Low Temperature Show' on August 13 & 14, 2022 under the theme Azadi ka Amrit Mahotsav. A selfie point symbolising 'Celebration of 75 Years of India's Independence' was developed and installed at the reception of the centre. Under the programme 'Har Ghar Tiranga', the National Flag was distributed to staff member for hoisting the flag at home during the programme tenure.





Interactive workshops on 'Development & use of Low Cost Teaching Aid' was organised for in-service teachers on May 19, 2022, August 24, 2022, September 16, 2022, February 28, 2023 & March 16, 2023. The participating teachers were trained in development of teaching aids on Inertia, Air Pressure and Energy. Around 890 pre-service teachers from various DIETs & B.Ed. Colleges of Delhi & NCR participated in the workshop.





Regional Science city Libeknow





The Centre in association with Ground Water Department, Uttar Pradesh organized the weeklong celebrations on Ground Water awareness from 16th to 22nd July 2022. The entire weeklong program was sponsored by the Ground Water Department, Govt. of Uttar Pradesh with the Grand concluding ceremony which was graced by Hon'ble Chief Minister of Uttar Pradesh Shri Yogi Aditya Nath in presence of Shri Swatantra Dev Singh, Hon'ble Minister of Jal Shakti, Shri Durga Shanker Mishra, Principal Secretary UP, and Shri Anurag Srivastava, Principal Secretary, Namami Gange, Govt. of UP and in presence of large gathering of other dignitaries, teachers, students and general public.



During the celebration various programmes were organised for school students as well as for general masses like Quiz programme, puppet Show, mega painting contest, nukkad natak, workshop on hydroponics, demonstration on rain water harvesting plant, collage making contest, capture water wastage or water conserving activities, pick & speak contest, science film show, popular science lecture and outreach programme in rural places. Around 3000 students and general public were witnessed of the program.



RSC Lucknow in association with NPCIL organized the NPCIL-DAE Iconic Week from 22nd to 28th August 2022. During the celebration following programmes were organised for school children and as well as general masses like Poster making contest in two categories on the theme 'Nuclear Energy: Atom for Peace' & 'Nuclear Energy', Quiz programed on the topic 'Nuclear Science' and Film Show on 'Nuclear Energy & Visit of Nuclear Power Plant/ Budihya ki Kahani'.



In addition to this a teacher orientation programed was also organized for school science teachers in which participating teachers fabricate various sciences teaching aids on 'Atoms & Structure'. On the concluding day of NPCIL-DAE Iconic Week Celebration, Dr Jaya Pandey, Associate Professor, Department of Chemistry, Amity University, Lucknow Campus delivered a popular science lecture on the topic 'Atom and Nuclear Energy' on 28th August 2022 at Regional Science City, Lucknow.

The centre organized many community Programmes on this occasion like International Yoga Day, Swachhta Pakhwada, International Womens' Day, World AIDS Day, World Leprosy Day, Outdoor Cleaning Campaign, No Tobacco Day etc to aware peoples and developing scientific attitude in the society.



City Level Science Drama: City Level Science Drama was organized on 20th October 2022 in which 11 teams from the schools of Lucknow presented the performance to sensitize the people on various issues related to our society.



The Centre organized 48 sky observation programmes in which 6620 students & general visitors participated.



Teachers' Training Programed: The centre organized 04 teachers' training Programed during the year in which 93 teachers attended and developed 80 teaching aids during the training programed.





कुरुक्षेत्र

पैनोरमा एवं विज्ञान केन्द्र, कुरुक्षेत्र



Har Ghar Tiranga

This year nation was celebrating 75th Anniversary of Independence. KPSC organised a number of programmes to commemorate Azadi ka Amrit Mahotsav.

- Programmes organised under "Har Ghar Tiranga"
 - Indian flags were distributed to the officials of Kurukshetra Panorama & Science Centre.
 - Tiranga march was organised by KPSC, Kurukshetra with the students on August 13, 2022. About 150 students participated the programme.
 - Other programs & Activities organised under Azadi ka Amrit Mahotsav.
1. Special Visit of underprivileged children's was organised under "Har Ghar Tiranga" programme to commemorate Azadi Ka Amrit Mahotsava on August 14, 2022 in the Centre. About 200 students participated in this programme.
 2. Indian flags were distributed by KPSC, Kurukshetra to the first 100 visitors on August 14, 2022.
 3. Freedom Quiz on the Freedom Movement under Azadi ka Amrit Mahotsav was organised by KPSC, Kurukshetra.





Round the year
KPSC
organised a number
of programmes to
popularise
science &
Technology.

KPSC also organised a number of Astronight and Mobile Science Exhibition programmes. Various Astro Night programmes were organised by KPSC, Kurukshetra under Azadi Ka Amrit Mahotsava in Champawat, during Vigyan Mahotsava organised by Uttarakhand Council of Science & Technology from November 19 to 22, 2022.



KPSC participated in 50th Chandigarh State Level Science, Mathematics and Environment Exhibition for Children from December 6 to 8, 2022. Science Conclave organised by Ch. Bansi Lal University, in Bhiwani from February 12 to 13, 2023. Astro Night was organised during Vigyan Yatra. Special Night Sky Observation Programme for Girls were conducted from September 26, 2022 and from 23 to 27 December, 2022. Total 180 Girls participated in these programmes. Special Security arrangements were made by deploying the female guards. The programmes were conducted by Female Education Staff. Special Exposure Programmes for Divyangs was organised on April 19, 2022 by KPSC, Kurukshetra. Total 14 Divyang children visited Kurukshetra Panorama & Science Centre. In this programme Children's along with their escorts were shown science demonstrations in the Centre. These Children were also taken to Panorama Hall, Heritage gallery and the Fun Science gallery of the Centre.



Kurukshetra Panorama & Science Centre organized Summer Vacation Camp for children from June 20, 2022 to June 24, 2022. This year, the camp was organised online in two disciplines; Scientific Toy Making and Exploring Nature. Students from class VI to VIII participated in both the Scientific Toy Making and Exploring Nature. 58 students were participated.



inside the galleries.....





“Khana Khazana : My Food Heritage” Poster Making & Write-up Contest was organised by KPSC, Kurukshetra in collaboration with the Indian National Trust for Art and Cultural Heritage (INTACH) on February 6, 2023. About 200 students participated in this programme.

A Webinar for the students of Jawahar Navodaya Vidyalaya, Pabra, Haryana was conducted by KPSC, Kurukshetra on February 21, 2023. They were demonstrated about how Human body works. More than 200 students participated in this programme.

3. Astro Night was organised by KPSC, Kurukshetra during Science Conclave organised by Guru Jambheshwar University of Science and Technology, Hisar from December 5 to 6, 2022. Several Popular Science Lectures, 3D Shows, Film Shows, Taramandal Shows and Online Competitions and several offline competition like Open House Quizzes, Slogan Writing, Painting Contests and Essay Writing Contests were conducted towards Education Extension Programs by KPSC, Kurukshetra. In these programmes more than 3000 students participated.

Popular Science Lecture on Importance of Museums in the Society under Azadi Ka Amrit Mahotsava was delivered by Dr A. R. Chaudhary, Director, Centre of Excellence on Saraswati River, Kurukshetra University, Kurukshetra on International Museum Day on May 18, 2022. 200 students attended the lecture.

Popular Science Lecture on Atom for Peace under Azadi Ka Amrit Mahotsava was delivered by Sh. Rajesh Chakravarti, Scientist E, Gorakhpur Haryana Anu Vidyut Pariyojana, Fatehabad on the occasion of NPCIL-DAE Iconic Week on August 26, 2022. 500 students attended the lecture. Large number of 3D Shows, Film Shows, Taramandal Shows and several Open House Quizzes, Slogan Writing Contests, Painting Contests and Essay Writing Contests were conducted during the year by KPSC, Kurukshetra.



Palampur Science Centre





Shri Anurag Thakur, Hon'ble Union Cabinet Minister for Information & Broadcasting and Youth Affairs & Sports, Government of India, inaugurated Palampur Science Centre, the first Science Centre in Himachal Pradesh on 14th May 2022, in the august presence of Shri Kishan Kapoor, Hon'ble Member of Parliament (Kangra LS); Shri Ashish Butail, Hon'ble Member of Legislative Assembly, Palampur and Smt. Poonam Bali, Mayor, Palampur Municipal Corporation. Among other dignitaries present on this occasion were Ms. Lily Pandeya, Joint Secretary, Ministry of Culture Government of India; Shri A. D. Chaudhury, Director General, National Council of Science Museums (NCSM); Shri D. Rama Sarma, Director, National Science Centre, Delhi and Shri Abhishek Narang, Deputy Secretary, Ministry of Culture, Government of India.



Since its inauguration, a total of **20** Commemorative, **03** Community & **06** Collaborative programmes were conducted at Palampur Science Centre, under Azadi ka Amrit Mahotsav in which around **61** events and competitions were held along with **16** Popular Science Lectures on different themes during the year 2022-23. Along with this, a total of **61** programmes/activities/projects were done at Innovation Hub, PSC, Palampur.



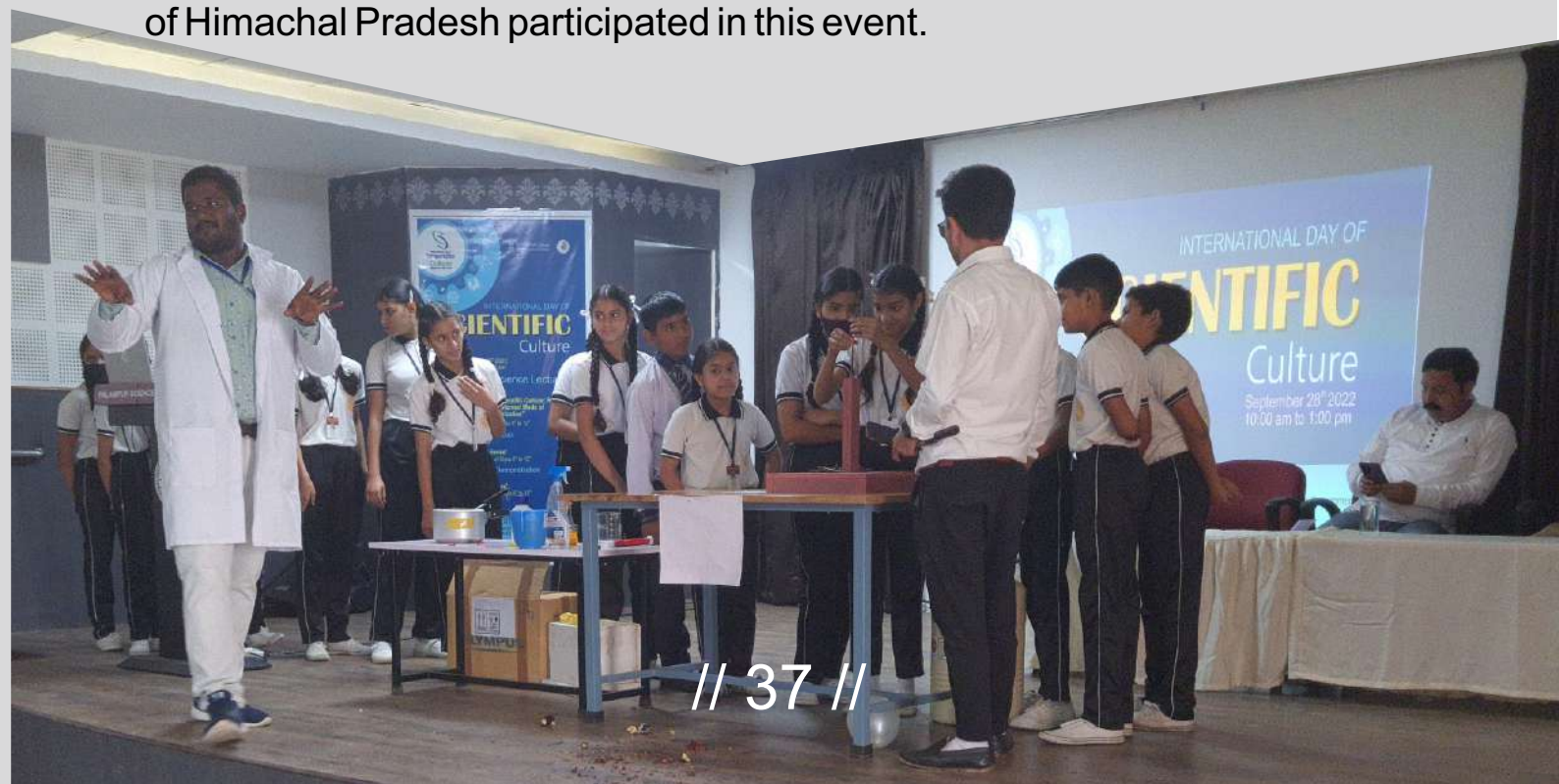
Palampur Science Centre organized a popular talk on "Health, Hygiene & Sanitation Practices" and a guided tour of different galleries and other facilities for the Divyang students of Surya Uday Charitable Trust, Dharamshala, Himachal Pradesh on May 20, 2022. Around 60 students and escorts were benefitted. Palampur Science Centre organized a guided tour of different galleries and other facilities and also arranged a popular talk on environment protection for the Divyang students of Rotary Sewa Ashram, Saliana (The Palampur Rotary Helpage Foundation), Himachal Pradesh on February 23, 2023. Around 47 students and escorts were benefitted. PSC organized 36 Sky Observation Programmes, Public Demonstration Lectures (Science & Miracles) throught out the year.





PSC organized Science Demonstration Lecture at Mount Carmel School, Gaggal, Kangra, Himachal Pradesh on November 30, 2022. Around 1900 students along with school staff attended the programme. Science Orientation Workshop and Farmer Sensitisation Programme on “Environment Friendly Agricultural Practices and Food Safety” were organised during the Youth Festival organised by Maha Tejas Yuva Mandal, Band Vihar, Dyogra, Palampur from January 10, 2023 to January 17, 2023.

The total of 100 persons attended the both programmes. Himachal Pradesh State Level Science Drama Contest was organized on November 25, 2022. The programme was organized in the august presence of Prof. Anita Singh, Dean, College of Basic Sciences, CSK Himachal Pradesh ,Krishi Vishvavidyalaya Palampur. A total of 6 different schools from different parts of Himachal Pradesh participated in this event.



Palampur Science Centre organized a workshop on 'Innovation & Intellectual Property Rights' for School/College Students & Innovators during International Museum Week-2022 on May 19, 2022. Around 58 students and innovators attended the programme. Palampur Science Centre organized an orientation workshop for Robotics and model making in collaboration with Jawahar Navodaya Vidyalaya, Kangra for girl students of JNV Kangra and KV Alhilal, under the Vigyan Jyoti Programme from November 21 to November 24, 2022.

The workshop was well attended by 70 girl students and escorting teachers. Palampur Science Centre in collaboration with Navodaya Vidyalaya Samiti, Chandigarh Region organized Regional Level Science Congress - 2022-23 from December 05, 2022 to December 09, 2022. This event was well attended by 170 students and escorting teachers of 58 different Jawahar Navodaya Vidyalayas of Chandigarh Region. Science Orientation Workshop and Farmer Sensitisation Programme on Environment Friendly Agricultural Practices and Food Safety were organised during Youth Festival organised by Maha Tejas Yuva Mandal, Band Vihar, Dyogra, Palampur from January 10, 2023 to January 17, 2023. The total of 100 persons attended the both programmes.

Palampur Science Centre organized a Workshop on fabrication of Telescope & Pin-Hole Cameras and observation of Partial Solar Eclipse on October 25, 2022. A total no. of 20 visitors attended the programme. Palampur Science Centre organized a special cleanliness campaign from October 20 to October 31, 2022. Under this, two special Cleanliness Drives were held on October 26 and October 31, 2022 respectively. The centre premises, galleries and other facilities were cleaned and sanitized. The weeds were uprooted and disposed while the rodents were shooed away and their burrows were filled with rocks and stones. Himachal Pradesh State Level Science Drama Contest was organized on November 25, 2022. The programme was organized in the august presence of Prof. Anita Singh, Dean, College of Basic Sciences, CSK Himachal Pradesh Krishi Vishvavidyalaya Palampur. A total of 6 different schools from different parts of Himachal Pradesh participated in this event.



Name of the Centre	National Science Centre Delhi	Regional Science City Lucknow	Kurukshetra Panorama & Science Centre, Kurukshetra	Palampur Science Centre, Palampur
Name of Head of Museum/Centre and Designation	Shri N. Ramdas Iyer Director	Shri M. Ansari Project coordinator	Shri Suresh Kumar Project coordinator	Shri Ram Swaroop Project co-ordinator
Full Address	Near Gate No.4 Pragati Maidan, Bhairon Road New Delhi -110001	Aliganj Extension Sector-E, Ekta Vihar Lucknow - 226024	Pehowa Road Kurukshetra - 136118 Haryana	Holta, Mandi-Pathankot NH-20, Palampur, H P-176062
S.T.D.	011	0522	01744	01894
Phone Number of Director/PC	2337-1946	2321804, 2327833	251100	09262599567
EPABX	07428693710 to 17 (8 lines)	2321804	299021	01894- 292139
Telefax E-mail	2337-1263 nscdl01@gmail.com	pcrscl@gmail.com	kpsckkr@gmail.com	srsccpalampur @gmail.com
Website	nscd.gov.in	rscl.nscd.gov.in	kpsc.nscd.gov.in	
Hours of opening	09:30 am to 6:00 pm	9.30 am to 6.00pm	9.30 am to 6.00pm	From 9:30 AM to 6:00 PM during March to September & From 9:00 AM to 5:30 PM during October to February
Closed on	Diwali & Holi	Diwali & Holi	Diwali & Holi	Diwali & Holi
Admission Fee				
i General Public	I) Rs.70/- per head	Rs.40/- per head	Rs. 50/- per head	Rs. 30/- per head
ii Genral Entry (Group more than 25)	ii) Rs.60/- per head	30/- per head	Rs. 40/- per head	Rs. 25/- per head
iii Genral Entry (BPL Card holder)	iii) Rs.10/- per head	Rs.5/- per head	Rs.10/- per head	Rs.5- per head
i Student group (Pvt. Schools)	I) Rs.25/- per head	Rs.15/- per head	Rs10/- per head	Rs15/- per head
ii Student group (Govt. Schools)	ii) Rs.10/- per head	Rs.5/- per head	Rs.5/- per head	Rs.10/- per head

Name of the Centre	National Science Centre Delhi	Regional Science City Lucknow	Kurukshetra Panorama & Science Centre, Kurukshetra	Palampur Science Centre, Palampur
3-D Film Show				
General Public	Rs. 35/- per head	Rs. 30/- per head	Rs. 40/- per head	Not Applicable
ii) General Public (in Groups)	Rs. 30/- per head	Rs. 25/- per head	Rs.30/- per head	
iii) Student Group (Pvt. Schools)	Rs. 25/- per head	Rs. 15/- per head	Rs. 10/- per head	
iv) Student Group (Govt. Schools)	Rs. 20/- per head	Rs. 10/- per head	Rs. 10/- per head	
Science on Sphere				
i) General Public	Rs. 50/- per head	Rs. 30/- per head	Rs. 40/- per head	Not Applicable
ii) General Public (in Groups)	Rs. 50/- per head	Rs. 25/- per head	Rs. 30/- per head	
iii) Student Group (Pvt. Schools)	Rs. 25/- per head	Rs. 15/- per head	Rs. 10/- per head	
iv) Student Group (Govt. Schools)	Rs. 20/- per head	Rs. 10/- per head	Rs. 10/- per head	
Holo Show				
i) General Public	Rs. 40/- per head	----	----	----
ii) General Public (in Groups)	Rs. 20/- per head	----	----	----
iii) Student Group (Pvt. Schools)	Rs. 20/- per head	----	----	----
iv) Student Group (Govt. Schools)	Rs. 20/- per head	----	----	----
Fantasy ride				
i) General Public	Rs. 80/- per head	----	----	----
ii) General Public (in Groups)	Rs. 80/- per head	----	----	----
iii) Student Group (Pvt. Schools)	Rs. 80/- per head	----	----	----
iv) Student Group (Govt. Schools)	Rs. 80/- per head	----	----	----
SDL				
i) General	Rs. 20/- per head	Rs. 20/- per head (Taramandal)	Rs. 10/- per head	Rs. 10/- per head (Taramandal)(SDL)
ii) Student Group (Pvt. Schools)	Rs. 20/- per head	Rs. 10/- per head (SDL)	Rs. 10/- per head	Rs. 10/- per head
iii) Student Group (Govt. Schools)	Rs. 05/- per head	Rs. 10/- per head	Rs. 5/- per head	Rs. 5/- per head

Financial Data 2022-2023

FY		EXPENDITURE*			
2022-2023	UNIT	GIA-GEN	GIA-SALARY	GIA-CCA	
	NSCD	538.95	1401.96	94.33	
	RSCL	178.00	305.89	8.22	
	KPSC	90.35	118.45	3.58	
	PSC	35.46	49.79	12.93	
	TOTAL	842.76	1876.09	119.06	
FY		HEAD	FUND*		
2022-2023	GIA-GEN		175		
	GIA-GEN (SAP)		37000.00		
	GIA-SALARY		1933.8		
	GIA-CCA		119		
	Total		2228.17		
RECEIPTS*					
FY	NSCD	RSCL	KPSC	PSC	TOTAL
2016-17	265.04	126.02	173.70	0.00	564.76
2017-18	328.12	141.33	175.41	0.00	644.86
2018-19	314.42	156.40	193.66	0.00	664.48
2019-20	337.18	146.65	186.75	0.00	670.58
2020-21	200.70	25.75	43.43	0.00	269.88
2021-22	202.78	57.34	128.47	0.00	388.59
2022-23	534.14	162.17	247.87	30.31	974.49
*All figures are in lakhs					

VISITORS

S.No	Visitors	NSCD	RSCL	KPSC	PSC
1.	Number of school groups	2834	1576	1744	587
2.	No.of students in groups	462057	150692	127126	32537
3.	No.of general visitors	397781	232669	502363	83653
4.	No.of outreach visitors	288241	85502	36300	3039
5.	Total no.of visitors	1148079	468863	665789	119229

Note: Graphs showing visitors details and comparative data are enclosed at Annexure - I.

EXISTING GALLERIES

Name of the Centre/ Museums	Name of the gallery	Floor area (sq.m.)	Date of first Inauguration	Date of last major renovation	Number of exhibits
National Science Centre, Delhi	Our Science and Heritage Technology	1135	09.01.1992	21.10.2009	99
	Human Biology	757	09.01.2003	--	55
	Uniqueness of Human Life	204	02.06.2008	--	16
	Prehistoric Life	959	08.08.2004	10.11.2020	42
	Fun Science (including 3D, Spark Theater & Science Show)	1007	09.01.1992	19.11.2020 (3D Theater)	79
	Nuclear Power	677	16.01.2016	--	58
	Information Revolution	987	09.01.1992	March 2009	65
	Water- The Elixir of Life	200	14.12.2010	—	45
	Energy Ball	122	09.01.1992	—	23
	Innovation Space	200	23.01.2014	-	45 kits
	Biotechnology Lab	110	22.04.2016	-	40
	Science on Sphere	110	07.06.2016	—	—
	Communication Saga	200	09.01.2016	-	-
	Reception Area	316	—	17.03.2014	12
	Temp. Exhibition Gallery	496	—	—	--
	Holo Show	74.4	14.11.2018	—	--
	Fantasy Ride	53.6	09.01.2020	—	--
	Uniting India Sadar Patel	558	31.10.2016	—	56

Name of the Centre/ Museums	Name of the gallery	Floor area (sq.m.)	Date of first Inauguration	Date of last major renovation	Number of exhibits
Regional Science City, Lucknow	Fun Science	400	20.05.1995	March, 2005	40
	Fluidics	400	07.09.1989	Sept. 2008	55
	Popular Science	400	07.09.1989	March, 2004	Under Renovation
	Water-Our Life	400	24.12.2012	—	34
	Children Gallery	400	08.06.2001	14.11.2016	37
	Under water Exploration	680	21.09.2007	—	66
	Being Human	410	21.09.2007	—	41
	Biotech. Revolution	207	21.09.2007	—	37
	Aquamobile	130	21.09.2007	2009	01
	Scimax Hall	380	21.09.2007	—	01
	Pre historic life park & Light & Sound Show	4500	15.02.2008	—	33
	Science Park	Open Area	07.09.1989	—	65
	Wonder World of Materials Gallery	400	19.12.2009	—	66
	Innovation Hub	296	04.01.2016	—	—
	Sports & Fitness	373	20.02.2020	—	28
Kurukshetra Panorama Science Centre Kurukshetra	Panorama on Mahabharata	4000	06.03.2001	----	11
	Our Scientific Heritage		06.03.2001	31.03.2013	13
	Our Technological Heritage		06.03.2001	2013	34
	Fun Science		06.03.2001	2015	88
	Science Park		06.03.2001	2016	38
	TV Studio		06.03.2009		1
	3D - Theatre		----	2015	1
	Herbal Garden		06.03.2020	----	1

Name of the Centre/ Museums	Name of the gallery	Floor area (sq.m.)	Date of first Inauguration	Date of last major renovation	Number of exhibits
PSC, Palampur	Science Park	3600	May 14, 2022		30
	Fun Science Gallery	290	May 14, 2022		42
	Untamed Earth Gallery	296	May 14, 2022		30
	Rise of Digital India Gallery	181	May 14, 2022		38

3 NEW GALLERIES / MAJOR RENOVATION

NSCD:

1. The renovated Dinosaur Diorama at NSC, Delhi was inaugurated by Dr. C.M. Nautiyal, Programme Consultant INSA & Former Scientist, Birbal Sahni Institute of Palaeosciences, Lucknow on May 20, 2022.
2. National Science Centre, Delhi developed Palampur Science Centre, the first Science Centre of Himachal Pradesh and was inaugurated by Shri Anurag Thakur, Hon'ble Union Cabinet Minister for I&B and Youth Affairs & Sports, Govt. of India on May 14, 2022.
3. 81 exhibits including gallery exhibits, panels & kits were developed by NSC, Delhi.

RSCL:

1. 29 exhibits including science park exhibits were developed by RSCL.

KPSC

1. 39 exhibits including panel and science park exhibits were developed by KPSC

PSC

4

EXISTING MOBILE SCIENCE EXHIBITS
IN THE CENTRE / MUSEUM

Title of the Unit	Name of the Centre	No. of Exhibits	Year in which unit was Developed	Year of Major Renovation
Vaccine Injecting Hope	NSC, Delhi	20	November 15, 2022	---
Arth Ganga'		18	January 12, 2023	
Understanding Mathematics	RSC, Lucknow	24	2015-16	---
Energy: The Lifeline of Mankind		20	September 2019	---
Energy: Machines in Everyday Life		20	September 2019	---
Fun With Mathematics	KPSC, KKR	24	2010	---
Energy		20	2019	---
Fun Science		16	2019	
	PSC, Palampur			

5

NEW TEMPORARY EXHIBITION

Name of the Centre	Name of the Exhibition /project	No. of Exhibits/Panels	Date of Inauguration
NSCD	1. Nobel Prize Laureates 2022 2. Vaccine Injecting Hope 3. Traditional Medicine 4. The Art of Science 5. Science in Focus	04 20 35 30 25	January 9, 2023 November 15, 2022 April 26, 2022 May 18 to October 15, 2022 May 25 to June 24, 2022
RSCL	1. World of Plastic 2. 'Science of Eclipse	—	May 18, 2022 May 19, 2022
KPSC	1. Temporary Exhibition on Plant Health 2. Panel Exhibition on Solar Eclipse 3. Panel Exhibition on Plastics	20 05 06	May 18, 2022 October 25, 2022 May 18, 2022
PSC, Palampur	—	—	—

6 EXHIBIT DEVELOPMENT

EXHIBIT	NSCD	RSCL	KPSC	PSC
Gallery exhibits	34	05	01	02
Duplicate exhibits	16	04	00	00
Park exhibits	01	20	07	00
MSE exhibits	18	00	00	00
Taramandal	00	00	00	00
Kits/aids	08	00	00	42
Duplicate kits/aids	00	00	00	20
Temporary exhibits	04	00	31	00
Total	81	29	39	64

Note: List of major exhibits and kits developed during the year is given in Annexure-II

7 PLANNING FOR THE YEAR 2023-2024

NSCD

Sl. No.	Name of the Scheme
1	Special facilities for pilgrims of Kedarnath Dham on Kedarnath trek and Kedar valley in the state of Uttarakhand.
2	Setting up of Sub-Regional Science Centre at Almora, Uttarakhand is progressing well. The project is likely to be completed by December 2023.
3	Setting up of Sub-Regional Science Centre at Ambala, Haryana, named as Aryabhatta Vigyan Kendra, Ambala.
4	HIMCOSTE requested NCSM to take up the setting up of an eight mtr. diameter Digital Planetarium at Shimla. The process of architect & contractor selection for Planetarium building is completed. The foundation stone of planetarium was laid at Shimla, Himachal Pradesh on Sept. 7, 2022.
5	Providing help in form of exhibits and facilities for setting up of Science Learning & Creative Centre, Shimla on receiving a request from Himachal Pradesh Council for Science Technology and Environment (HIMCOSTE), Shimla to NCSM.
6	The setting up of a 50-Seater Digital Planetarium by NSC, Delhi, on behalf of NCSM on request by HIMCOSTE.
7	A new gallery on 'Coal' is being developed at NSCD with support & funding from Ministry of Coal, Govt. of India
8	A new gallery on 'Digital India' is being developed at NSCD with support & funding from Ministry of Coal, Govt. of India



RSCL

KPSC

Sl. No.	Name of the Scheme
1	Science Park exhibits for Jawahar Navodaya Vidyalaya, Pabra, Hissar, Haryana project
2	Science Park exhibits for NDMC project
3	Science Park exhibits for Modern School, New Delhi project

PSC

8 MOBILE SCIENCE EXHIBITION PROGRAMMES

EXHIBIT	NSCD	RSCL	KPSC	PSC
No. of exhibition sites	28	19	10	00
No. of exhibition days	74	29	30	00
No. of film shows	150	05	04	00
No. of visitors in exhibition	15905	60157	17400	00
No. of visitors in film shows	13656	2050	1700	00
Distance travelled (in Kms)	930	794	2434	00

9 SCIENCE EDUCATION ACTIVITIES

A. Science Demonstration Lectures (SDL)

Science Demonstration Lectures are conducted for providing an exposure to the teachers on the effectiveness of use of simple experimental demonstrations during the classroom lecture, made out of low cost materials and with hand tools. This method is conducive for interactive learning through the process of raising questions, making observations, logical reasoning and arriving at inferences to postulates of basic scientific principles.

Name of the Centre	Name of the SDL unit	No. of Lectures Held in Centre	No. of Students Attended	No. of Lectures Held outside	No. of Students Attended
NSC Delhi	1. Liquid Nitrogen 2. Kitchen astronomy' 3. Chemical blast' 4. Human Torso 5. Low Temperature Show 6. Air Pressure 7. Static Electricity 8. Size & Distance in Astronomy	1022	38340	43	2480
RSC Lucknow	1. Liquid Nitrogen 2. Unexpected Science 3. Sound 4. Human Torso 5. Fun with Physics 6. Air Pressure 7. Water 8. Miracle vs Science 9. Gravity	464	9354	46	1846
KPSC Kurukshetra	1. Liquid Nitrogen Show 2. Amazing Physics 3. Know Your Body	160	1840	36	3240
PSC Palampur	1. Properties of Matter at Low Temperatur, 2. BubbleShow, 3. Electromagnetism, 4. Mechanical Wonders	347	7647	02	2000

B ENVIRONMENT AWARENESS PROGRAMMES

Name of the Centre	Name of the Programme	Date of the programme	No. of Participants
NSC Delhi	World Environment Day	June 5, 2022	128
	World Ozone Day	September 16, 2022	215
	International Yoga Day	June 21, 2022	320
	Hindi Diwas Pakhwada	September 14 - 30, 2022	76
RSC Lucknow	Earth Day	April 22, 2022	545
	Swachhta Pakhwara	April 16-30,2022	400
	Swachhta Pakhwara	September 16-30, 2022	150
	World Environment Day	June 4 - 5, 2022	150
	Van Mahotsav	July 1-7, 2022	120
KPSC, Kurukshetra	Earth Day	April 22, 2022	100
	World Environment Day	June 05, 2023	50
	World Nature Conservation Day	July 27, 2023	200
PSC, Palampur	World Environment Day	June 5, 2022	58
	World Nature Conservation Day	July 28, 2022	48
	International Tiger Day	July 29, 2022	59
	International Day for the Preservation of Ozone Layer	September 16, 2022	118
	National Science Day	February 28, 2023	65
	World Water Day	March 22, 2023	63

C. SCIENCE FILM SHOW

Name of the Centre	Date/Duration	Title/Theme	No. of Shows	No. of Total Visitors
NSC, Delhi	----	----	----	----
RSC, Lucknow	22 April, 2022	Health & Hygiene	27	3923
	11 May 2022	Science & Technology		
	5 June 2022	Environment		
	18 July 2022	Water Conservation		
	15 August 2022	Swachhta		
	14 September 2022	Environment		
	31 October 2022	National Unity		
	14 November 2022	Science & Technology		
	1 December 2022	AIDS Awareness		
	January 2023	Leprosy Awareness		
	March 2023	Women Empowerment		
KPSC, KKR	August 2023 To January 2023	Delhi Safari	22	1600
PSC, Palampur				

D. POPULAR SCIENCE LECTURES

Name of the Centre	No. of Lectures	No. of Audience
NSC, Delhi	30	8563
RSC, Lucknow	15	2916
KPSC, Kurukshetra	10	1422
PSC, Palampur	16	1353

Note: List is given in Annexure – III

E. TARAMANDAL SHOWS

Taramandal is a portable mini planetarium with an inflatable dome and simple projection equipment providing an opportunity to promote interactive learning of elementary astronomy. It could also serve the purpose of an improvised dark room for conducting scientific experiments requiring dark room facilities.

Name of the Centre	Number of Shows held	Number of Audience
NSC, Delhi	00	00
RSC, Lucknow	63	1314
KPSC, Kurukshetra	228	6857
PSC Palampur	454	8991

F. SKY OBSERVATION, SCIENCE ON SPHERE

Name of the Centre	No. of Programmes held	No. of Participants
NSC, Delhi	27	4320
RSC, Lucknow	48	6620
KPSC, Kurukshetra	36	1090
PSC Palampur	36	561

G. SCIENCE ON SPHERE

Name of the Centre	Number of Shows held	Number of Audience
NSC, Delhi	912	59280
RSC, Lucknow	00	00
KPSC, Kurukshetra	00	00
PSC Palampur	Not Applicable	

H. SCIENCE QUIZZES

Name of the Centre	No. of Quizzes held	No. of Participants	No. of Audience
NSC, Delhi	33	1650	3458
RSC, Lucknow	46	11300	4103
KPSC, Kurukshetra	09	1654	850
PSC Palampur	23	1340	2133

I. FANTASY RIDE

Name of the Centre	Number of Shows held	Number of Audience
NSC, Delhi	1399	9503
RSC, Lucknow	00	00
KPSC, Kurukshetra	00	00
PSC Palampur	Not Applicable	

J. HOLO SHOW

Name of the Centre	Number of Shows held	Number of Audience
NSC, Delhi	1685	58975
RSC, Lucknow	00	00
KPSC, Kurukshetra	00	00
PSC Palampur	Not Applicable	

K. 3D THEATRE SHOW

Name of the Centre	Number of Shows held	Number of Audience
NSC, Delhi	1930	73340
RSC, Lucknow	4203	150208
KPSC, Kurukshetra	786	22661
PSC Palampur	Not Applicable	--

10. VIDEO/COMPUTER SOFTWARE/ MULTIMEDIA SOFTWARE DEVELOPED

NSCD

Sl. No.	Name of the Exhibit/Kit/Multimedia	No.	Gallery / Project	New/ Duplicate/ Renovated
1	Introduction & Works: National Institute of Plant Genome Research	1	NIPGR, Chamba	New
2	Elements of Life	1	NIPGR, Chamba	Update
3	Mapping Human Genome	1	NIPGR, Chamba	Update
4	Water Purification	1	NIPGR, Chamba	Update
5	NCSM: Communicating Science to Empower People – Virtual Flipbook	1	Amrit Mahotsav, JLN Stadium	New
6	Ganga: The Mantra for Salvation	1	Earth Ganga, Varanasi	Update
7	Earth in a Minute- Switch Operated Videos	1	Climate Change Gallery, SRSC Almora	New
8	Climate Emergency- Multimedia	1	Climate Change Gallery, SRSC Almora	New
9	Group HMD Virtual Reality Hot Air Balloon	1	Digital India Gallery	New
10	C-DOT (RAX a day)	1	Digital India Gallery	New
11	Walkthrough videos	5	Kedarnath Project	New
12	Introduction Movie	1	Vaccine Hope for all	New
13	Dinosaur 3D animated clips	1	Prehistoric Gallery	New
14	Sphere Projection	1	Coal Gallery	New
15	NSCD Corporate Movies	1	Reception Area	Updated

RSCL

KPSC

Sl. No.	Name of the Exhibit/Kit/Multimedia	No.	Gallery / Project	New/ Duplicate/ Renovated
1	Science Demonstration Kits on Rotational Dynamics	07	Gallery	New
2	Science Demonstration Kits 1. Weightlessness 2. Work forever	02	Gallery	New

PSC, Palampur

11. CREATIVE ABILITY

A. Vacation Hobby Camps

Name of the Centre	Number of Camps held	Number of Projects Completed	Number of Participants
NSC, Delhi	10	575	115
RSC, Lucknow	21	43	80
KPSC, Kurukshetra	02	246	58
PSC, Palampur	Not Applicable		

B SCIENCE FAIR

Name of the Centre	Date & Duration	Name of the Science Fair	No. of Schools Participated	No. of Students /participants	No. of Projects
NSC, Delhi				227	66
RSC, Lucknow	Not Applicable				
KPSC, Kurukshetra	Not Applicable				
KPSC, Kurukshetra	Not Applicable				

C. DATE, DURATION & STREAMS OF VACATION HOBBY CAMPS

Name & Venue of programme	Date/Duration	Streams/Subjects	No. of Participants	No. of projects
NSC, Delhi	23rd to 27th May, 2022 30th May to 3rd June, 2022	Scientific Toy Making (senior) Scientific Toy Making (Junior) Wonders of Electronics Astro Lab. Biotechnology	115	575
Regional Science City, Lucknow	23rd to 27th May, 2022 30th May to 3rd June, 2022 6-10 June 2022	Creative Kids Art Science Sparkle Astro-Lab Exploring Nature Scientific Toy Making Robotics	80	43
KPSC, Kurukshetra	June 20, 2022 to June 24, 2022	Scientific Toy Making and Exploring Nature	58	246
PSC, Palampur		Not Applicable		

12. CONFERENCES, TRAINING / WORKSHOPS & OLYMPIADS

A. Teachers' Training Programmes (TTP)

Teachers' Training Programme envisages providing an opportunity and exposure to school teachers in handling of simple tools, raw materials and also introduces techniques as well as ideas for developing low cost teaching-aids with ultimate goal of 'build your own laboratory'. Specially designed TTP was organised for the school teachers of various schools of Delhi and adjoining areas at National Science Centre, Delhi. Regional Science City Lucknow, Palampur science Centre, Palampur and KPSC, Kurukshetra also conducted TTP for the teachers.

Venue of Programme	Number of programme	No. of Teachers Trained	No. of Teaching Aids /Kits Developed
NSC, Delhi	08	456	176
Regional Science City Lucknow	03	109	255
KPSC, Kurukshetra	00	00	00
KPSC, Kurukshetra	01	50	42

B. Robotics boot camps/Computer Training Programmes

Name of the Centre	Number of programme	Duration	No. of Participants	Subjects
NSC, Delhi	00	00	00	00
Regional Science City Lucknow	--	--	--	--
KPSC Kurukshetra	--	--	--	--
KPSC Kurukshetra	Not Applicable			

C. CONFERENCES /WORKSHOPS & OLYMPIADS

National Science Centre, Delhi

A workshop on 'Green Chemistry for Sustainable Tomorrow' was organised for students on April 22, 2022. Demonstration of experiments on formation of silver nanoparticle using tea extract, use of liquid carbon dioxide in filtration and making of plastic using corn starch etc. were shown to students. 41 students with 10 teachers actively participated in this workshop.

A workshop on 'Elements of Photography' was organised on May 30, 2022 for students. In this workshop, students visualized the science through photographs. From understanding the basics of photography, exploring the nuances of nature/wildlife photography, students got the opportunity to click photographs in the NSC campus, and received live feedback from the workshop facilitator. The workshop also included learning the art of macro photography (using a macro lens). 70 students from various schools participated in the workshop.

A workshop on 'SCITOON and Comic Making' was organised on December 7, 2022 for school students. During the workshop basic training of making a comic book and telling a story using cartoons was provided to students. The students narrated and drew their stories of digital and social media scientific news which they come across in their life time in the form comic booklet. Large number students participated in the workshop.

Interactive workshops on 'Development & use of Low Cost Teaching Aid' was organised for in-service teachers on May 19, 2022, August 24, 2022, September 16, 2022, February 28, 2023 & March 16, 2023. The participating teachers were trained in development of teaching aids on Inertia, Air Pressure and Energy. Around 890 pre-service teachers from various DIETs & B.Ed. Colleges of Delhi & NCR participated in the workshop.

RSC, Lucknow

The Centre organized 04 interactive one-day Teachers Training Programme for Pre / In - service teachers on 18th May 2022, 24th to 26th August 2022, 25th November 2022 and 22nd March, 2022. Teachers from different schools/ colleges participated in this Teachers Training Programme. Teachers were given Science Demonstrations on Interesting Physics, Sound, Liquid Nitrogen and Fantastic Chemistry & Biology. They were given a guided gallery visit and other facilities of the Centre. An interactive session on How to develop curriculum based educational kits was conducted for the teachers. Later on they learnt about to make good Teaching Aids and Models viz. Simple Camera, Periscope, Value of Pie, etc. 93 teachers participated in this programme and learned on better teaching skills in various branches of science with the objective of how the conventional classroom teaching could be made interactive & interesting by using this non-formal modes such as teaching aids & models. They developed 80 teaching aids.

Regional Science City, Lucknow organized a special Yoga Session for boosting Immunity on 21st June 2022 since 8:00 AM onwards.

The Yoga training was conducted by Ms. Heena Hidayet Khan, Yoga Instructor, Government Ayurvedic Hospital Health & Yoga Wellness Centre, Lucknow. She gave some tips to get warm-up which must be performed before starting the Yogasans. These included some exercises for neck, shoulders, hands, abdomen, back, backbone, legs and especially for knees. In addition to this a quiz programme on 'Yoga & Health' was also organized for general visitors who visited the centre in which about 70 people including staff members of RSCL took part.

KPSC, Kurukshetra

Kurukshetra Panorama & Science Centre organized Teachers Training Programme for In - service teachers on April 29th, 2022 and 10th June, 2022. They were given a guided interactive session on how to develop curriculum based educational kits was conducted for the teachers. Later on they learnt about to make good Teaching Aids and Models. Participated teachers in this programme, learned on better teaching skills in various branches of science with the objective of how the conventional classroom teaching could be made interactive & interesting by using this non-formal modes such as teaching aids & models.

The Centre organized Workshop on Hindi and 04 Official Language. Implementation Committee Meetings were organised by KPSC, Kurukshetra on June 10, 2022, September 06, 2022, December 19, 2022 and March 13, 2023

International Day of Yoga was organised on June 21, 2022 with the help of staff members and school students. Yoga practices and Popular Science Lecture were main programmes.

PSC, Palampur

Palampur Science Centre organized a workshop on 'Innovation & Intellectual Property Rights' for School/College students and innovators during International Museum Week-2022 on May 19, 2022. Around 58 students and innovators attended the programme.

Palampur Science Centre organized an orientation workshop for Robotics and model making in collaboration with Jawahar Navodaya Vidyalaya, Kangra for girl students of JNV Kangra and KV Alhilal, under the Vigyan Jyoti Programme from November 21 to November 24, 2022. The workshop was well attended by 70 girl students and escorting teachers.

Palampur Science Centre in collaboration with Navodaya Vidyalaya Samiti, Chandigarh Region organized Regional Level Science Congress - 2022-23 during December 05, 2022 to December 09, 2022. This event was well attended by 170 students and escorting teachers of 58 different Jawahar Navodaya Vidyalayas of Chandigarh Region.

Science Orientation Workshop and Farmer Sensitisation Programme on Environment Friendly Agricultural Practices and Food Safety were organised during Youth Festival organised by Maha Tejas Yuva Mandal, Band Vihar, Dyogra, Palampur from January 10 to January 17, 2023.

13. COMMUNITY PROGRAMMES

NSC, Delhi

A special visit for a group of cancer patients, mostly children was organized on December 13, 2022. The visit was made possible with the help of an NGO, St. Jude India Child Care Centres, engaged in spreading awareness on the causes of cancer disease, prevention & treatment. They were given exposure about the exhibits of the galleries in general with special emphasis on 'Human Biology' gallery through a guided visit. The children enjoyed watching 'Science on Sphere' show and demonstration lecture on 'Science verses Miracles'.

'Night at the Museum' Programme was organised on May 20, 2022 from 6.30pm to 10.00pm. The visitors were invited to experience the gallery & facilities of the centre during night time. The guided visit to the galleries of the centre, Science Show, Science on Sphere Show, Holo Show and Fantasy Ride show was organised for pre-registered visitors. Dinner was also served to the visitors at cafeteria. Total 36 visitors participated in the event and enjoyed galleries and shows.

NSC, Delhi organized Preventive Medical Health Check-Up Camp on November 23, 2022 with support from Medeor Hospital (CGHS recognized), New Delhi. The staff including security and housekeeping staff were examined by the reputed practicing doctors. The medical tests like blood test, blood pressure, diabetes, BMI, ECG were done for about 80 no. of persons. Medical tests results were also given to them.

Free consultation was provided to the staff on the basis of medical test results. NSC, Delhi in collaboration of the World Animal Protection group displayed exhibits on 'Eat Better End Superbugs' depicting intensive farming and overuse of antibiotics which impact animals, humans and our environment. It gives rise to superbugs causing Anti-Microbial Resistance (AMR). The exhibits were on display since March 16, 2023 and around 8000 people visited the exhibits till March 31, 2023.

Nukkad Nataks & Puppet Shows were organized at different location in Delhi as part of promotional scheme of 'Vaccine Injecting Hope' exhibition to acquaint people about the importance of vaccination in November 2022, December 2022, January 2023 & February 2023.

RSC, Lucknow

The Centre organised 02 Swachh Bharat Pakhwara (Cleanliness Drive Fortnight) from 16th to 30th April, 2022 and 16th to 30th September, 2022 with the help of staff members and school students. Cleanliness Pledge was taken by students, teachers & officials of RSC Lucknow. Besides the pakhwara, every month 2 outdoor cleanliness campaign programme, were organized.

The centre organized Yoga Practices and training for the staff members and general public on the occasion of International Yoga Day.

KPSC, Kurukshetra

Swachh Bharat Pakhwara (Cleanliness Drive Fortnight) was organised from September 16 to 30, 2022 with the help of staff members and school students. Cleanliness Pledge, Cleanliness Drive, Poster Making Contests were main programmes. International Day of Yoga was organised on June 21, 2022 with the help of staff members and school students. Yoga practices and Popular Science Lecture were main programmes.

PSC, Palampur

Workshop on Fabrication of Telescope & Pin-Hole Cameras and observation of Partial Solar Eclipse were organized on October 25, 2022. Around 20 visitors attended the programme. Palampur Science Centre organized a special cleanliness campaign from October 20 to October 31, 2022. Under this, 2 special cleanliness drives were held on October 26 and October 31, 2022, respectively. The centre premises, galleries and other facilities were cleaned and sanitized. The weeds were uprooted and disposed while the rodents were shooed away and their burrows were filled with rocks and stones. Himachal Pradesh State Level Science Drama Contest was organized on November 25, 2022. The programme was organized in the august presence of Prof. Anita Singh, Dean, College of Basic Sciences, CSK Himachal Pradesh Krishi Vishwavidyalaya Palampur. A total of 6 different schools from different parts of Himachal Pradesh participated in this event.

14. SCIENCE DRAMA/ PUPPETRY/ OTHER FORMS OF PERFORMING ART



Name of the Centre	Venue of programme	Description of Media	No. of teams Participated	No. of players Performed	No. of Audience
NSC, Delhi	NSCD	1. Northern India Science Drama Contest	13	13	308
		2. Puppet Show on "Climate Changes" & "Vaccines Injecting Hope"	05	05	700
Regional Science City, Lucknow	RSCL	City Level Science Drama	11	11	250
KPSC, Kurukshetra	KPSC	----			
PSC, Palampur	PSC	Himchal Pradesh State Level Science Drama Contest	06	06	370



15. COMMEMORATIVE EVENTS

Name of the Centre	Name of the Events	Number of Programmes	Number of Participants
NSC, Delhi	World Health Day	1	67
	National Technology Day	4	107
	World Population Day	4	73
	World Ozone Day	2	85
	National Unity Day	4	23
	National Vaccine Day	1	150
	Azadi ka Amrit Mahotsav	3	630
	Earth Day	1	51
	International Museum Day	8	1600
	World Environment day	2	100
	International Day of Yoga	2	425
	National Science Day	1	300
	Celebration of 75 Years of India's Independence	4	1065
RSC, Lucknow	Commemorating of 75 Years of Independence	79	9487
	World Health Day		
	Earth Day celebration		
	National Technology Day Celebration		
	World No Tobacco Day		
	World Environment Day Celebration		
	International Day of Yoga		
	GROUND WATER WEEK CELEBRATION		
	Van Mahotsav		
	Kargil Vijay Diwas celebration		
	NPCIL-DAE iconic Week Celebration		
	Quit India Movement – 80th Anniversary		
	Independence Day Celebration		
	National Sports Day		
	33rd Anniversary Celebration		
	International Day of Scientific Culture		
	Vigilance Awareness Week celebration		
	National Unity Day celebration		
	World Science Day		
	World AIDS Day		
	74th Republic Day Celebration		
	World Leprosy Day		

Name of the Centre	Name of the Events	Number of Programmes	Number of Participants
RSC, Lucknow	International Day of Women & Girls in Science	79	9487
	National Science Day Celebration		
	International Pi Day Celebration		
	International Women's Day Celebration		
	World Water Day Celebration		
KPSC, Kurukshetra	Earth Day on April	03	100
	International Museum Day	02	150
	World Environment Day	02	50
	International Day of Yoga	02	100
	World Nature Conservation Day	03	200
	International Day of Scientific Culture	01	100
	International Science Centre and Science Museum Day	03	250
	National Science Day	03	200
PSC, Palampur	International Museum Week	04	162
	World Environment Day	03	58
	World Food Safety Day	01	47
	International Day of Yoga	02	10
	International Asteroid Day	01	52
	International Moon Day	02	56
	World Nature Conservation Day	02	48
	International Tiger Day	02	59
	Azadi ka Amrit Mahotsav	03	132
	Hindi Pakhwada	04	08
	International Day for The Preservation of Ozone Layer	03	118
	International Day of Scientific Culture	03	67
	National Unity Day	02	125
	World Science Day for Peace & Development	02	53
	National Mathematics Day	02	85
	National Hindi Day	02	61
	National Youth Day	02	36
	National Science Day	02	65
	World Water Day	03	63
	World Tuberculosis Day	02	50

16. TEMPORARY EXHIBITIONS

Name of the Centre	Title of the Exhibits	Date/Duration	No.of Visuals/ Panels	No.of Working Animated Exhibits
NSC, Delhi	Nobel Prize Laureates 2022 Vaccine Injecting Hope Traditional Medicine' The Art of Science'	January 9, 2023	04	00
		November 15,2022	20	05
		April 26, 2022	35	01
		May 18 to October 15, 2022	30	00
RSC, Lucknow	World of Plastic Science of Eclipse	18 May 2022	—	--
		19 May 2022	--	--
KPSC, Kurukshetra	Plant Health Solar Eclipse Plastics	18 May 2022	20	01
		October 25, 2022	05	
		May 18, 2022	06	
PSC, Palampur	Rise of Digital India Exhibition			

17. COLLABORATIVE PROGRAMMES

NSC, Delhi

Sl. No.	Name of Collaborative Agency	Programme	Date of programme
1.	Hindu College Delhi University	Workshop on Green Chemistry	22 April 2022
2.	Mani Aerospace & Drone Club	Workshop on Drone making	10 July 2022
3.	Museum of Illusion	Educators meet of DPSG	19 May 2022
4.	Learning Link Foundation	Basics of Website	27 to 29 June 2022
5.	Mani Aerospace & Drone Club	Workshop on Drone making	10 July 2022
6.	Nuclear Power Corporation Of India Limited	Atom for Peace	24 August 2022
7.	Bal Bhawan Group of School & Conducted Educators	Educators meet	20 September 2022
8.	Terre-X Society Ram Lal Anand College Delhi	Earth Science Week	13 to 15 October 2022
9.	Medeor Hospital	Health Care Checkup	23 November 2022
10.	Earth Watch Institute	Experiential Learning Programme on environmental Science	21 December 2022
11.	Nehru Planetarium, SPACE Foundation & ASI	Astro Night Tourism Event	6 to 8 January 2023 5 to 6 February 2023 5 to 6 March 2023
12.	Agastya International Foundation	Anveshana-Science & Engineering Fair	9 to 10 February 2023
13.	Nehru Planetarium	Solar System Virtual Walk	27 February 2023

RSC Lucknow

Sl. No.	Name of Collaborative Agency	Programme	Date of programme
1.	Ministry of Earth Sciences	Earth Day Celebration	21–22 March 2022
2.	Ground Water Deptt, Up Govt Lucknow	Ground Water Week Celebration	16–22 July 2022
3.	NPCIL-DAE	NPCIL-DAE Iconic Week Celebration	22-28 August 2022

KPSC Kurukshetra

Sl. No.	Name of Collaborative Agency	Programme	Date of programme
1.	Nuclear Power Corporation of India Ltd., Department of Atomic Energy, Govt. of India	NPCIL-DAE Iconic Week	August 22 to 28, 2022
2.	Indian National Trust for Art and Cultural Heritage (INTACH)	" Khana Khazana : My Food Heritage" Poster Making & Write-up Contest	February 6, 2023

PSC, Palampur

Sl. No.	Name of Collaborative Agency	Programme	Date of programme
1.	Divyang students of Surya Uday Charitable Trust, Dharamshala, Kangra	Health, Hygiene & Sanitation Practices	May 20, 2022
2.	Divyang student of Rotary Sewa Ashram, Saliana (The Palampur Rotary Helpage Foundation)	Palampur Science Centre organized a guided tour of different galleries and other facilities and also arranged a Popular talk on environment protection.	February 23, 2023
3.	Department of Atomic Energy and Nuclear Power Corporation of India	DAE-NPCIL Iconic Week Celebration	August 22 & August 26, 2022
4.	Jawahar Navodaya Vidyalaya, Kangra	Orientation workshop for robotics and model making for the girl students of JNV Kangra and KV Alhilal, Under the Vigyan Jyoti Programme	21 to 24 November 2022
5.	Navodaya Vidyalaya Samiti, Chandigarh Region	Organized Regional Level Science Congress-2022-23	05 to 09 December 2023
6.	Maha Tejas Yuva Mandal, Band Vihar, Dyogra, Palampur	Science Orientation Workshop and Farmer Sensitisation Programme on Environment Friendly Agricultural Practices and Food Safety	10 to 17 January 2023

18. LIBRARY & INFORMATION

Name of The Centre	Item	Total holding as on 31 st March Previous year	No. Acquired during current year	Net holding as on 31 st March of current year
NSC, Delhi	Books	–	–	--
	Journals	–	–	–
	Audio /Visual (CD-ROM /DVD/Blue-Ray etc.)	--	--	--
	Audio Disc	--	--	--
	Video Disc	--	--	--
	Misc. Disc	--	--	--
RSC, Lucknow	Books	--	--	--
	Journals	--	--	--
	Audio Disc	--	--	--
	Video Disc	--	--	--
	Misc. Disc	--	--	--
KPSC, Kurukshetra	Books	1222	–	1222
	Video Cds	257	--	257
PSC, Palampur	Books	Not Applicable		
	Video Cds			

19. PUBLICATIONS OF THE MUSEUM/CENTRE

LIST OF PUBLICATIONS FROM THE MUSEUM/CENTRE

Name of The Centre	Name of the Publication	Process	Number Printed	Expenditure Incurred (Rs.)
NSC, Delhi	E –Sankshepika (online hindi quarterly newsletter)	0	0	0
RSC, Lucknow	0	0	0	0
KPSC, Kurukshetra	Summer Vacation Hobby Booklets	0	60	3800
PSC, Palampur	Not Applicable			

20 CONSTRUCTION

NSC, Delhi

S. No.	Name of the Work	Date of start	Date of completion	Awarded Cost (in Rs.)	Actual work done Rs.
1.	Repairing of damaged boundary wall and development of more parking space in the building premises of National Science Centre, Delhi	27.04.2022	25.08.2022	12,46,643/-	12,07,147/-
2.	Terrace water proofing at 2nd & 3rd floor and associated civil works at National Science Centre, Delhi.	30.06.2022	26.10.2022	6,16,571/-	6,16,313/-
3.	Providing and fixing of folding cum sliding partitions inside conference room at the ground floor of National Science Centre, Delhi.	16.08.2022	14.11.2022	10,95,045/-	11,08,294/-
4.	Construction of Tensile Membrane Fabric Shed with Tubular Structure for visitors holding area in front of ticket room at National Science Centre, Delhi.	03.10.2022	30.12.2022	8,14,965/-	7,67,645/-
5.	Providing and fixing false ceiling in the proposed Coal Gallery and adjacent areas at 1st floor of National Science Centre, Delhi	07.11.2022	14.04.2023	14,62,022/-	15,14,024/-
6.	Up-gradation of ground floor toilet and drinking water areas at National Science Centre, Delhi.	16.01.2022	26.04.2022	9,96,140/-	9,83,833/-
7.	Providing Garden Upkeep and Maintenance Services at National Science Centre, Delhi	01.12.2022	Work in progress	7,19,257/-	Work in progress
8.	Providing and Laying Vinyl/ PVC flooring in the Coal Mine Gallery and Digital Gallery at 1st floor of National Science Centre, Delhi	08.02.2023	Work in progress	9,04,775/-	Work in progress
9.	Annual Maintenance Contract for repair and maintenance of sanitary, plumbing and other civil works for (i) National Science Centre building situated at Pragati maidan, New Delhi and (ii) Staff quarters of NSCD situated at Kaushambi and Indirapuram, Gzb	07.03.2023	Work in progress	9,31,120/-	Work in progress

RSC, Lucknow

S. No.	Name of the Work	Date of start	Date of completion	Awarded Cost (in Rs.)	Actual work done Rs.
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KPSC, Kurukshetra

S. No.	Name of the Work	Date of start	Date of completion	Awarded Cost (in Rs.)	Actual work done Rs.
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PSC, Palampur

S. No.	Name of the Work	Date of start	Date of completion	Awarded Cost (in Rs.)	Actual work done Rs.
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21 PROCUREMENT OF EQUIPMENT (Under PI-5(iv), Costing Rs. 5000/-or more)

NSC, Delhi

Sl.No	Name of the Equipment	Date of Procurement	Cost in Rupees (including GST)

RSC, Lucknow

Sl.No	Name of the Equipment	Date of Procurement	Cost in Rupees (including GST)

KPSC, Kurukshetra

Sl.No	Name of the Equipment	Date of Procurement	Cost in Rupees (including GST)
1.	Submersible pump 2hp	26-9-2022	22352-00
2.	CCTV Camera (2nos.)	28-9-2022	23907-00
3.	Aadhar based bio-metric (attendance m/c) 1no.	9-11-2022	14500-00
4.	Printer, color ink-tank L805	11-11-2022	20500-00
5.	Bench wise 4no. (4nos.)	01-02-2023	9960-00
6.	Tabs mix	02-02-2023	9570-00
7.	Welding M/C	20-03-2023	20178-00
8.	Machine 9dree, angle, crinder, headgnn) 4nos	24-03-2023	18560-00

PSC, Palampur

Sl.No	Name of the Equipment	Date of Procurement	Cost in Rupees (including GST)

22. PERSONNEL

A. NEW APPOINTMENT (REGULAR/DEPUTATION/ADHOC)

Name of the Centre	S.No	Name of Personnel	Designation	Date of Joining
NSC, Delhi	1.	Shri C. Venlal Chhanhima	Curator 'B'	18-04-2022
	2.	Shri Sourav Sharma	Office Assistant, Gd.-III	14-11-2022
	3.	Shri Aman Kumar Verma	Office Assistant, Gd.-III	23-05-2022
RSC, Lucknow	-- Nil --			
KPSC, KKR	1.	Shri Aman Kumar Verma	Office Assistant, Gd.-III	26.05.2022
PSC, Palampur	-- Nil --			

B. PROMOTION

Name of the Centre	S. No	Full Name of Personnel	Designation prior to Promotion	Designation after Promotion	Effective date of promotion
NSC Delhi	1.	Smt. Parul Bisht	Office Assistant, Gr.-III	Office Assistant, Gr.-II	12-08-2022
	2.	Sh. Kanhaiya Lal	Technician 'F' (Fitter)	Technician 'G' (Fitter)	10-11-2022
	3.	Sh. Anil Kumar	Technician 'F' (Carpenter)	Technician 'G' (Carpenter)	23-02-2023
	4.	Sh. Surender Kumar	Technician 'F' (Carpenter)	Technician 'G' (Carpenter)	23-02-2023
	5.	Sh. Shyamveer	Technician 'E' (Electronics)	Technician 'F' (Electronics)	06-03-2023
	6.	Sh. Divya Tawra	Curator 'B'	Curator 'C'	28-03-2023
	7.	Smt. Bharti	Technical Officer 'C'	Technical Officer 'D'	22-03-2023
RSC, Lucknow	1.	Shri M. Ansari	Curator "D"	Curator "E"	28.03.2023
	2.	Shri Vikas	Education Officer "A"	Education Officer "B"	23.02.2023
	3.	Shri Khursheed Ahmed	Technical Officer "A"	Technical Officer "B"	23-02-2023
	4.	Shri Anil Kumar	Technician 'F' (Carpenter)	Technician 'G' (Carpenter)	23-02-2023
	5.	Shri Shivendra Pratap Singh	Technician "B" (Fitter)	Technician "C" (Fitter)	23.02.2023
KPSC, KKR	Nil				
PSC, Palampur	Nil				

C. Transfers

Name of the Centre	Name of Personnel	Designation	Transferred From To		Date of Joining
NSC, Delhi	Sh. Moinuddin Ansari	Curator 'D'	NSCD	RSCL	26-04-2022
	Sh. S.D. Sharma	Dy. CoA (Fin. & A/CS)	NSCD	BITM, Kolkata	01-07-2022
	Sh. K.R. Pushpanandan	Technical Officer 'D'	NSC, Delhi	RSC, Guwahati	15-07-2022
	Sh. D. Rama Sarma	Director	NSC, Delhi	NCSM, Kolkata	16-08-2022
	Sh. Adarsh Malhotra	Section Officer	NSC, Delhi	VITM, Bangalore	30-09-2022
RSC, Lucknow	Dr. Raj Mehrotra	Project Coordinator	RSCL	NSC, Delhi	29.04.2022
	Sh. Moinuddin Ansari	Curator 'D'	NSCD	RSC, Lucknow	27-04-2022
KPSC KKR	Sh K. S. Nehru	Curator D	KPSC, Kurukshetra	RSC, Tirupati	30.06.2022
	Sh Suresh Kumar	Curator D	RSC, Guwahati	KPSC, Kurukshetra	30.06.2022
PSC, Palampur	Sh. Chandra Sekhar Prasad	Education Officer-A	VITM, Bangalore	PSC, Palampur	
	Sh. Abhijit Mahto	Technical Assistant-B	PSC, Palampur	SRSC, Almora	18-04-2022

D. Retirement/ Repatriation/Resignation

S. No	Name of Personnel	Designation	Name of Centre	Date of Retirement/ release	Remarks mention retirement/ repatriation
1.	Sh. Anil Kumar Verma	Technician 'F'	RSC, Lucknow	31-07-2022	Retirement
2.	Sh. Ved Prakash	Technician 'G'	NSC, Delhi	31-07-2022	Retirement
3.	Sh. Mangli Tigga	Section Officer	NSC, Delhi	31-08-2022	Retirement
4.	Sh. K.S. Negi	Technician 'G'	NSC, Delhi	30-11-2022	Retirement
5.	Sh. Mata Prasad	Technician 'G'	RSC, Lucknow	28-02-2023	Retirement

E. Foreign Deputations

1.	NSC, Delhi	– NIL –
2.	RSC, Lucknow	
3.	KPSC, Kukshetra	
4.	PSC, Palampur	

23. Distinguished visitors

NSC Delhi

S. No	Name of Personnel	Designation/Organization
1.	Shri. R.K Mathur	Lieutenant Governor of Union Territory Ladakh
2.	Dr. V Shivadasan	Member of Parliament, Kerala Rajya Sabha
3.	Shri. Saurabh Bhagat	IAS, Commissioner Secretary of Govt. Science and Technology department Jammu & Kashmir
4.	Padmashri Dr. Balram Bhargav	President NAST and Ex-Director General ICMR, New Delhi
5.	Dr. Debasisa Mohanty	Director National Institute of Immunology, New Delhi
6.	Shri Arjun Ram Meghwal	Hon'ble Minister of State for Culture and Parliamentary Affairs, Govt. of India
7.	His Excellency Mr. Alex Ellis	High Commissioner, British High Commission in India
8.	Mr. Scott McDonald	Chief Executive, British Council
9.	Sir Ian Blatchford	Executive Director, Science Museum Group, London
10.	Shri. Shammi Narang	Emminent Voice Over artist & former news anchor
11.	Smt. Sushma Seth	Emminent Theatre TV & film Artist

KPSC, Kurukshetra

S. No	Name of Personnel	Designation/Organization
1.	Shankar P Sharma	Ambassador, Ambassey of Nepal
2.	Athros Tursunov	Head of International Relations, Namangon Institite of Engineering & Technology
3.	Suresh Bhardwaj	Urban Development Minister, Himachal Pradesh

RSC, Lucknow

S. No	Name of Personnel	Designation/Organization
1.	Shri Ajay Kumar Sharma	Member Secretary, UP Pollution Control Board, Lucknow
2.	Dr. Pankaj Mathur	Department of Mathematics & Astronomy, Lucknow University.
3.	Dr. Neeraj Bora	Member of Legislative Assembly. Lucknow
4.	Prof. Mukund Sharma	Scientist 'G', BSIP, Lucknow
5.	Shri Ramesh Kumar Bharati	Superintendent of Police, Vigilance Department Uttar Pradesh
6.	Dr. Nishchay Kesari,	Chief Medical Officer, King George Medical University, Lucknow
7.	Dr. Himanshu Reddy	Medical Superintendent King George Medical University Lucknow
8.	Dr. Manvendra Tripathi	Senior Fellow, National Academy of Sciences India local chapter Lucknow
9.	Prof. Ramesh Sharma	Former Head Department of Biochemistry and Dean North Eastern Hill University Shillong
10.	Prof. Veena Tandon	Padamshree awardee, Department of Biochemistry North Eastern Hill University Shillong

PSC, Palampur

S. No	Name of Personnel	Designation/Organization
1.	Shri Anurag Thakur	Hon'ble Union Cabinet Minister for Information & Broadcasting and Youth Affairs & Sports, Government of India
2.	Shri Arjun Ram Meghwal	Hon'ble Minister of State for Culture, Government of India
3.	Smt. Kanimozhi Karunanidhi	Member of Parliament, Chairperson – Standing Committee on Rural Development and Panchayati Raj
4.	Shri Kishan Kapoor,	Hon'ble Member of Parliament (Kangra LS)
5.	Shri Ashish Butail	Hon'ble Member of Legislative Assembly, Palampur
6.	Smt. Poonam Bali	Mayor, Palampur Municipal Corporation
7.	Ms. Lily Pandeya	Joint Secretary, Ministry of Culture, Government of India
8.	Shri A. D. Chaudhury	Director General, National Council of Science Museums
9.	Shri D. Rama Sarma	Director, National Science Centre, Delhi
10.	Shri Abhishek Narang	Deputy Secretary, Ministry of Culture, Government of India

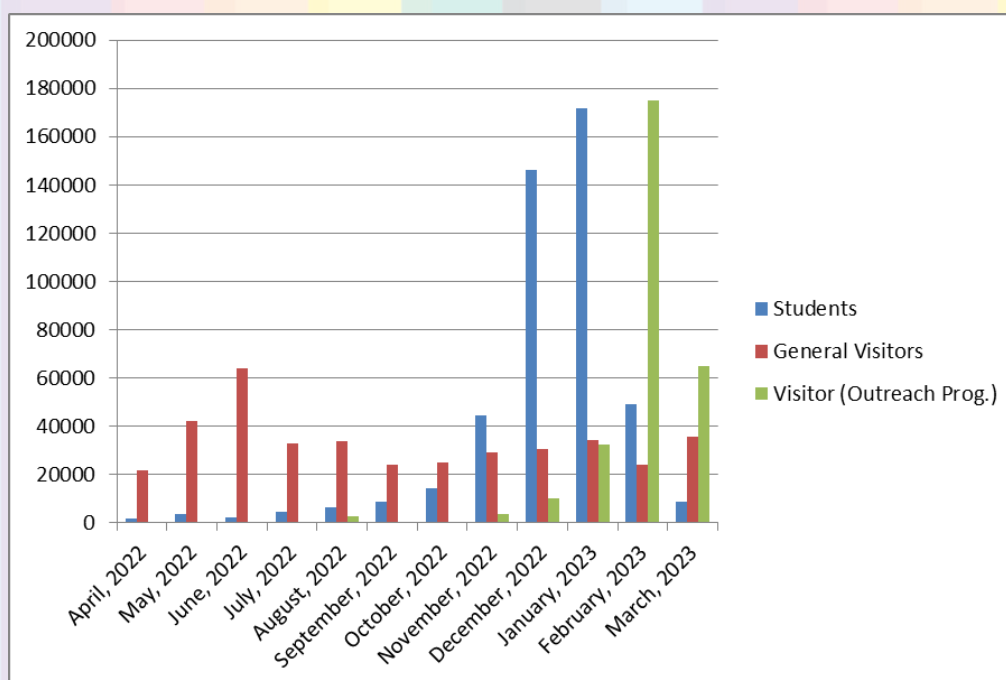
S. No	Name of Personnel	Designation/Organization
11.	Shri A.K. Dhamija	Sr. Executive Engineer & Chairman of Public Awareness Committee, NPCIL
12.	Er. Mohit Sharma	Principal Scientist, CSIR-IHBT
13.	Dr. Nipun Jindal (IAS)	Deputy Commissioner, Kangra
14.	Dr. Amir Guleria (HAS)	Sub Divisional Magistrate, Palampur
15.	Sh. R.K. Verma	Deputy Commissioner, Chandigarh Region, Navodaya Vidyalaya Samiti
16.	Dr. Upendra Sharma	Sr. Scientist, CSIR-IHBT
17.	Dr. Aprana Maitra Pati	Chief Scientist & Head Planning Project Monitoring and Evaluation unit, CSIR-IHBT
18.	Prof. Harinder K. Chaudhary	Vice-Chancellor, CSK H.P.Agriculture Univeristy
19.	Dr. Hirday Paul Singh	Jt. Director (Info & PR), CSK H.P.Agriculture Univeristy
20.	Shri Vishal Bhamnotra	Senior Civil Judge cum Additional Chief Judicial Magistrate, Palampur
21.	Ms. Upasana Sharma	Senior Civil Judge cum Additional Chief Judicial Magistrate, Palampur
22.	Shri Saurabh Jassal	Addl. Deputy Commissioner, Kangra
23.	Shri Gurbachan Singh, HPPS	Sub Divisional Police Officer, Palampur
24.	Shri Sarthak Sharma	Tehsildar cum Executive Magistrate, Palampur
25.	Manjinder Singh Lalpura	MLA, Khadoor Sahib, District- Tarn taran (Punjab)

VISITORS STATISTICS (YEAR 2022- 2023)

Annexure –I

A. National Science Centre, Delhi

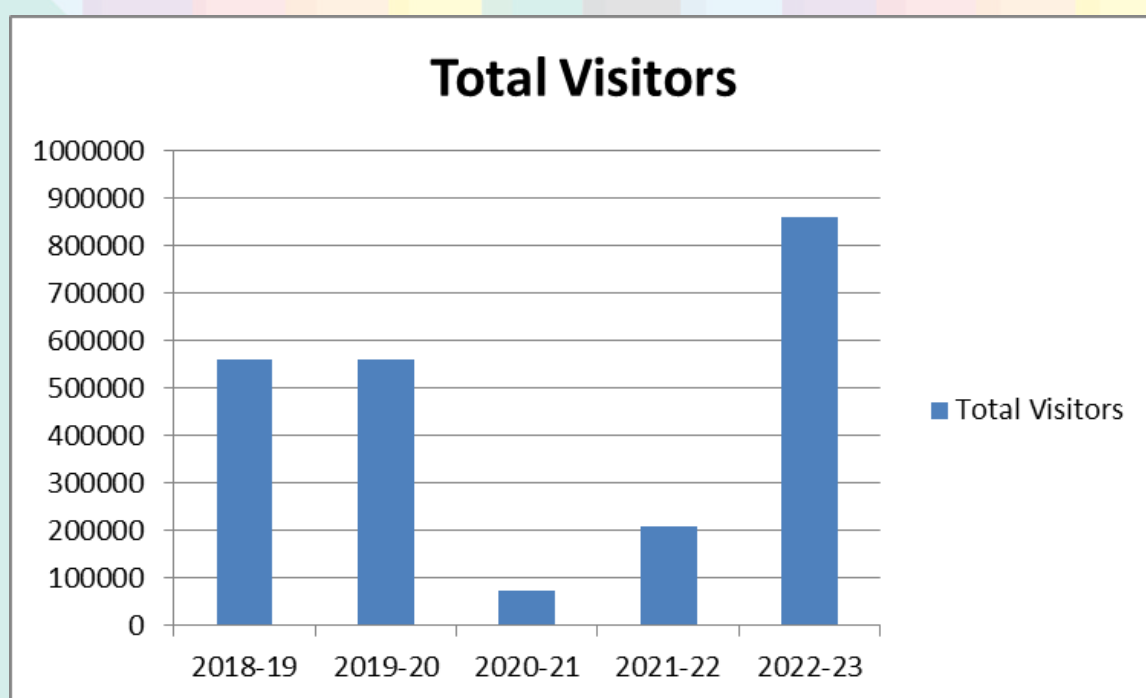
Months	Students	General Visitors	Visitor (Outreach Prog.)	Total
April, 2022	1630	21749	0	23379
May, 2022	3611	42222	0	45833
June, 2022	2105	64215	0	66320
July, 2022	4520	32919	0	37439
August, 2022	6580	33683	2500	42763
September, 2022	8653	24022	0	32675
October, 2022	14508	25127	0	39635
November, 2022	44391	29205	3459	77055
December, 2022	146360	30544	9930	186834
January, 2023	171613	34328	32585	238526
February, 2023	49308	24177	174775	248260
March, 2023	8778	35590	64992	109360
Total	462057	397781	288241	1148079



B. National Science Centre, Delhi (on site)

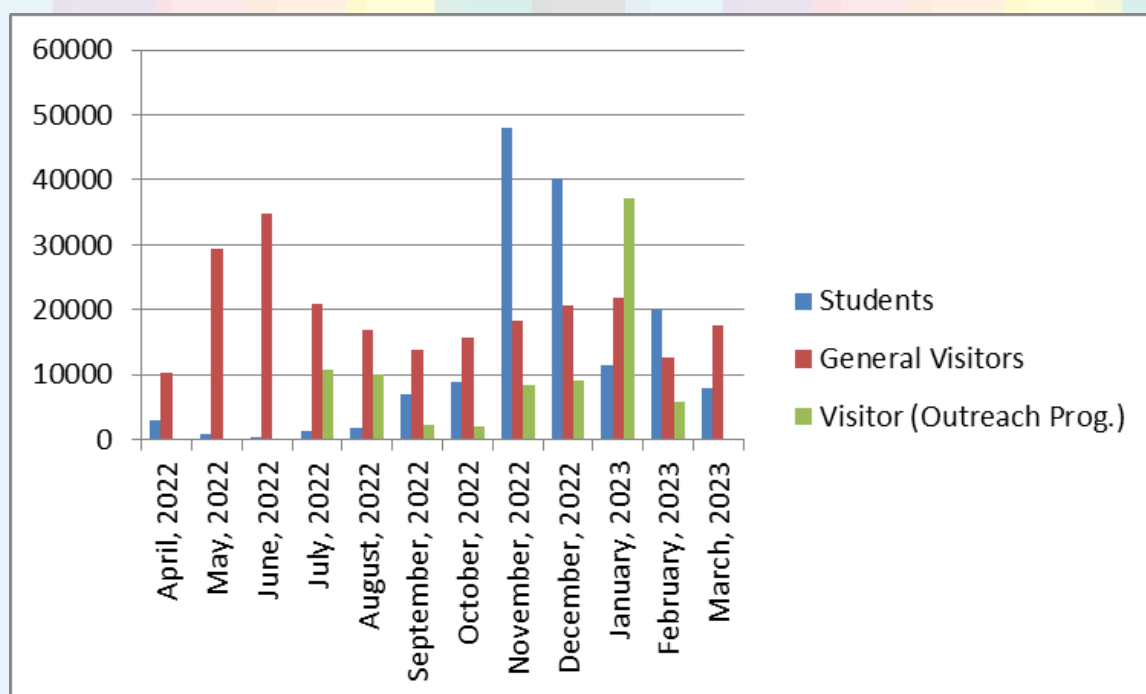
Visitor's Profile in the last five years at NSC, Delhi (Excluding Outreach Visitors)

Year	Total Visitors
2018-19	561911
2019-20	561107
2020-21	73609
2021-22	210508
2022-23	859838



C. Regional Science City, Lucknow

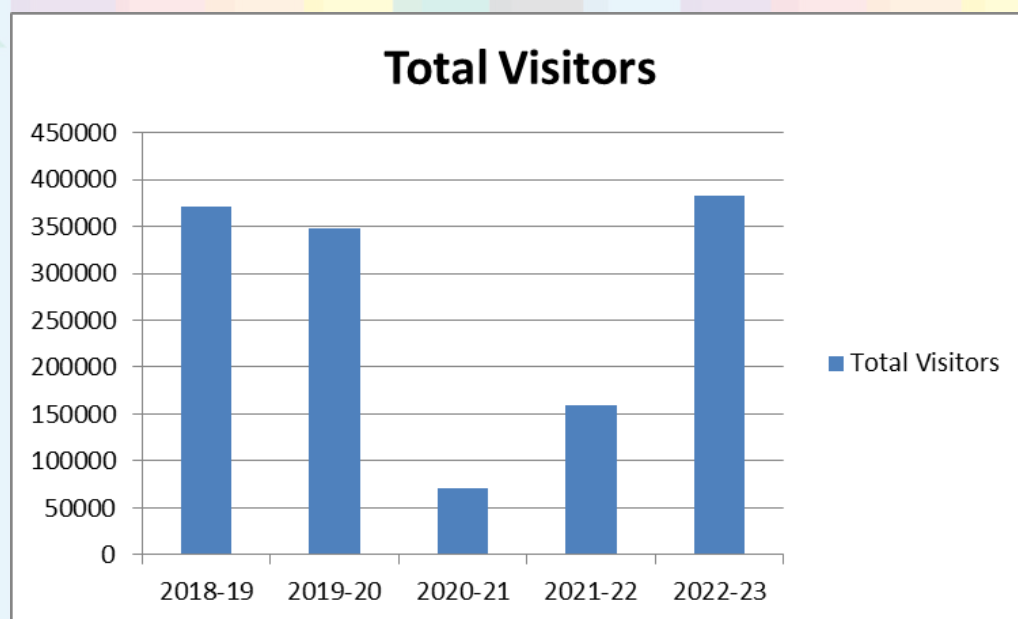
Months	Students	General Visitors	Visitor (Outreach Prog.)	Total
April, 2022	3089	10206	0	13295
May, 2022	811	29486	0	30297
June, 2022	314	34688	0	35002
July, 2022	1288	20980	10770	33038
August, 2022	1768	16807	10000	28575
September, 2022	7048	13731	2275	23054
October, 2022	8757	15615	2050	24372
November, 2022	47981	18404	8500	74885
December, 2022	40179	20579	9000	69758
January, 2023	11578	21918	37162	70658
February, 2023	19957	12675	5745	38377
March, 2023	7922	17580	0	25502
Total	150692	232669	85502	468863



D. Regional Science City, Lucknow (OnSite)

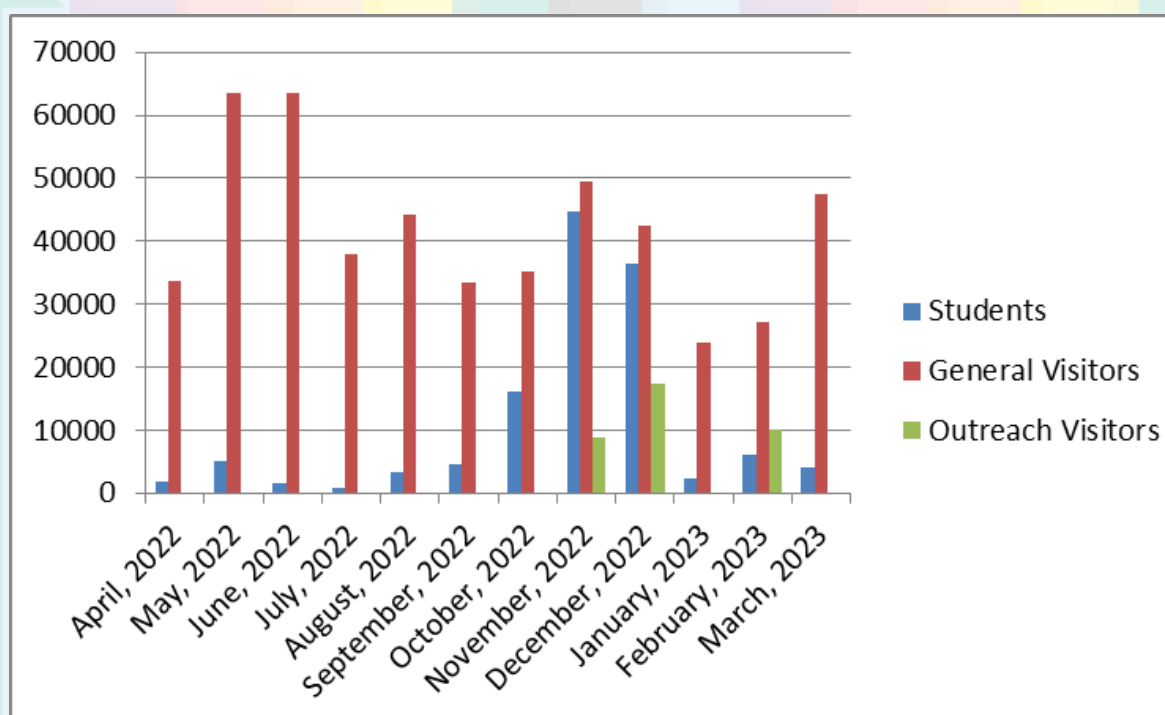
Visitors' Profile in the last five years at RSC, Lucknow (Excluding Outreach Visitors)

Year	Total Visitors
2018-19	371717
2019-20	347919
2020-21	70710
2021-22	159663
2022-23	383361



E. KURUKSHETRA PANORAMA & SCIENCE CENTRE, KURUKSHETRA

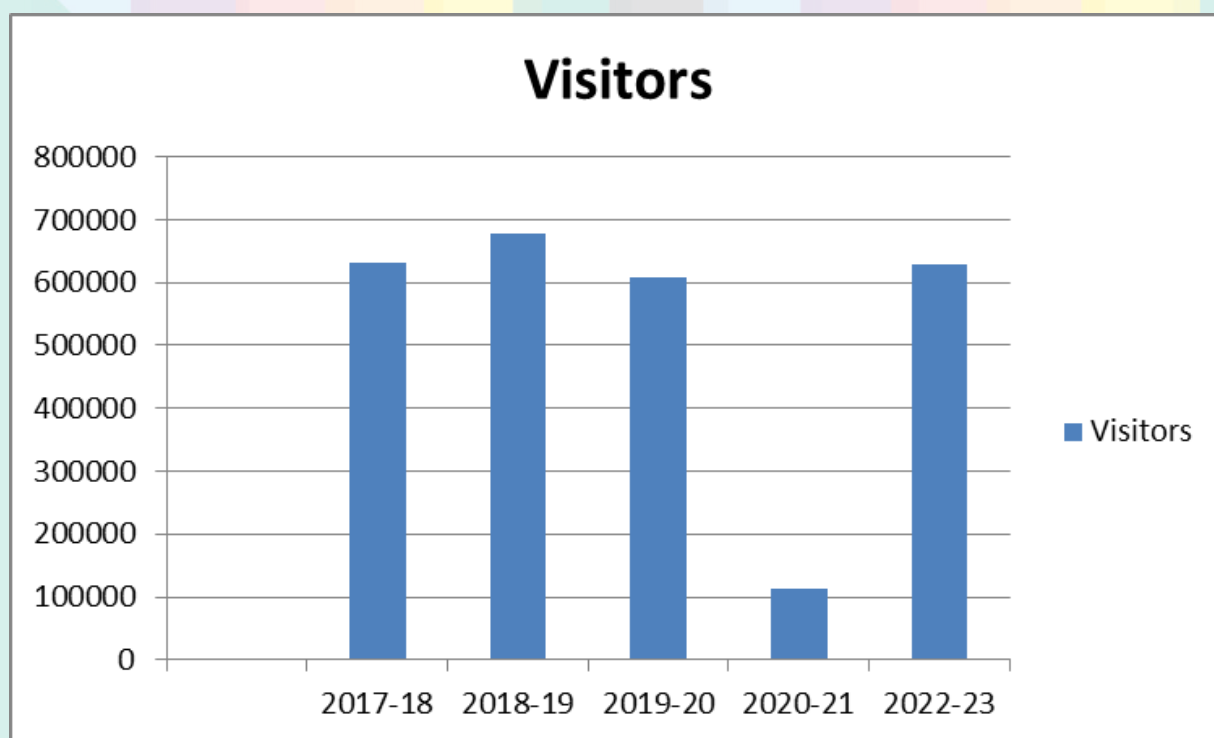
Months	Students	General Visitors	Visitor (Outreach Prog.)	Total
April, 2022	1817	33637	0	35454
May, 2022	5200	63576	0	68776
June, 2022	1544	63577	0	65121
July, 2022	735	37988	0	38723
August, 2022	3307	44256	0	47563
September, 2022	4688	33503	0	38191
October, 2022	16019	35232	0	51251
November, 2022	44669	49477	8800	102946
December, 2022	36500	42444	17500	96444
January, 2023	2320	23976	0	26296
February, 2023	6123	27255	10000	43378
March, 2023	4204	47442	0	51646
Total	127126	502363	36300	665789



F. Kurukshetra Panorama & Science Centre, Kurukshetra (On Site)

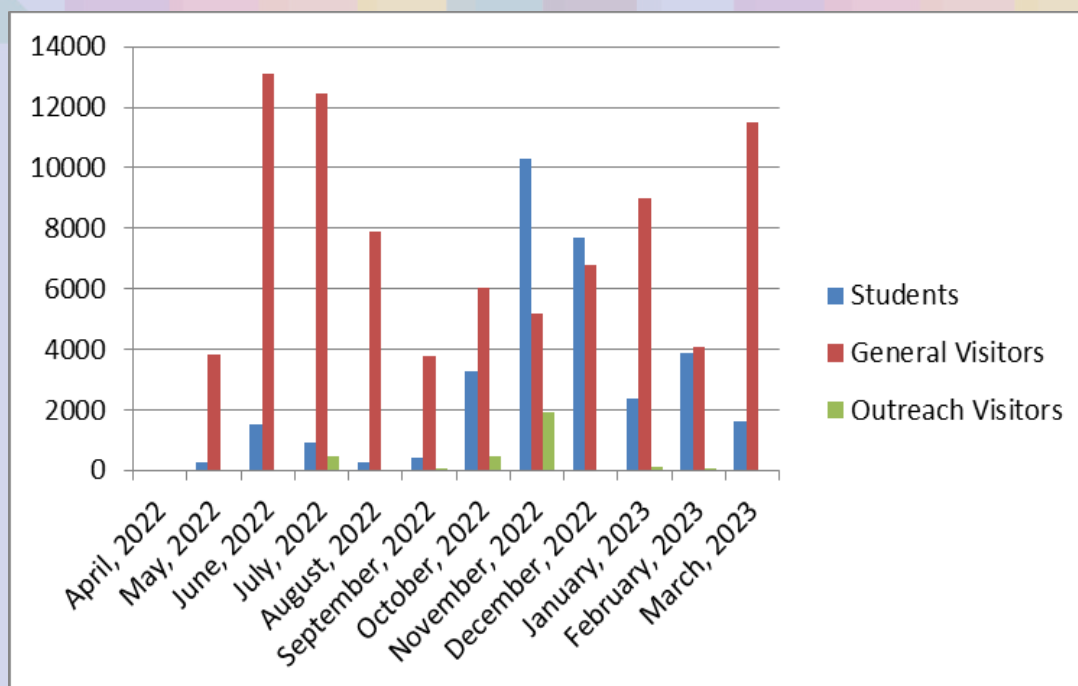
Visitors' Profile in the last five years at KPSC, Kurukshetra (Excluding Outreach Visitors)

Year	Total Visitors
2017-18	630263
2018-19	677149
2019-20	608256
2020-21	112618
2021-22	629489



G. Palampur Science Centre, Palampur

Months	Students	General Visitors	Visitor (Outreach Prog.)	Total
April, 2022	–	–	–	–
May, 2022	283	3845	0	4128
June, 2022	1500	13088	0	14588
July, 2022	938	12476	474	13888
August, 2022	280	7897	0	8177
September, 2022	434	3783	90	4307
October, 2022	3277	6045	450	9772
November, 2022	10285	5187	1900	17372
December, 2022	7663	6768	0	14431
January, 2023	2359	8969	100	11428
February, 2023	3874	4094	25	7993
March, 2023	1644	11501	0	13145
Total	32537	83653	3039	119229



H. Palampur Science Centre, Palampur (On Site)

Visitors' Profile in the last One years at PSC, Palampur (Excluding Outreach Visitors)

Year	Total Visitors
2022-23	116190

LIST OF EXHIBITS DEVELOPED/ RENOVATED/ PROCURED

Annexure-II

A. National Science Centre, Delhi

S.No.	Name of the Exhibit /Kit/Multimedia	No. of Exhibit	Type of the exhibit	New Duplicate /Renovated
1.	Area of Circle	1	Fun Science Exhibit	Duplicate
2.	Infinity Tunnel	1	Fun Science Exhibit	Duplicate
3.	Kaleidoscope	1	Fun Science Exhibit	Duplicate
4.	Probability Curve	1	Fun Science Exhibit	Duplicate
5.	Pythagoras Theorem	1	Fun Science Exhibit	Duplicate
6.	Transfer of Momentum	1	Fun Science Exhibit	Duplicate
7.	Value of Pie	1	Fun Science Exhibit	Duplicate
8.	Vortex	1	Fun Science Exhibit	Duplicate
9.	Conic Section	1	Fun Science Exhibit	Duplicate
10.	All Roads Lead to Rome	1	Fun Science Exhibit	Duplicate
11.	Know our Scientists (Flip book)	1	Fun Science Exhibit	Duplicate
12.	Rotating Chair	1	Fun Science Exhibit	Duplicate
13.	Hit the ball if you can	1	Fun Science Exhibit	Duplicate
14.	Shaded Pole Motor	1	Fun Science Exhibit	Duplicate
15.	Stop the Fan	1	Fun Science Exhibit	Duplicate
16.	Transfer of Momentum	1	Fun Science Exhibit	Duplicate
17.	Express Route	1	Fun Science Exhibit	Duplicate
18.	Loop the Loop	1	Fun Science Exhibit	Duplicate
19.	Longer the slower Shorter the Faster	1	Fun Science Exhibit	New Gallery Exhibit
20.	Impossible Mixture	1	Fun Science Exhibit	Duplicate Exhibit
21.	Echo Tube	1	Science Park Exhibit	Duplicate Exhibit
22.	Projective Geometry	1	Science Park Exhibit	Duplicate Exhibit
23.	Liver Reduces Effort (3 types)	3	Science Park Exhibit	Duplicate
24.	Camera Obscura	1	Science Park Exhibit	Duplicate
25.	Whispering Garden	1	Science Park Exhibit	Duplicate
26.	Action Reaction	1	Science Park Exhibit	Duplicate
27.	Sympathetic Swing	1	Science Park Exhibit	Duplicate
28.	Musical Tubes	1	Science Park Exhibit	Duplicate
29.	Lift Yourself	1	Science Park Exhibit	Duplicate
30.	Solar Eclipse	1	Science Park Exhibit	Duplicate
31.	Gravity chair	1	Science Park Exhibit	Duplicate
32.	Bucky Ball Climber	1	Science Park Exhibit	Duplicate
33.	Periscope	1	Science Park Exhibit	Duplicate
34.	Interactive Sundial	1	Science Park Exhibit	Duplicate
35.	Value of Pi	1	Science Park Exhibit	Duplicate
36.	Inclined Plane	1	Science Park Exhibit	Duplicate
37.	Liver Reduces Effort (3 types)	1	Science Park Exhibit	Duplicate Exhibit
38.	Lift Yourself	1	Science Park Exhibit	Duplicate Exhibit

S.No.	Name of the Exhibit /Kit/Multimedia	No. of Exhibit	Type of the exhibit	New Duplicate /Renovated
39.	Solar Eclipse	1	Science Park Exhibit	Duplicate Exhibit
40.	Periscope	1	Science Park Exhibit	Duplicate Exhibit
41.	Interactive Sundial	1	Science Park Exhibit	Duplicate Exhibit
42.	Newton's Disc	1	Science Park Exhibit	Duplicate Exhibit
43.	Our Planet our Choice	1	Gallery Exhibit	Duplicate Exhibit
44.	Reinstate facts Retire Fictions	1	Gallery Exhibit	Duplicate Exhibit
45.	How Climate system Works?	1	Gallery Exhibit	New Exhibit
46.	Mindful Mining	1	Gallery Exhibit	New Exhibit
47.	An Energy problem & Indian Opportunity	1	Gallery Exhibit	New Exhibit
48.	Our Broken Planet	1	Gallery Exhibit	New Exhibit
49.	Preventing Climate war	1	Gallery Exhibit	New Exhibit
50.	Eating the Earth	1	Gallery Exhibit	New Exhibit
51.	Catching Fever	1	Gallery Exhibit	New Exhibit
52.	Ice Core	1	Gallery Exhibit	New Exhibit
53.	How hot Exactly, is it going to get	1	Gallery Exhibit	New Exhibit
54.	If all the ice melted	1	Gallery Exhibit	New Exhibit
55.	Climate Emergency	1	Gallery Exhibit	New Exhibit
56.	Where do you feel Comfort?	1	Gallery Exhibit	Duplicate Exhibit
57.	Hydraulic lift	1	Gallery Exhibit	New Exhibit
58.	Transfer of Momentum	1	Gallery Exhibit	Duplicate Exhibit
59.	Where do you feel Comfort?	1	Gallery Exhibit	Duplicate Exhibit
60.	Visualizing Vibrations	1	Gallery Exhibit	Duplicate Exhibit
61.	Impossible Mixture	1	Gallery Exhibit	Duplicate Exhibit
62.	Message from Depth	1	Gallery Exhibit	Duplicate Exhibit
63.	Vortex	1	Gallery Exhibit	Duplicate Exhibit
64.	Wind Table	1	Gallery Exhibit	Duplicate Exhibit
65.	Induced Voltage	1	Gallery Exhibit	Duplicate Exhibit
66.	Hit the Ball if You Can	1	Gallery Exhibit	Duplicate Exhibit
67.	Snake Pendulum	1	Gallery Exhibit	Duplicate Exhibit
68.	Doppler Effect	1	Gallery Exhibit	Duplicate Exhibit
69.	Anamorphoses	1	Gallery Exhibit	Duplicate Exhibit
70.	Self-Centred Mirror	1	Gallery Exhibit	Duplicate Exhibit
71.	Infinity Curving Tunnel	1	Gallery Exhibit	Duplicate Exhibit
72.	Straight Line to Hyperboloid	1	Gallery Exhibit	Duplicate Exhibit
73.	All Roads Lead to Rome	1	Gallery Exhibit	Duplicate Exhibit
74.	Pin Screen	1	Gallery Exhibit	Duplicate Exhibit
75.	Stop the Fan	1	Gallery Exhibit	Duplicate Exhibit
76.	Cone Runs Uphill	1	Gallery Exhibit	Duplicate Exhibit
77.	Loop the Loop	1	Gallery Exhibit	Duplicate Exhibit
78.	Planetary Motion	1	Gallery Exhibit	Duplicate Exhibit
79.	Longer the slower shorter the faster (new)	1	Gallery Exhibit	Duplicate Exhibit

Total Exhibits = 81

B. Regional Science City, Lucknow

S.No.	Name of the Exhibit /Kit/Multimedia	No. of Exhibit	Type of the exhibit	New Duplicate /Renovated
1.	Angular Momentum	3	Science Park Exhibit	Renovated
2.	Turn Faster	1	Science Park Exhibit	Renovated
3.	Action Reaction	1	Science Park Exhibit	Renovated
4.	Sundial	1	Science Park Exhibit	Renovated
5.	Weightlessness	1	Science Park Exhibit	Renovated
6.	Are you Ambidexter	1	Science Park Exhibit	Renovated
7.	Gene splicing (BT Gallery)	1	Gallery Exhibit	Renovated
8.	Breaking Time (Sport Gallery)	1	Gallery Exhibit	Renovated
9.	Air Point Pistol (Fun Gallery)	1	Gallery Exhibit	Renovated
10.	Water Foot Print (Water Gallery)	1	Gallery Exhibit	Renovated
11.	Our Blue Planet (Water Gallery)	1	Gallery Exhibit	Renovated
12.	Soap Film obey Geometry (Fluidics gallery)	1	Gallery Exhibit	Renovated
13.	Probability Curve	1	Portable Exhibit	New Exhibit
14.	Value of Pi	1	Portable Exhibit	New Exhibit
15.	Pathagoras theorem	1	Portable Exhibit	New Exhibit
16.	Area of Circle	1	Portable Exhibit	New Exhibit
17.	Mindful Mining (Core Exhibit)	1	Gallery Exhibit	New Exhibit
18.	Rough Weather Ahead (Core Exhibit)	1	Gallery Exhibit	New Exhibit
19.	Reinstate Facts Retire Fictions (Core Exhibit)	1	Gallery Exhibit	New Exhibit
20.	Under Water (Core Exhibit)	1	Gallery Exhibit	New Exhibit
21.	Pipe of Pan (2 Sets)	2	Science Park Exhibit	New Exhibit
22.	Yo-Yo (2 Sets)	2	Science Park Exhibit	New Exhibit
23.	Periscope (2 Sets)	2	Science Park Exhibit	New Exhibit
24.	Newton Disc (3 Sets)	3	Science Park Exhibit	New Exhibit

Total Exhibits = 29 Exhibits

C. Kurukshetra Panorama & Science Centre, Kurukshetra

S.No.	Name of the Exhibit /Kit/Multimedia	No. of Exhibit	Type of the exhibit	New Duplicate /Renovated
1.	Granite Ball	1	Science Park Exhibit	Renovated
2.	Turn Faster	1	Science Park Exhibit	Renovated
3.	Value of Pi	1	Science Park Exhibit	New
4.	Size & Distance	1	Science Park Exhibit	New
5.	Projective Geometry	1	Science Park Exhibit	New
6.	Srinivasa Ramanujan (Bust)	1	Science Park Exhibit	New
7.	Newton Disc	1	Science Park Exhibit	New
8.	Lever Reduces Effort (3 types)	1	Science Park Exhibit	New
9.	Air Point Pistol (Fun Gallery)	1	Science Park Exhibit	New
10.	Camera Obscura	1	Science Park Exhibit	New
11.	Periscope	1	Science Park Exhibit	New
12.	Projective Geometry	1	Science Park Exhibit	New
13.	Yoyo Competition	1	Science Demonstration Kits	New
14.	Walk on Rope	1	Science Demonstration Kits	New
15.	Turn Faster	1	Science Demonstration Kits	New
16.	Simple Yoyo	1	Science Demonstration Kits	New
17.	Lift Competition	1	Science Demonstration Kits	New
18.	Turn Yourself Faster	1	Science Demonstration Kits	New
19.	Centre of Mass	1	Science Demonstration Kits	New
20.	Weightlessness	1	Science Demonstration Kits	New
21.	Work forever	1	Science Demonstration Kits	New
22.	Transfer of Momentum	1	Renovated Gallery Exhibit	Renovated
23.	Plant Health	6	Panel Exhibitions	New
24.	Plastics	6	Panel Exhibitions	New
25.	Solar Eclipse	5	Panel Exhibitions	

Total Exhibits = 39 Exhibits

D. Palampur Science Centre, Palampur

S.No.	Name of the Exhibit /Kit/Multimedia	No. of Exhibit	Type of the exhibit	New Duplicate /Renovated
1.	Colour Venture	1	Interactive Demonstration of White Light in LED	NEW
2.	Provision of Contactless Operation in 15 Nos. of Exhibits namely-Vortex, Colour Venture, Induced Voltage, Rising Spark, Spark Wheel, Jumping Disc, Doppler's Effect, Acrobatic Stick, Colour Shadow, Frozen Shadow, Curie Point, Up & Down, Colour Pyramid, Stop The Fan and Wind Tube	1	Fun Science Exhibit	Renovated
3.	Science Kits-62Nos	62	Science Demonstration Kit	

Total Exhibits = 64 Exhibits

LIST OF POPULAR SCIENCE LECTURES

A. National Science Centre, Delhi

S. No.	Date	Title	Speaker	No. of Audience
1.	April 22, 2022	Green Chemistry For Sustainable Tomorrow	Prof. Anju Shrivastava, Principal, Hindu College, New Delhi	150
2.	May 24, 2022	Dealing with Problems of Adolescence: The Charm and the Challenges	Ms. Shipra Goyal Moolchand Medicity	100
3.	May 25, 2022	Nutritional values & Wellbeing in the Adolescent years , Positive Parenting Skills	Ms. Arunima Bhutani Moolchand Medicity	89
4.	May 26, 2022	Financial Education for Salaried Persons Sponsored by Securities and exchange Board of India	Dr. Sunita Gupta Associate Professor Daulat Ram College, University of Delhi	45
5.	May 31, 2022	Dealing with Problems of Adolescence: The Charm and the Challenges	Ms. Shipra Goyal Moolchand Medicity	48
6.	June 1, 2022	Nutritional values & Wellbeing in the Adolescent years, Positive Parenting Skills	Ms. Arunima Bhutani Moolchand Medicity	58
7.	June 2, 2022	Financial Education for Salaried Persons Sponsored by Securities and exchange Board of India	Dr. Sunita Gupta Associate Professor Daulat Ram College, University of Delhi	65
8.	June 06, 2022	Financial Education for Salaried Persons Sponsored by Securities and exchange Board of India	Dr. Sunita Gupta Associate Professor Daulat Ram College, University of Delhi	45
9.	June 27, 2022	Basics of Website Development	Experts from Learning Link Foundation	48
10.	May 19, 2022	Power of the Museums'	Prof. Queeny Pradhan, Dean School of Mass Communication, GGIP, Delhi	400

S. No.	Date	Title	Speaker	No. of Audience
11.	June 2, 2022	'Cyber World'	Dr. Dheeraj Chiller, a computer expert and book	546
12.	June 3, 2022	Malaria & Research	Dr. Praveen K Bharti, Scientist, ICMR-National Institute of Malaria Research	254
13.	June 3, 2022	Microbes & Their Role In Our Life	Dr. S. Bharti, Scientist, ICMR-National Institute of Malaria Research	298
14.	June 21, 2022	Yoga For Humanity	Expert from Morarji Desai National Institute of Yoga	375
15.	July 10,2022	Drone Technology & It's Application	Mani Aerospace & Drone Club	62
16.	August 8, 2022	The Magic & Mysteries of Stem Cell'	Dr. Sujata Mohanty, Professor, DBT, Centre of Excellence for Stem Cell Research, AIIMS, Delhi	300
17.	August 10, 2022	Weather Forecasting Mechanism'	Dr. Mrutyunjay Mohapatra, Director General, Indian Meteorological Department, New Delhi	289
18.	August 26, 2022	Atom for Peace'	Sh. Umed Yadav, Assistant Chief Engineer, NPCIL	300
19.	September 16, 2022	Present status of Ozone and its Health implications for life on Earth	Dr. Siddharth Singh, Sr. Scientist, Indian Meteorological Department, New Delhi	305
20.	September 28 , 2022	Ancient India Science & Technology: An Overview	Dr. Om Prakash Pandey, Former scientific adviser to govt. of India & renowned Vedic Scientist	250
21	September 29, 2022.	Vistas of cosmos revealed by JWST	Dr. T.V. Venkateswaran, Senior Scientist, Vigyan Prasar	250
22.	October,2022	STEM for the Future	Dr. Sunali Khanna, Associate Professor, Nair Hospital Dental College, Municipal Corporation of Greater Mumbai	150
23.	November 1, 2022	Sardar Patel- Freedom Movement & National Unity		120

S. No.	Date	Title	Speaker	No. of Audience
24.	December 16, 2022	'Vaccines Injecting hope for billions'	Dr. P. K. Srivastava, Retd. Dy. Director (Sr. Principal Scientist), CSIR-Central Drug Research Institute	260
25.	December 21, 2022	Swatantra Bharat Mein Kamkaj Ki Anivaryata	Dr. Prof. P.C Tandon, Department of Hindi, University Of Delhi	50
26.	December 21, 2022	Experiential Learning on Environmental Science	Prof. Sushil Kumar Dash, Sr. Scientist, IIT Dehi	500
27.	January 27, 2023	Making Science Fun and Simple	Mr. David Price, renowned Science Communicator from the United Kingdom	315
28.	February 28, 2023	Vaccines: How do they work?	Dr. Leyanna Susan George, Senior Scientist & Public Health Specialist, ICMR	323
30.	March 25, 2023	Polymer Coating for Blast and Ballistic Mitigation	Dr. Prasun Roy, Head Centre for Fire, Explosive and Environment Safety, DRDO	300

B. Regional Science City, Lucknow

S. No.	Date	Speaker	Title	No. of Audience
1.	April 07, 2022	Dr. Neelam Kumari Singh, IT College, Lucknow	Food safety and our health	102
2.	April 22, 2022	Prof. Vibhuti Rai, Geology Department, Lucknow University, Lucknow	Invest in our planet	161
3.	May 18, 2022	Dr. Renu Dwivedi, Director State Museum, Lucknow	Power of Museum	153
4.	July 18, 2023	Sri B.B. Trivedi Central groundwater Board Lucknow	Water crisis	165

S. No.	Date	Speaker	Title	No. of Audience
5.	July 19, 2022	Dr. R. A. Yadav, Hydrologist Jal Sansthan Lucknow,	Rainwater Harvesting	630
6.	July 28, 2022	Dr. R.C. Sharma, Manager groundwater Board Lucknow	Groundwater recharging	145
7.	August 8, 2022	Dr. Bijendra Pandey department of political science Vidyant Hindu Degree College, Lucknow ,	Role of our freedom fighters	130
8.	August 28, 2022	Dr. Jaya Pandey, Assistant professor chemistry department Amity University, Lucknow	Atom & Nuclear Energy	180
9.	November 4, 2022	Shri Ramesh Kumar Bharati superintendent of police Vigilance Department Uttar Pradesh	Corruption free India for a development Nation	250
10.	December 1, 2022	Dr. Nishchay Kesari, medical officer King George Medical University, Lucknow	Know the facts about HIV	125
11.	December 1, 2022	Dr. Himanshu Reddy, Medical Superintendent King George Medical University Lucknow	HIV-AIDS and government support	125
12.	February 9, 2023	Dr. Manvendra Tripathi, former senior and Technology National Academy of Sciences India local chapter Lucknow	Dengue and Chikungunya its containment	165
13.	February 28, 2023	Prof. Ramesh Sharma former Head Department of Biochemistry and Dean North Eastern Hill University Shillong	Food & Nutrition for longevity	210
14.	February 28, 2023	Prof. Veena Tandon, Padamshree awardee, Department of Biochemistry North Eastern Hill University Shillong	Our Balance Diet	210
15.	March 22, 2023	Dr. R.C. Sharma, Manager Groundwater Board, Lucknow	Water Crisis and Our Responsibility	165
Total				2916

C. Kurukshetra Panorama & Science Centre, Kurukshetra

S. No.	Date	Title	Speaker	No. of Audience
1.	April 22, 2022	Emerging green Technologies & Innovative Thinking'	Dr. A. R. Chaudhary, Director, Centre of Excellence on Saraswati River, Kurukshetra University, Kurukshetra	150
2.	May 18 2022	Importance of Museums in the Society	Dr. A. R. Chaudhary, Director, Centre of Excellence on Saraswati River, Kurukshetra University, Kurukshetra	200
3.	June 21, 2022	Yoga for Peace & Prosperity	Sh. Jitender Kumar Das, Education Officer, KPSC	100
4.	July 27, 2022	Importance of Microorganisms & their Conservation	Dr. Neeraj Kumar, Professor, Department of Microbiology, Kurukshetra University, Kurukshetra	200
5.	July 28, 2022	Importance of Microorganisms & their Conservation	Dr. Neeraj Kumar, Professor, Department of Microbiology, Kurukshetra University, Kurukshetra	200
6.	August 26, 2022	Atom for Peace	Sh. Rajesh Chakravarti, Scientist E, Gorakhpur Haryana Anu Vidyut Pariyojana, Fatehabad	95
7.	September 28, 2022	Challenges before Science Centre	Sh. Suresh Kumar Soni, Project Coordinator, KPSC	100
8.	November 10, 2022	Science-A logical explanation of the mysteries	Dr. A. R. Chaudhary, Director, Centre of Excellence on Saraswati River, Kurukshetra University, Kurukshetra	85
9.	February 06, 2023	Khana Khazana : My Food Heritage	Dr. A. R. Chaudhary, Director, Centre of Excellence on Saraswati River, Kurukshetra University, Kurukshetra	200
10.	February 28, 2023	Global Science for Global Wellbeing	Dr. Bindu Battan, Assistant Professor, Department of Biotechnology, Kurukshetra University, Kurukshetra	92

D. Palampur Science Centre, Palampur

S. No.	Date	Title	Speaker	No. of Audience
1.	20.05.2022	Quest for sustainability: role of science centres and museums'	Project Coordinator, PSC, Palampur	52
2.	21.06.2022	Yoga for Humanity	Project Coordinator, PSC, Palampur	50
3.	20.07.2022	That's one small step for man, one giant leap for mankind to living in the space	Project Coordinator, PSC, Palampur	56
4.	28.07.2022	Plastic Pollution: Prevention & Alternatives	Project Coordinator, PSC, Palampur	68
5.	14.08.2022	The glorious History of India	Education Assistant, PSC, Palampur	41
6.	26.08.2022	Peaceful & Safe Use of Atomic Energy for meeting Societal Needs	Shri A.K. Dhamija, Sr. Executive Engineer & Chairman of Public Awareness Committee, NPCIL & Shri Neeraj Gaur, Technical Officer & member secretary Public Awareness Committee, NPCIL	185
7.	28.09.2022	The Quest for Scientific Culture: Role of New Media and Informal Mode of Science Communication.	Shri Parveen Sharma, Senior Journalist, Founder & State President of Him Jan Kalyan Sanstha.	66
8.	16.09.2022	OzoneLayer:Earth's Protective Cover	Project Coordinator, PSC, Palampur	118
9.	10.11.2022	Basic Sciences for Sustainable Development	Er. Mohit Sharma, Principal Scientist, CSIR-IHBT	53
10.	06.12.2022	Frontiers of the Research in CSIR-IHBT	Dr. Upendra Sharma, Sr. Scientist, CSIR-IHBT & Er. Mohit Sharma, Principal Scientist, CSIR-IHBT	170
11.	09.12.2022	Different Techniques of development of Aquarium	Dr. Tarang Kumar Shah, Assistant Professor, Dept. of Fisheries, CSK-HPKV	170

S. No.	Date	Title	Speaker	No. of Audience
12.	22.12.2022	Life and Works of Srinivasa Ramanujan	Project Coordinator, PSC, Palampur	85
13.	10.01.2023	To make Hindi a part of public opinion, although it doesn't necessarily mean that one has to leave their mother tongue	Project Coordinator, PSC, Palampur	61
14.	28.02.2023	Global Science for Global Wellbeing	Project Coordinator, PSC, Palampur	65
15.	22.03.2023	Accelerating change to solve the water and sanitation crisis	Project Coordinator, PSC, Palampur	63
16.	24.03.2023	'Yes! We can end TB!'	Shri Amitesh Verma, Education Assistant, PSC, Palampur	50

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1.	Prof. Abhay Karandikar Director Indian Institute of Technology, Kanpur Kalyanpur, Uttar Pradesh – 208016	8.	Financial Adviser Ministry of Culture or his/her nominee Room No. 318, 'C' Wing, Third floor, Shastri Bhawan New Delhi - 110001
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3.	Dr. Sridhar Sivasubbu Sr. Principal Scientist CSIR-Institute of Genomics & Integrative Biology Room # 106, Sukhdev Vihar, Mathura Road, New Delhi – 110025	10.	Shri. A. D. Choudhury Director General National Council of Science Museums or his/her nominee Block-GN, Sector-V, Bhidhan Nagar, Kolkata - 700091
4.	Shri Sanjiv Nandan Sahai Director Nehru Memorial Museum & Library Teen Murti Bhavan, Teen Murti Marg Jaipur House, India Gate, New Delhi –3	11.	Shri N. Ramdas Iyer Director, National Science Centre Bhairon Marg, Near Gate No. 4, Pragati Maidan New Delhi - 110001
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National Science Centre, Delhi

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2.	Dr. Sridhar Sivasubbu Principal Scientists, Room No. 106, CSIR-IGIB, Sukhdev Vihar, Mathura Road, New Delhi-110025	8.	Dr. Rajiv Choudhary Professor of Mech. Engg., Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-42
3.	Ms. Kinkini Dasgupta Scientist, Vigyan Prasar 5th Floor Prithvi, Opp. India Habitat Centre, Lodhi Road, New Delhi-110003	9.	Shri A. D. Choudhury Director General National Council of Science Museums Sector-V, Block-GN, Bidhan Nagar, Kolkata
4.	Dr. K. Thyagarajan HoD (Physics), Bennet University Plot Nos. 8-11, Tech Zone 2, Greater Noida, Uttar Pradesh-201310	10.	Shri N. Ramdas Iyer Director, National Science Centre, Pragati Maidan, Near Gate No.4, Bhairon Marg, New Delhi
5.	Prof. Dinesh Kumar, Head, Department of Education in Science and Mathematics (DESM), NCERT, New Delhi	11.	Dr. Raj Mehrotra Curator 'F', National Science Centre Pragati Maidan, Near Gate No.4, Bhairon Marg, New Delhi
6.	Dr. Abdul Latif Khatana Associate Professor, Acting & Chief Theatre in Education, National School of Drama, Bahawalpur House, 1, Bhagwandas Road New Delhi-110001	12.	Shri Vijay Shanker Sharma Curator 'F', National Science Centre Pragati Maidan, Near Gate No.4, Bhairon Marg, New Delhi

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4.	Shri P. K. Srivastava Dy. Director (Sr. Principal Scientist) Ex. CSIR-Central Drug Research Institute R/o House No. 4/218, Jankipuram Extension Lucknow-226021
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12.	Project Coordinator Regional Science City Sector-E, Aliganj Extension, (EktaVihar), Lucknow-226024

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12.	Project Coordinator Kurukshetra Panorama & Science Centre Kurukshetra -136118, Haryana

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12.	Project Coordinator Palampur Science Centre, Palampur

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National Science Centre, Delhi

A unit of National Council of Science Museums, Ministry of Culture, Government of India

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