संस्कृति मंत्रालय
भारत सरकार
Ministry of Culture
Government of India
सत्यमेव जयते

नेहरु विज्ञान केन्द्र
राष्ट्रीय विज्ञान संग्रहालय परिषद् की इकाई
संस्कृति मंत्रालय, भारत सरकार
Nehru Science Centre
A Unit of National Council of Science Museums
Ministry of Culture, Government of India

साई-मेल

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नेहरु विज्ञान केन्द्र
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Director's Desk

Dear Member(s),

Greetings from Nehru Science Centre, Mumbai!

Umesh Kumar Rustagi
Director NSCM

The arrival of the monsoon after a long and intense summer is always a welcome change. The refreshing rain showers rejuvenate nature, transform our surroundings into vibrant shades of green, and remind us that every new season brings fresh opportunities and new beginnings. In the same spirit, I warmly welcome all our student members as they embark on another exciting academic year. Whether you have entered a new class, joined a new school, or begun your college/university journey, I extend my heartfelt congratulations and wish you every success in your pursuit of knowledge and excellence.

A new academic session offers a wonderful opportunity to set meaningful goals, nurture curiosity, and explore learning beyond the classroom. Science extends far beyond textbooks; it comes alive through observation, experimentation, innovation, and imagination. I encourage you to discover exciting fields such as Artificial Intelligence, Robotics, Biotechnology, Space Science, and Sustainable Technologies, while continuing to ask questions and seek solutions to real-world challenges. The future belongs to young minds who combine scientific temper with creativity, critical thinking, and a spirit of responsibility.

The recently concluded Vacation Creative Science Workshops, one of the most popular annual programmes of Nehru Science Centre, received an overwhelming response from enthusiastic young learners. Participants experienced the joy of learning by doing and developed valuable STEM skills that inspire innovation and problem-solving. It was fourth consecutive year, we successfully conducted our outreach Summer Camps and Workshops at leading shopping malls across Mumbai and its suburbs

The Centre also proudly hosted Cosmic Fest in collaboration with Sky Explorers, bringing together students across Mumbai for a vibrant celebration of science, astronomy, and creativity. Another memorable highlight was the temporary exhibition commemorating the 65th Anniversary of the First Human Spaceflight, organized in collaboration with the Russian Consulate, which offered visitors an inspiring glimpse into humanity's remarkable journey into space.

*Adding to these exciting initiatives, Nehru Science Centre has inaugurated its **Drone Soccer Zone**, introducing visitors to an innovative fusion of technology, teamwork, and sport. We also launched the **Adrenalin Sci-Adventure Zone** on the occasion of International Museum Day, where students can experience scientific concepts such as biomechanics, gravity, balance, momentum, energy transformation, and human motion through thrilling physical activities. Complementing these attractions is our upgraded 3D Motion Simulator, providing an immersive and unforgettable scientific adventure.*

We warmly invite all our student members to actively participate in our programmes, competitions, exhibitions, and workshops, where learning blends with discovery, creativity, and excitement. We sincerely thank our students, teachers, parents, collaborators, and well-wishers for their continued trust and support. Your enthusiasm inspires us to create enriching and memorable experiences.

At Nehru Science Centre, we remain committed to making every visit an engaging journey of learning and exploration. We look forward to welcoming you and receiving your valuable feedback as we continue to nurture scientific curiosity and innovation. Join our WhatsApp Channel and follow us on our social media platforms to stay connected with the latest updates, events, and exciting activities.

Wishing you a productive, joyful, and successful year ahead. Keep exploring, keep questioning, and keep innovating!

CONTENT

IQ PUZZLES

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Send your answers to librarian.nscm@gmail.com

The last date for Sending Answer is 31st July 2026. Best entry will be suitably awarded

EXHIBIT AT THE CENTRE

ADRENALIN SCI-ADVENTURE ZONE

Where Thrill Meets Science!

Science is most exciting when it can be explored with your body as well as your mind. The Centre proudly presents the **Adrenalin Sci-Adventure Zone**, a dynamic new attraction in the Children's Science Park that transforms scientific concepts into unforgettable adventures.

Designed especially for students and families, this unique zone combines excitement, physical activity, and hands-on learning. Every ride and challenge demonstrates how the principles of physics, biomechanics, balance, motion, and energy work in our everyday lives. Visitors don't just learn science they experience it!

Zip Line - Feel gravity in action as potential energy transforms into kinetic energy. Learn about acceleration, friction, aerodynamics, and balance while soaring through the air.

Zip Bike - Cycle across a suspended cable and discover the science of stability, centre of gravity, mechanical efficiency, and human-powered motion.

Outdoor Wall Climber - Test your strength while exploring biomechanics, leverage, friction, and weight distribution in an exciting climbing challenge.

Human Gyro - Experience multi-axis rotation like an astronaut and understand angular momentum, spatial orientation, and the amazing human vestibular system.

360˚ Cycle - Can you pedal through a complete vertical loop? This thrilling exhibit demonstrates centripetal force, circular motion, energy conservation, and muscular power.

The Adrenalin Sci-Adventure Zone is much more than an adventure attraction it's an immersive science laboratory where every movement reveals a scientific principle. By blending fun with exploration, the Centre inspires curiosity, promotes experiential learning, and encourages young minds to discover the wonders of science beyond the classroom. From gravity and momentum to balance and biomechanics, each attraction transforms complex scientific concepts into exciting real-world experiences, making learning interactive, memorable, and fun for visitors of all ages.

So, gather your friends, challenge your limits, and embark on an unforgettable journey where every climb, spin, glide, and pedal reveals the magic of science. Visit the Nehru Science Centre and discover that learning becomes truly extraordinary when science is experienced, not just studied!

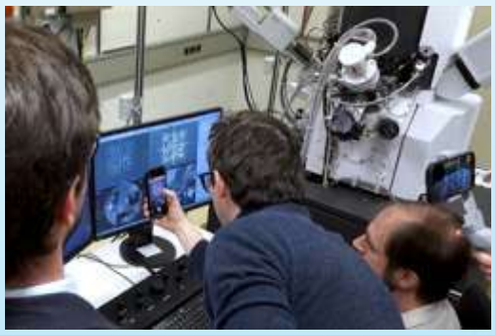
Whats new?

The World's Smallest QR Code

Tiny Size, Giant Possibilities!

Imagine a QR code so incredibly small that it cannot be seen with the naked eye or even with a powerful optical microscope! Researchers at **TU Wien (Vienna University of Technology)** and the data storage company **Cerabyte** have created the world's smallest QR code, measuring just **1.98 square micrometre**, making it smaller than most bacteria. This remarkable achievement has earned an official place in the **Guinness World Records.**

Each tiny pixel is only **49 nanometres** wide about ten times smaller than the wavelength of visible light. Because of its microscopic size, it can only be read using an **electron**



microscope, which uses beams of electrons instead of light to reveal extremely fine details.

The QR code is etched into a thin ceramic film, a material known for its exceptional strength and stability. Unlike today's magnetic hard drives or electronic storage devices that may fail after a few years, ceramic storage could safely preserve information for hundreds or even thousands of years without electricity or cooling.

The technology is also remarkably efficient. Scientists estimate that an area the size of a single A4 sheet of paper could store more than 2 terabytes of data enough for thousands of high-definition movies or millions of documents.

This tiny QR code demonstrates how materials science and nanotechnology can help build a more sustainable future. By storing information permanently in durable ceramics, future generations may be able to access today's knowledge while reducing the energy consumption and carbon emissions of massive data centres.

This record breaking innovation shows that the future of data storage may be microscopic, long-lasting, and environmentally friendly, helping preserve humanity's knowledge for generations to come.

Sometimes, the smallest inventions have the biggest impact!

Source: TU Wien Press Release

OUR SCIENCE & TECHNOLOGY HERITAGE

Sushruta Samhita

The Remarkable Legacy of Ancient Indian Medical Science

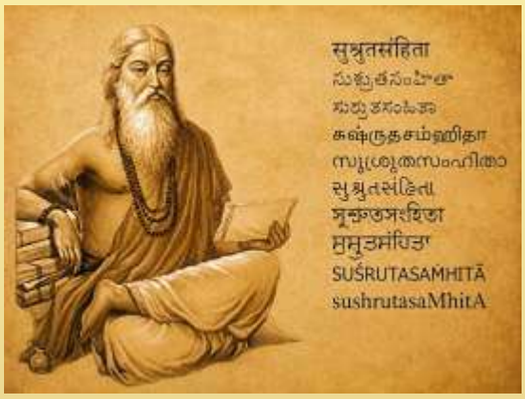
India's rich scientific heritage extends far beyond mathematics and astronomy. One of its greatest contributions to the world is the development of medical science, beautifully documented in the **'Sushruta Samhita'**, one of the oldest and most influential surgical texts in human history. Compiled by the renowned **surgeon Sushruta around the 6th century BCE,** this remarkable work reflects the advanced medical knowledge that flourished in ancient India.

In ancient times, medical practitioners were broadly classified into two groups: **Kaya-cikitsakas** (physicians), who treated diseases through medicines and therapies, and

Shalya-cikitsakas (surgeons), who specialized in surgical procedures. Sushruta belonged to the latter category and is widely regarded as the "**Father of Surgery**."

The Sushruta Samhita is a comprehensive medical treatise that describes human anatomy, surgical techniques, diagnosis, treatment methods, and medical ethics. Sushruta documented more than 300 surgical procedures and classified surgery into eight distinct categories. His work demonstrates a deep understanding of the human body and a systematic approach to medical practice.

One of Sushruta's most celebrated achievements was the development of forehead flap rhinoplasty, a technique used to reconstruct damaged or missing noses. Remarkably, this method forms the foundation of certain modern plastic surgery procedures and continues to inspire reconstructive surgeons today. The text also contains detailed descriptions of cataract surgery, treatment of fractures, drainage of abscesses, management of intestinal disorders, and surgical care of haemorrhoids and fistulae.



What makes Sushruta's approach especially scientific is his emphasis on practical training. He advised students to practice surgical techniques on fruits, vegetables, animal tissues, and other inanimate objects before operating on patients. This method of simulation and hands-on learning

resembles the training practices followed in modern medical education.

The Sushruta Samhita also provides an impressive account of surgical instruments. Sushruta described more than 121 instruments, including 101 blunt and 20 sharp tools designed for different surgical procedures. Many of these instruments bear a striking resemblance to modern surgical tools. Inspired by nature, Sushruta carefully studied the shapes of animal jaws and bird beaks to design instruments suited for precision and efficiency.

Beyond its medical value, the Sushruta Samhita stands as a testament to the spirit of observation, experimentation, and innovation that characterized ancient Indian science. It highlights how knowledge was developed through careful study, practical experience, and a commitment to improving human well-being.

Today, the legacy of Sushruta continues to inspire doctors, surgeons, and students around the world, reminding us that the roots of scientific inquiry and medical excellence run deep in India's history.

INDIAN SCIENTIST

Dr. Mylswamy Annadurai

Padma Shri awardee Dr. Mylswamy Annadurai is one of India's most celebrated space scientists and a role model for aspiring young innovators. Popularly known as the "Moon Man of India," he has played a vital role in shaping the nation's journey into deep space exploration.

Born on 2 July 1958 in the village of Kothavadi, Tamil Nadu, Dr. Annadurai joined the Indian Space Research Organisation (ISRO) and dedicated more than 36 years of service to advancing India's space programme. His most notable achievement came as the Project Director of Chandrayaan-1, India's historic first mission to the Moon, which successfully confirmed the presence of water molecules on the lunar surface. He also made significant contributions to the Mars Orbiter Mission, showcasing India's capability to undertake complex and cost-effective interplanetary missions.

As the former Director of the ISRO Satellite Centre, Dr. Annadurai led a team of over 3,000 scientists and engineers in designing and launching numerous advanced satellites that strengthened communication, weather forecasting, and Earth observation services across the country.

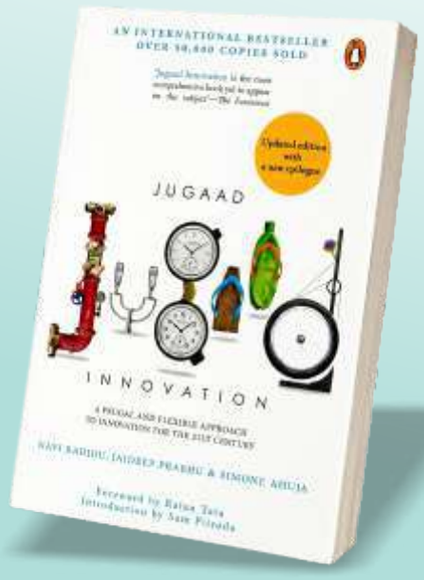
Honoured with the Padma Shri for his outstanding contributions to science and technology, he is also an accomplished author, mentor, and science communicator. Even after retirement, he actively guides students, researchers, start-ups, and entrepreneurs, inspiring them to use innovation for national progress.

From a humble village in Tamil Nadu to becoming India's "Moon Man," Dr.Mylswamy Annadurai's extraordinary journey reminds students that curiosity, determination, and hard work can truly help them reach for the stars.

A memorable milestone in Dr. Mylswamy Annadurai's association with science education was his visit to the Nehru Science Centre, Mumbai, in 2009. As the Chief Guest at the Valedictory Function of the National Science Seminar (NSS), he inspired hundreds of young science enthusiasts with his insightful address.

BOOK WORTH READING IN NSC LIBRARY

Jugaad Innovation – Thinking Smart with Limited Resources



Jugaad Innovation: A Frugal and Flexible Approach to Innovation for the 21st Century, written by Ravi Radjou, Jaideep Prabhu, and Simone Ahuja, with a foreword by Ratan Tata, is an inspiring book that redefines the meaning of innovation. Published by Random House India, it introduces the Indian concept of jugaad the art of finding creative, practical, and affordable solutions to everyday challenges.

Rather than focusing on expensive technology or sophisticated laboratories, the authors demonstrate that great ideas often emerge from limited resources and difficult situations. Through engaging real-life stories of entrepreneurs, engineers, and ordinary people from India and across the globe, the book illustrates how resourcefulness and flexibility can transform obstacles into opportunities.

The authors explain six key principles of jugaad innovation, such as seeking opportunity in adversity, doing more with less, keeping solutions simple, and embracing adaptability. These principles encourage readers to think creatively while remaining mindful of sustainability and social inclusion.

What makes the book especially appealing is its simple language and practical examples, making complex ideas accessible to readers of all ages. For students, it offers valuable lessons in problem-solving, critical thinking, and innovation skills that are essential in today's rapidly changing world. It inspires young minds to look beyond conventional methods and create solutions that are both effective and affordable.

Overall, **Jugaad Innovation** is an engaging and thought-provoking read that proves innovation is driven more by imagination and determination than by resources. It is an excellent choice for students, educators, and aspiring innovators who wish to build a smarter, more sustainable, and inclusive future.

"DID YOU KNOW?"

The Cool Secret of the MUD POT

How Does Water Stored in a Mud Pot Remain Cool?

Have you ever wondered why water stored in a traditional mud pot (earthen pot) feels naturally cool, even during the hot summer months? The secret lies in a fascinating scientific process called evaporative cooling.

Mud pots are made of porous clay containing countless tiny pores. These microscopic openings allow a small amount of water to seep through the walls of the pot and reach the outer surface. When this water comes into contact with warm air, it evaporates.

To change from liquid water into water vapour, the escaping water molecules need energy. They obtain this energy in the form of heat from the water inside the pot. As heat is removed, the temperature of the remaining water decreases, making it pleasantly cool.

Water molecules are constantly moving, but some move faster than others. The faster-moving molecules possess greater kinetic energy and are the first to escape into the air during evaporation. Their departure lowers the average energy of the remaining water molecules, which results in a drop in temperature.

The cooling effect is enhanced because the numerous pores in the mud pot provide a larger surface area for evaporation. This is similar to why coffee cools faster in a wide saucer than in a narrow cup. It is also the reason we feel cool when sweat evaporates from our skin on a windy day.

Interestingly, the water in a mud pot does not freeze. The pot continuously absorbs some heat from its surroundings, eventually reaching a balance where heat lost through evaporation equals heat gained from the environment.

This simple yet ingenious cooling method has been used for centuries, demonstrating how traditional wisdom often makes excellent use of scientific principles.

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"DID YOU KNOW?"

Why are Rain Clouds Black?

Dark Skies Ahead! Why Rain Clouds Appear Black?

Have you ever looked up at the sky before a rainstorm and noticed that the clouds seem dark grey or even black? It may look as though the clouds have changed colour, but the real reason lies in the fascinating way sunlight interacts with them.

Clouds are made up of billions of tiny water droplets and ice crystals floating in the atmosphere. Surprisingly, clouds do not have a colour of their own. Their appearance depends on how they reflect, scatter, and transmit sunlight.

Thin clouds, such as the fluffy white clouds seen on pleasant days, appear bright because sunlight can easily pass through them and scatter in all directions. The light reflected from these clouds reaches our eyes, making them look white and cheerful.

Rain clouds, however, are much thicker and denser. Clouds that bring rain such as towering storm clouds and widespread rain clouds contain enormous amounts of water droplets, ice crystals, and snow particles packed closely together. As sunlight enters these clouds, much of it is scattered, reflected, or absorbed before it can pass through. Very little light reaches the underside of the cloud.

From the ground, this lack of light makes the bottom of the cloud appear dark grey or black. In fact, the darker the cloud looks, the thicker it usually is and the more moisture it contains often a sign that rain may soon follow.

Interestingly, if you were flying above these same clouds, they would appear dazzling white because their tops reflect plenty of sunlight. So, a rain cloud can look white from above and dark from below at the very same time.

CREATIVITY

Balancing Nails

A Gravity Challenge!

Can You Balance 10 Nails on Just One Nail?

It may sound impossible, but with a clever arrangement and a little patience, you can balance a group of nails on the head of a single nail! This fun activity demonstrates the amazing concepts of balance, centre of gravity, and weight distribution.

Materials Needed

- 10 identical iron nails
- 1 wooden block
- 1 extra nail (fixed vertically into the wooden block)
- A small hammer (with adult supervision)

Steps to Make It

- Fix one nail vertically into the wooden block.
- Place one nail horizontally on a flat surface.
- Arrange the remaining nails alternately over and under the first nail, creating an interlocked pattern.
- Carefully lift the entire arrangement by the first nail.
- Gently place the lifted structure on the head of the upright nail.
- Watch as all the nails stay balanced on a single point.

What Happens?

Although the nails appear to be unstable, they remain balanced without falling. The interlocked arrangement keeps the combined weight evenly distributed, allowing the entire structure to rest securely on one nail.

Science behind It

The secret lies in the centre of gravity. When the nails are arranged correctly, their combined centre of gravity lies directly below the support point. Gravity pulls the weight downward while the balanced distribution prevents the structure from tipping over. The interlocking nails also provide stability by spreading the weight across the entire arrangement.

The same principle of balance and centre of gravity helps engineers design bridges, cranes, towers, and even tightrope-walking poles!

UPCOMING PROGRAMMES

- **World Population Day - 11.07.2026**
- **Moon Landing Day - 20.07.2026**
- **World Nature Conservation Day - 28.07.2026**
- **National Sports Day - 29.08.2026**
- **Teacher's Day - 05.09.2026**
- **Engineers Day - 15.09.2026**
- **World Ozone Day - 16.09.2026**
- **International Day of Scientific Culture - 28.09.2026**

For further details and updates

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RAIN GAUGE

Counting Every Drop of Rain

Have you ever wondered how scientists know exactly how much rain falls during a shower? The answer is a simple yet fascinating instrument called a rain gauge. It is one of the oldest and most important tools used by meteorologists, farmers, and environmental scientists to measure rainfall.

A basic rain gauge consists of a cylindrical container with a funnel at the top. When it rains, the funnel directs the water into a narrow measuring tube, preventing water from splashing out or evaporating quickly. The collected water is then measured in millimetres (mm). If a rain gauge records 10 mm of rainfall, it means that if the rainwater were spread evenly over a flat surface, it would form a layer 10 mm deep.

Modern automatic rain gauges work even more efficiently. Many use a tipping-bucket mechanism in which a tiny bucket fills with a fixed amount of water and tips over when full. Each tip is counted electronically, allowing weather stations to record rainfall continuously and send data instantly.

Rain gauges play a vital role in weather forecasting, flood warnings, agriculture, and water resource management. They help farmers decide when to irrigate crops, enable scientists to study climate patterns, and assist authorities in preparing for heavy rainfall or droughts. Though simple in design, the rain gauge provides valuable scientific information every day.

The next time you see rain falling from the sky, remember that this humble instrument is quietly helping us understand the weather and manage one of Earth's most precious natural resources water.

You can see a rain gauge installed at Nehru Science Centre, Mumbai, where it demonstrates how every drop of rain is carefully measured, turning nature's showers into valuable scientific data.

APRIL 2026 IN THE LAST QUARTER

Nehru Science Centre, Mumbai conducted a wide range of educational, outreach, and innovation-driven activities during April 2026, engaging students, teachers, and the general public.

World Autism Awareness Day

World Autism Awareness Day celebrated with 220 participants in collaboration with Svamagna Foundation, featuring renowned singer Shaan and expert panel discussions on inclusion and neurodiversity.

65th Anniversary of the First Human Spaceflight

Anniversary of the First Human Spaceflight marked with a special exhibition organized with the Russian Consulate, inspiring over 250 students through exhibits and the film To be a Cosmonaut.

Innovation Hub

Innovation Hub successfully completed its April batch with four hands-on design thinking sessions, culminating in the "My Glove" wearable innovation project and certificate distribution

APRIL 2026 IN THE LAST QUARTER

Swachhata Pakhwada (16–30 April)

Featured cleanliness drives, quizzes, film shows, slogan contests, rallies, selfie point activities, and public awareness campaigns promoting a cleaner India.



World Earth Day 2026

World Earth Day observed with a tree plantation drive (54 staff members), "Waste to Best" workshop, online quiz, environmental film show, and sustainability awareness activities.

APRIL 2026 IN THE LAST QUARTER

Summer Science Camp

Organized by Marathi Vidnyan Parishad included an engaging Liquid Nitrogen Demonstration Show for 110 students and teachers.

Cosmic Fest 2026

Cosmic Fest brought together students from across Mumbai for competitions in space telescope making, radio telescope building, and engineering design, with guidance from leading scientists and institutions.

Vacation Creative Science Workshops

Introduced young learners and families to interactive science through Science Sparkle and Science K Funday programs.

Flameless Indoor Hot Air Balloon (FIHAB 2026)

FIHAB organized with IIT Bombay, provided participants with hands-on experience in aerospace design, fabrication, and flight competition.

May 2026 IN THE LAST QUARTER

Science Discovery Day

Outreach at Lakeshore Mall, Thane (1–17 May) engaged 1,320 visitors through interactive exhibits, workshops, and Pushpin Art activities.

Innovation Hub

Launched a new batch with 17 students, covering exciting themes including Sound Exploration, Biotechnology, Magic of Chemistry, and Astronomy.

National Technology Day

Celebrated with an online popular science lecture on "Nuclear Energy and India's Energy Security" by eminent nuclear scientist Dr. M. Sai Baba.

AYSA 2026 Outreach Programme

Popular Science Lecture on Critical Thinking delivered by Director Umesh Kumar Rustagi as Chief Guest at Aspiring Young Scientist Award (AYSA) 2026 attended by 450 students and parents.

Drone Soccer Zone Inaugurated

Nehru Science Centre, Mumbai launched an exciting new Drone Soccer Zone, combining science, sports, and technology. The state-of-the-art facility offers visitors hands-on drone flying, simulator training, and thrilling aerial soccer matches, providing a unique and immersive STEM learning experience.

May 2026 IN THE LAST QUARTER

International Museum Day 2026

International Museum Day celebrated from 16–18 May with special educational programmes and public outreach initiatives promoting scientific temper and lifelong learning. Attracted 6,929 visitors with free entry, special exhibitions, Family Fiesta, quizzes, puzzle corner, and tricolour illumination of the Centre.

Adventure Science Zone

Adventure Science Zone inaugurated on 18 May 2026, introducing an exciting blend of adventure and science through interactive outdoor exhibits. Opened with thrilling new attractions including an Artificial Climbing Wall, Zip-Line Adventure, and High-Wire Sky Cycling, demonstrating real world physics concepts. The new facility transforms science learning into an active, experiential adventure, encouraging visitors to explore scientific principles through movement, challenge, and fun.

May 2026 IN THE LAST QUARTER

Vacation Creative Science Workshops 2026

Successfully conducted workshops on Robotics, AI App Development, Model Rocketry, Aero modelling, Astronomy, Chemistry, Biotechnology, Drone Soccer, Science Toys, Pottery, Art & Craft, and Science Ke Funday, engaging hundreds of young learners in experiential STEM education.





World No Tobacco Day 2026

World No Tobacco Day observed through online quizzes and a popular science lecture in collaboration with Tata Memorial Hospital, promoting awareness on nicotine and tobacco addiction through science-based public outreach.

June 2026 IN THE LAST QUARTER

World Environment Day

Nehru Science Centre celebrated World Environment Day with a Tree Appreciation Walk, Science on a Sphere Show, and a Nature Explorer Workshop, inspiring participants to appreciate biodiversity and environmental conservation through interactive learning.

Innovation Hub

The Innovation Hub conducted engaging sessions on Ecology & Environmental Science, Physics (Measurement & Units), and Art & Science. Students explored plant morphology, scientific instruments, graph plotting, cyanotype photography, pH art, and exciting chemistry

International Day of Yoga - June 21, 2026

The Centre celebrated International Day of Yoga on the theme "Yoga for Healthy Ageing", with Chair Yoga, Power Yoga, Pranayama, Yoga Dance, Common Yoga Protocol, and an online quiz, engaging nearly 600 participants.

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June 2026 IN THE LAST QUARTER

Water Conservation Workshop

An interactive workshop highlighted the importance of water conservation and encouraged participants to adopt sustainable practices for protecting this precious natural resource.

Science Birthday Celebration

A fun-filled Sci-Birthday programme welcomed 50 participants, featuring a Simulator Ride, Science on a Sphere Show, 3D Show, hands-on activities, the spectacular Liquid Nitrogen Show, and a cake-cutting ceremony.

CES Experimental Skill Test June 28, 2026

In collaboration with Bombay Association of Science Education (BASE), the Centre conducted the CES Experimental Skill Test, providing students an opportunity to demonstrate their practical skills in Physics, Chemistry, and Biology experiments.

International Asteroid Day

Nehru Science Centre, Mumbai, celebrated Asteroid Day today with an engaging and informative programme that highlighted the importance of asteroids, space science, and planetary defence. Around 35 enthusiastic participants attended the session and actively took part in the interactive activities and discussions.

NSC - A Wonderland of Science

Science Park: Full of interactive exhibits on principles of energy, mechanics, perception & relics from the past: railway engines, tram cars, aircraft, electric power generator in park spread over 8 acres in green environment with over 200 species of plants and picnic area for school groups.

Permanent Exhibitions: The main building houses galleries full of exciting, interactive & interesting exhibits on topic relevant to school curriculum and for general public to make them appreciate Science with fun.

- Reception • Science for Children • Sound & Hearing
- Mirror Gallery • Machined to Think • Evolution
- Human and Machine • Our Technology Heritage
- Prehistoric Life • Hall of Nuclear Power
- Hall of Aviation & Space

Regular Programmes / Activities

SCIENCE ODYSSEY

Notice:
The 'Science Odyssey' exhibit at Nehru Science Centre, Mumbai will remain temporarily closed for a major renovation from 1st July 2026.

Adrenaline Sci-Adventures

• ZIP Line • ZIP Bike • Wall Climbling • 360 Cycle • Human Gyro

Motion Simulator

Motion Simulator is a machine designed to provide a realistic imitation of the controls and operation of a vehicle, aircraft, or other complex systems, mainly used for training purposes. It creates the effect of being in same conditions like driving on a rough road, moving in space etc.

It gives visitors thrilling experience through 3D viewing on a 70" LED monitor. Presently it is screening the film "The Great Wall of China". Here you are guided by a crazy old man with a rocket-powered chariot. It's a 10 minutes thrilling bumpy ride! So don't miss.

Book your date for an exciting experience at Nehru Science Centre, Mumbai

High Voltage Demonstration

Nehru Science Centre, Mumbai has set up the first of its kind High Voltage Demonstration facility titled **'Sparkling High Voltage Demonstration'** which is now opened for the visitors.

This new facility offers some impressive demonstrations with a 200kV AC transformer, spectacular display of sparks & sounds with a Large TESLA Coil producing up to 1.50 million-volts and many more supporting equipments like Lichtenberg Tree Formation set-up, Jacob's Ladder, Arcing Horns, etc. wherein visitors can see disruptive discharges through air, sliding discharges over a glass plate, the demonstration with Faraday's cage, artificially generated lightning, etc.

Science on a Sphere

The state-of-the-art educational visualisation tool patented by the National Oceanic and Atmospheric Administration (NOAA), USA, is the first of its own kind in the western part of India. The **Science On a Sphere** provides real time atmospheric and climatic data that is projected on the 1.8 metre Spherical globe. The giant animated sphere appears to be floating in mid-air, and even rotating on its axis. You can see oceans & continents in their actual colours (just as our planet appears from outer space), Tropical rain forests, Currents of the oceans in motion, Moon, Jupiter and Mars. This amazing, cutting-edge technology, the SOS, was invented by NOAA to educate the audience on earth and space systems in a three-dimensional format. This technology is now available worldwide for science centres, museums, educational institutes etc.

3D Science Show

The visitors to the 3D Science Show will experience an out of the world immersive experience in which the near realistic visuals will appear to come out from the static screen right in front of their eyes. The shows would be conducted every hour at the Centre for the general public & school groups.

Science Show

Exciting science demonstrations on Air, Sound, Chemistry is Fun and Fun with Physics etc. are organized regularly at the Centre thrice a day.

Sky Observation Programme

Every Saturday & Sunday after Sunset
(Weather permitting)

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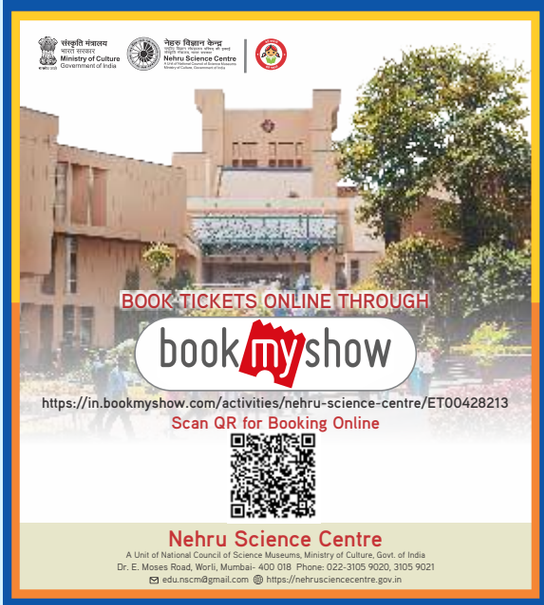


Timing

Nehru Science Centre is open to public every day including Sundays and public holidays throughout the year

Opening hours:
09.30 AM to 06.00 PM

Ticket Counter Timing:
09.30 AM to 05.30 PM

Closed on Holi & Diwali.

You can book online
Entry Ticket to
Nehru Science Centre
https://nscm.in/general-ticket/

Follow the Steps:

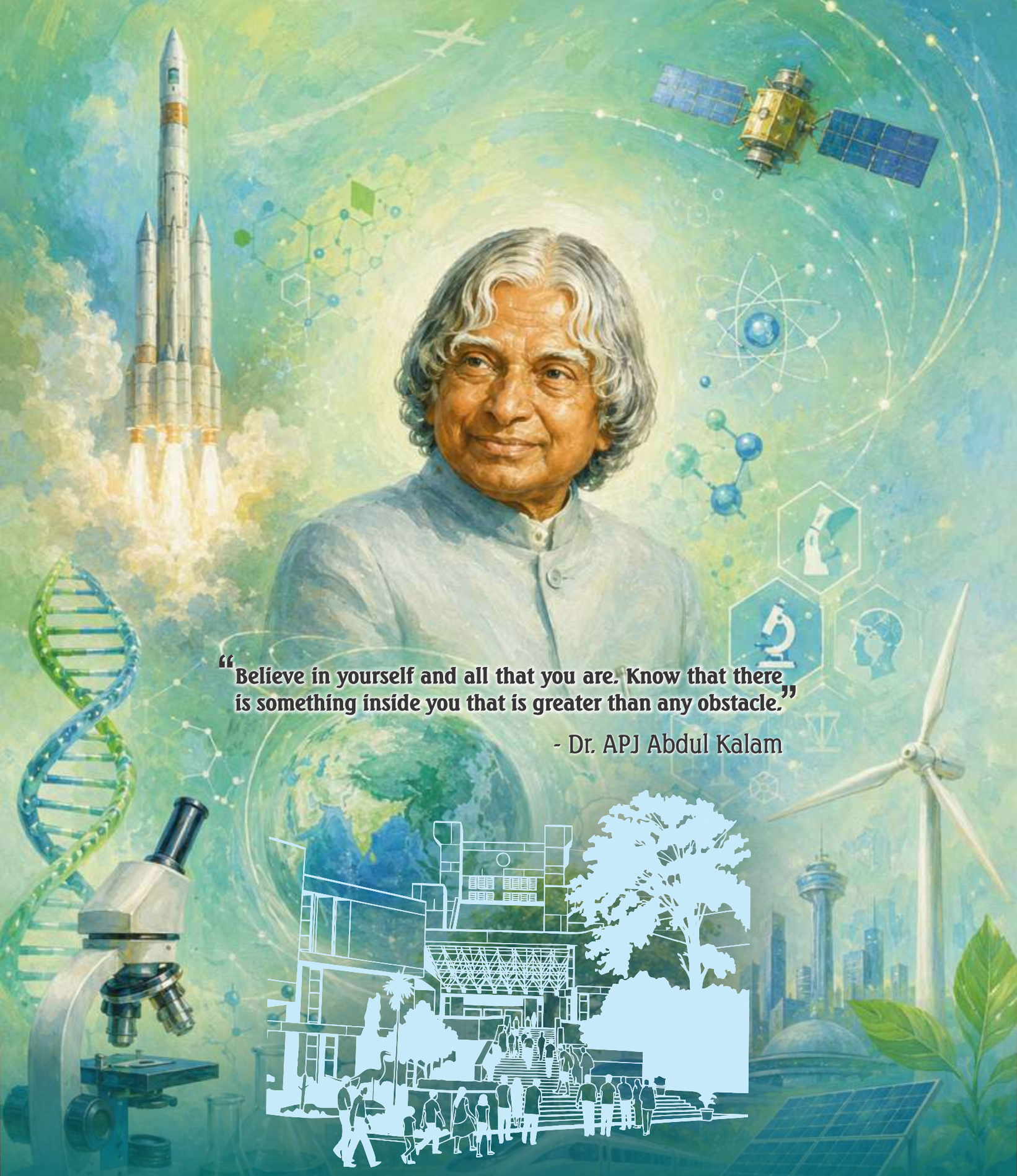
1. Book your ticket
2. Go to Cart and confirm it is of correct type
3. Go to Checkout and pay using Net Banking, Credit Card, Debit Card or UPI app

Book Online

Entry fee per visitor to Science Centre & its special facilities.

Particulars	Amount
Entry Ticket to Science Centre Only	
• General Visitors	₹ 100/-
• Group of Visitors (15 or more)	₹ 80/-
• Students in organised group with authority letter	₹ 40/-
• Students from Govt./Municipal Schools with authority letter	₹ 20/-
• BPL card holders on producing the card	₹ 5/-
Entry Ticket ONLY to Science Park - General Visitors	₹ 50/-
Special shows - Science Odyssey (The 'Science Odyssey' exhibit at Nehru Science Centre, Mumbai will remain temporarily closed for a major renovation from 1st July 2026; however, visitors can now experience our newly launched Outdoor Sci-Adventure Zone along with all other galleries and shows.)	
Adrenaline Sci-Adventures • ZIP Line • ZIP Bike • Wall Climbling • 360 Cycle • Human Gyro	₹ 100/- each
3D Science Show / Science on Sphere	
• General visitors	₹ 50/-
• Group of Visitors (15 or more)	₹ 40/-
• Students in organised group with authority letter	₹ 25/-
• Students from Govt./Municipal Schools with authority letter	₹ 10/-
Science Film Show / Science Demonstration Lecture (on prior booking)	₹ 10/-
Package ticket for Science Centre & Science Odyssey	
• General visitors	₹ 170/-
• Group of Visitors (15 or more)	₹ 140/-
• Students in organised group with authority letter (Non-Member Schools)	₹ 80/-
• Students in organised group with authority letter (Member Schools)	₹ 50/-
• Students from Govt./Municipal Schools with authority letter	₹ 25/-
Special Packages	
(Science Centre, Sparkling High Voltage, 3D show & SOS show)	
• Science Centre, 3D show & SOS show for General visitors	₹ 200/-
• Group of Visitors (15 or more)	₹ 150/-
(Science Centre, Science Odyssey, Sparkling High Voltage, 3D show & SOS show)	
• General visitors	₹ 250/-
• Group of Visitors (15 or more)	₹ 200/-
• Students in organised group with authority letter (Non-Member Schools)	₹ 130/-
• Students in organised group with authority letter (Member Schools)	₹ 90/-
• Students from Govt./Municipal Schools with authority letter	₹ 40/-
Family Packages	
• General visitors	₹ 300/-
• Group of Visitors (15 or more)	₹ 250/-
Science Centre, Science Odyssey, Sparkling High Voltage, 3D show, SOS show & Motion Simulator Ride.	
• Family of 4 members	₹ 1000/-
• Family of 6 members	₹ 1500/-
(Buy Family Ticket to Save & have lot of FUN)	
Parking Charges	
2 Wheeler	₹ 40/-
4 Wheeler	₹ 80/-
Bus	₹ 120/-

Free Entry only to Science Centre :
Children up to 3.4 feet (102 cm) of height
Defense & Paramilitary forces in uniform
Physically challenged persons and ICOM members
For other facilities visitors have to pay specified fee as per the category.



Nehru Science Centre

A Unit of National Council of Science Museums,
Ministry of Culture, Govt. of India
Dr. E. Moses Road, Worli, Mumbai- 400 018

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