

BUZZER

e-newsletter

**WE'RE
OPEN**

Get your tickets Now!

Message from the Desk

Dear Readers

I am glad to inform you that Science City has reopened for visitors w.e.f June 16, 2021 after closure on March 26, 2021 due to unprecedented conditions arising on account of COVID second wave and Government guidelines.

The COVID-19 crisis has forced education systems worldwide to find alternatives to face-to-face interaction. As a result, online teaching and learning have been used on an unprecedented scale. When the entire country was under lockdown and you could not reach us, we found a way to connect with you, i.e, through our online activities (webinars, science camps, trainings/workshops, etc). We organized 34 online events (webinars and science camps) in the quarter involving participation of 3391 people (students and general public). The past quarter witnessed some exclusive events like, International Museum day on May 18 & 19, wherein, for the first time we provided virtual visit of Science City to our science enthusiasts. Over 500 children enjoyed the virtual experience of Science City. A special on-line Science Camp on "Deadliest Human Viruses" was organized for 240 students from Himachal Pradesh sponsored by Himachal Pradesh Council of Science, Technology & Environment (HIMCOSTE). Various competitions were organized involving participation of students from PAN India. Some of the important days organized were: World Environment Day, International Biodiversity Day, World Health Day, World Earth Day, IPR Day, Yoga Day, etc.

Dear Readers, I would like to extend an invite to you to visit Science City. I would like you to know that our team has worked hard to create COVID-safe fun experiences. As always, we are trusting science. When it comes to COVID-19, science tells us to keep our distance and minimize contact—which means mandatory face masks, limited capacity and other physical distancing measures. There is special attention paid to highly trafficked areas and high-touch surfaces throughout the campus and its exhibits and we have switched over from touch buttons to sensor based buttons wherever possible. We also have hand sanitizer stations readily available throughout the building. We are doing all we can to create a fun and safe environment for you but, we know you'll agree, everyone has a responsibility for their safety and safety of others. We would therefore ask that all visitors follow the advice and procedures we have put in place to ensure that Science City is safe for both guests and staff now and in the future. Please do not forget to wear your mask. Just in case you have forgotten, we have mask vending station. Visitors above 18, please carry Vaccination certificate in pocket or in your mobile.

Dr Neelima Jerath
Director General



World Environment Day-2021

- *Launch of SD-ASK*
- *Panel Discussion*
- *Film Festival*
- *Quiz Competition*

World Environment Day was organized jointly with Punjab Pollution Control Board in collaboration with United Nation Environment Programme (UNEP) and Centre for Environment Communication (CEC). Following Activities were organized from June 2-5, 2021 to celebrate WED 2021.

02.06.2021: **Quiz on Nature, Environment and Sustainable Development.**

Mr. Saurabh Gupta, IFS, Director, Directorate of Environment and Climate Change, GoP was the Chief Guest. The quiz was conducted by Quiz Masters – Ms. Puja Ahluwalia and Ms. Shabnam Sharma from The Deen's Academy, Bangalore. 238 participants registered, out of which 111 participants were selected for participation in the Quiz competition as per guidelines. Five innovative rounds were conducted to select the winners.



03.06.2021: For the first time PGSC organized an online film festival which was launched by our Chief

Guest, Dr. S. S. Marwaha, Chairman, Punjab Pollution Control Board. "A Second Hand Life" (English) (by Mr. Nutan Manmohan, Filmmaker) was screened.

The audience interacted with Mr. Piyush Sharma, Editor of the film. The event was attended by 524 participants.



04.06.2021: Screening of Film "Endemic Species Conservation" (English) (by Mr. Prakash Matada, Filmmaker) and "Flight to Freedom – The Amur Falcon Story" (English) – (by Ms. Rita Banerji and Ms. Shilpi Sharma) was organized. Special Guest was Dr. R.B.S. Rawat, IFS, Former PCFF and HoFF, Uttarakhand. The audience interacted with Mr. Ram Alluri, Filmmaker and Ms. Bano Haralu, an actor in the film.



Launch of SD-ASK (Sustainable Development-Attitude, Skills and Knowledge) program:

To strengthen its efforts to communicate information on Sustainable Development Goals, an innovative program titled 'SD-ASK' was launched by PGSC to motivate children and youth for positive action on SDGs. The program will be undertaken in partnership with the SDG Coordination Centre of UNDP. The program was launched by Mr. Vikas Verma, Regional Head, UNDP on World Environment Day 2021. It will address Eight of the 17 Sustainable Development Goals and will organize at least one activity every fortnight involving students in the form of Activity in field or lab, Quiz / Competition, use of performing arts / films in sharing best practices, meeting experts / role models, webinars / seminars, innovative idea collection and assessments for addressing local societal issues, use of disruptive technologies to achieve SDGs, etc.

05.06.2021: Screening of Film “Eco Grants: Incubating Youth Ideas” (English), a program organized by Ms Alka Tomar, President Centre for Environment Communication (CEC), New Delhi. The participants interacted with Ms. Kunjpreet Arora, Eco Grantee and other Eco grantees.



Ms. Alka Tomar, President CEC

Panel Discussion: A panel discussion on “Ecosystem Restoration to Achieve SDG Targets” was organized at the occasion which was chaired by **Regional Head, UNDP, Dr. Vikas Verma**, representative of United Nations University-CRIS, Belgium, Dr. Nidhi Nagabhatla and Member Secretary, Punjab Pollution Control Board, Er. Krunesh Garg. The panel discussion was moderated by Director, General, Pushpa Gujral Science City, Dr. Neelima Jerath.

"17 SDGs had been identified by the UN and a National Campaign could be used as a powerful catalyst to involve the society in making a difference towards a healthy, prosperous and sustainable future."

Mr. Vikas Verma, Regional Head, UNDP



"5% of India's total geographical area was undergoing desertification while 32% was facing degradation that has affected its productivity, critically affecting the livelihood and food security of millions across the country."

Dr. Neelima Jerath, Director General, Science City

"Eco-friendly practices could help to stop global warming and conserve soil for good agricultural productivity. Climate Change mitigation and adaptation programs needed to be adopted."

Dr. Nidhi Nagabhatla, UNU-CRIS Belgium



"Stubble burning had adverse environmental implications in terms of climate change, health costs, as well as, disruptions in economic activities in the affected regions and needs to be curbed for which concerted action was being taken by the government."

Er. Krunesh Garg, Member Secretary, Punjab Pollution Control Board

APRIL COOL DAY

PGSC organized a competition titled 'Turn APRIL FOOL'S DAY into APRIL COOL DAY' on April 1, 2021. Participants were asked to Plant a Tree and upload their picture on www.pgsciencecity.org. The best entries were displayed at PGSC's website. The Top Five entries were given FREE package ticket to Science City.





WORLD ENVIRONMENT DAY FILM FESTIVAL
 #Theme: Ecosystem Restoration
 June 05, 2021, Saturday
 Release of Book on 'Preventing Pandemics: Why Biodiversity Matters' and Launch of SD ASK Programme
 Panel Discussion on Ecosystem Restoration to Achieve SDG Targets
 Esteemed Panelists & Moderators

 Regional Head, IISD India Office	 Member, Secretary, PCCB	 UN-CHO, Public Safety Specialist
 Faculty, Poonam Singh, Gurukul Kangri, Haridwar, Uttarakhand	 Faculty, Centre for Environment Communication	 Faculty, Poonam Singh, Gurukul Kangri, Haridwar, Uttarakhand

More details: <https://www.pgscc.gov.in/Portals/0/WorldEnvironmentDay2021.pdf>

WORLD ENVIRONMENT DAY FILM FESTIVAL
 #Theme: Ecosystem Restoration
 June 05, 2021, Saturday
ECO Grants: Incubating Youth Ideas
 English, 21:00, PVR Nest, Plan India and C4F

MEET OUR TEN INNOVATIVE GREEN SOLUTIONS

In Conversation with: **Kunpreet Arora, ECO Grantee**



WORLD ENVIRONMENT DAY FILM FESTIVAL
 #Theme: Ecosystem Restoration
 June 04, 2021, Friday
Endemic Species Conservation
 English, 11:42, Prakash Matada for CEPP and ATRF

Endemic Species Conservation

In Conversation with: **Ram Akur, Filmmaker**

WORLD ENVIRONMENT DAY FILM FESTIVAL
 #Theme: Ecosystem Restoration
 June 03, 2021, Thursday
A Tamed Wild Life
 English, 21:20, PVR Nest and C4F

In Conversation with: **Parag Datta, Filmmaker**

WORLD ENVIRONMENT DAY FILM FESTIVAL
 #Theme: Ecosystem Restoration
 June 02, 2021, Wednesday
Preventing Pandemics: Why Biodiversity Matters
 English, 11:42, PVR Nest and C4F

In Conversation with: **Dr. Suresh Kumar, IISD India Office**

WORLD ENVIRONMENT DAY FILM FESTIVAL
 #Theme: Ecosystem Restoration
 June 01, 2021, Tuesday
Preventing Pandemics: Why Biodiversity Matters
 English, 11:42, PVR Nest and C4F

In Conversation with: **Dr. Suresh Kumar, IISD India Office**

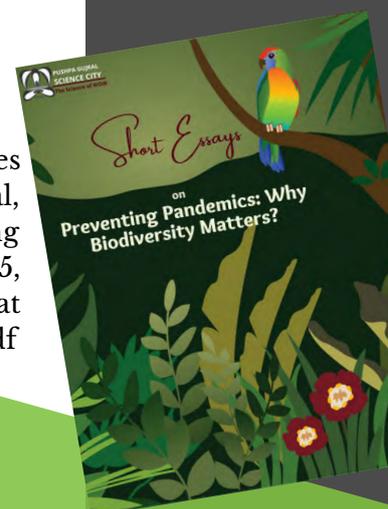
World Environment Day 2021

Biodiversity week celebrated

The International Day for Biological Diversity is celebrated each year on May 22. 'We're part of the solution' was the theme for this year. Pushpa Gujral Science City organized a series of webinars (May 20 - May 22) at the occasion of International Biodiversity Day 2021. Besides, an essay writing competition was also organized for the students involving participation of 188 students.

- Webinar on '**Diversity in Moths and Butterflies and their role in Ecosystem**' was the first webinar of the series organized on May 20. Dr. H.S Rose, **Former Pro Chancellor, Guru Kashi University, Talwandi Sabo** was the resource person. Dr Rose said, "Butterflies and moths have a lot of diversity and play a very important role in our ecosystem, act as a pollinator, a food source and an indicator of the ecosystem's wellbeing, whereas quite a good number of moth species are pests of various agricultural and horticultural crops." The event was attended by 300 participants.
- Webinar on '**Saving the Asian Vulture**' was organized on May 21. **Dr. Munir Virani, Executive Vice President at The Peregrine Fund -World Center for Birds of Prey (From USA)** was the key speaker at the occasion. Dr. Virani said, "Seven species of vultures make up the New World vultures that are found throughout the Americas. The Old World vultures found in Africa, Asia and Europe are made up of 16 different species and closely related to eagles, kites and hawks, of which nine species of vultures are found in India. Most of these species are endangered and are at the verge of extinction due to rapid and major population collapse in recent decades."
- Webinar on '**Medicinal Plant Diversity and natural remedies for COVID**' was organized on May 22. **Dr. Sudhir Kumar Mahotra, Conservationist & Physician consultant, Pathankot, Retd. District Ayurveda Office and Hon. Wildlife Warden** was the speaker. Dr Mahotra said, "There are many medicinal plants indigenous to India and used in the Indian Systems of Medicine which have been reported as potent antiviral with immunomodulatory and anti-allergic/anti asthmatic activities. Many of these medicinal plants are also an integral part of several traditional formulations that have been in use for a long time."
- **Essay Writing Competition**
Theme: Preventing Pandemics: Why Biodiversity Matters?

The competition got an overwhelming response from students. 185 entries from 33 Schools from PAN India (states like, Kerala, Maharashtra, West Bengal, Andhra Pradesh and Utrakhand, etc) were received. The result of Essay Writing Competition was declared on the occasion of World Environment Day on June 5, 2021 and e-book of selected essays was released. The e-book can be accessed at <http://www.pgsciencecity.org/assets/website/pdf/e%20book%20short%20essays.pdf>



Webinar on 'Industry and Access & Benefit Sharing(ABS) provisions under the Biological Diversity Act'

The webinar was organized in collaboration with Confederation of Indian Industry (CII) and was supported by Punjab Bio-Diversity Board and National Biodiversity Authority. It was attended by about 300 industrialists, experts, researchers, Biology students and teachers from across the country.

"ABS could become a powerful tool to achieve the objectives of conservation and sustainable use of bio-resources and its adoption could lead communities towards the path of sustainable growth. India was a world leader in enacting and implementing the Biological Diversity Act and countries were looking up to us for implementing the ABS mechanism also"

Dr.V.B Mathur, Chairman, National Biodiversity Authority



"The way in which genetic resources are accessed, and how the benefits of their use are shared, could create incentives for their conservation and sustainable use, and contribute to the creation of a fairer and more equitable economy to support sustainable development."

Bhavdeep Sardana, Eminent industrialist & Chairman, CII Punjab



"Several industries were now coming forward voluntarily to implement ABS Guidelines and their achievements needed to be acknowledged, appreciated and emulated. Such industries could become Role Models for their counterparts. The misconceptions on ABS need to be removed."

Sh. J Justin Mohan, IFS, Secretary, National Biodiversity Authority



"The emergence of COVID-19 has underscored the fact that when we destroy biodiversity we destroy the system that supports human life. Nature is sending us a message which we need to decode and take collective action."

Dr. Neelima Jerath, Director General, Pushpa Gujral Science City



"Protecting nature supports global economy, creates jobs and protects livelihoods. An investment of 1\$ in conservation can yield a return of 9\$. Access & Benefit Sharing is therefore, integral to the sustainability of Bio-resource based industry."

Dr. Geetha Nayak, GIZ



"The aim of ABS is to enable fair distribution of benefits between the users and providers so as to open the doors for innovation, as well as, create incentives for conservation. Therefore, access to genetic resources in general, and benefit-sharing from that access, is a key to sustainable development."

Mr. Sanjay Kumar, Country Manager, Valagro Biosciences, Hyderabad, Recipient 'India Biodiversity Award 2021' in the 'ABS category'



"The Punjab Biodiversity Board is contacting Bioresource based industries in Punjab to promote ABS."

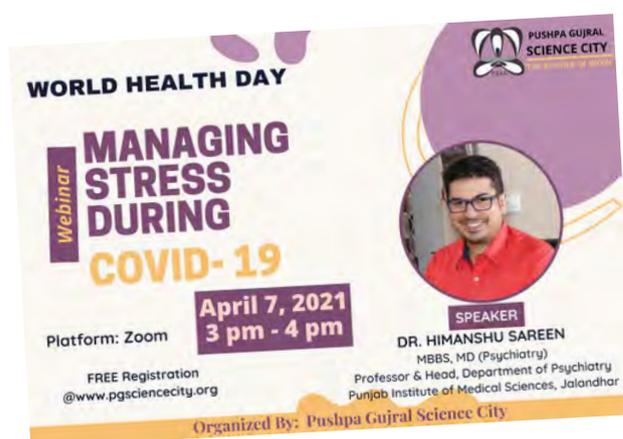
Dr. Jatinder Kaur Arora
Member Secretary, Punjab Biodiversity Board



Eat healthy, exercise regularly and evade paranoia: World Health Day celebrated

Pushpa Gujral Science City celebrated World Health Day by organizing a webinar on “Managing Stress during Covid-19”. Around 200 students and teachers from all over Punjab participated through virtual mode. Dr. Himanshu Sareen, Professor and Head, Department of Psychiatry, Punjab Institute of Medical Science, Jalandhar was the key speaker at this occasion. Delivering a talk, he said that stress should not be seen in isolation but in relation to how the event is perceived, available social support and coping capabilities. A person with good support and coping ability is less likely to have harmful

effect when faced with stressful situations whereas a person can easily breakdown even when the stress is not very severe if one has poor stress managing ability. He urged the participants to eat healthy, exercise regularly and evade paranoia. Speaking at the occasion,



Our Winners

International Biodiversity Day Essay Writing Competition

1st Prize: Aarushi from Cambridge International School for Girls, Urban Estate Phase II, Jalandhar

2nd Prize: Manmeet Kaur from DRV DAV Centenary Public School, Phillaur, Jalandhar

3rd Prize: Anik Panda from Kendriya Vidyalaya No. 2, Nausenabaugh, Visakhapatnam

Appreciations

Suchreet Kaur from Delhi Public School, Patiala

Namya Joshi from Sat Paul Mittal School, Ludhiana

Kashish Singla from Delhi Public School, Patiala

Yashkaran Rattu from DSSD School, Sodal Road, Jalandhar

Venus Thapa from Army Public School, Clement Town, Dehradun

Rakhi Dhapolra from Army Public School, Clement Town, Dehradun

Aayush Kumar Jha from Sri Krishna Public School, Jamshedpur

APRIL COOL DAY

Best Five Entries

- Sukhneet Kaur Garcha, SPPS, Begowal
- Staff, GSSS Kartarpur (Amla), Jalandhar
- Jashneet Kaur, DIPS, Rayya
- Balwant Kaur, Govt. School, Bashesharpur, Jalandhar
- Vishal, G.S.S.S. Gandhi Camp, Jalandhar

Earth Day observed

Earth Day is celebrated on April 22 every year. The day marks the anniversary of the birth of the modern environmental movement in 1970. The theme for World Earth Day-2021 was "Restore Our Earth". It focused on adopting natural processes and emerging eco-friendly technologies that can restore ecosystems. Dr. Vinayak Sinha, Associate Professor, Department of Earth and Environment Sciences, IISER, Mohali was the key speaker at this occasion. Delivering a talk at the occasion, he demonstrated the basic concepts of atmospheric chemistry and air quality. He informed that combination of emission sources, atmospheric chemistry and meteorological conditions can collectively drive adverse air quality. Further, research conducted by the atmospheric observatory setup at IISER, Mohali was helpful to identify and quantify the fire emissions and air pollution in North India caused due to stubble burning," he added. Around 175 students from all over Punjab participated in the program through virtual mode.



World DNA Day

Pushpa Gujral Science City organized a webinar at the occasion of World DNA Day to mark the discovery of the double helix structure of deoxyribonucleic acid (DNA) by James Watson and Francis Crick in 1953. Dr. Sanjay Kumar, Director, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh was the key speaker at the occasion. Delivering his talk on "DNA: The molecule of life" said that DNA is a type of chemical code that contains instructions; known as genes, for how the body and all its different parts grow, develop, function, and maintain themselves. The discovery of DNA has radically changed the way we breed and utilise crops and the means by which we recognize and protect our plant biodiversity.

It has accelerated our ability to breed crops with desirable traits such as disease resistance, cold and drought tolerance. Further, Human Genome Project -an international research project that accurately determined the sequence of 3 billion nucleotide base pairs and mapping of all the genes found in the human genome has enabled to search for genes linked to different types of disease, understand inherited disorders and their treatment, he added.

WEBINAR

World DNA Day

April 25, 4 pm - 5 pm

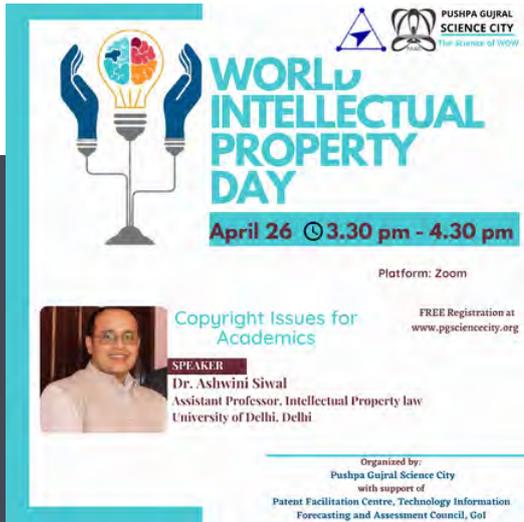
DNA - The molecule of life

SPEAKER
 Dr. Sanjay Kumar
 Director, CSIR-Institute of Himalayan Bioresource Technology (IHBT), Palampur, H.P.

Platform: Zoom

FREE Registration at
www.pgsciencecity.org

Organized by:
 Pushpa Gujral Science City
 &
 CSIR-Institute of Himalayan Bioresource Technology (IHBT), Palampur, H.P.



World Intellectual Property Day

World Intellectual Property Day is observed annually on 26 April. The event was established by the World Intellectual Property Organization (WIPO) in 2000 to "raise awareness of how patents, copyright, trademarks and designs impact on daily life" and "to celebrate creativity, and the contribution made by creators and innovators to the development of societies across the globe". Dr. Ashwini Siwal from University of Delhi, Faculty of Law, an expert in copyrightsspoke to youth on issues related to copyright and plagiarism. These issues have become important in the internet era when a wealth of information is easily available to students and the cut-paste culture has become prevalent.

Webinar on Teachings of the Guru: Science & Innovative Thinking

400th Birth Anniversary of Guru Teg Bahadur Ji celebrated



The world is celebrating the 400th Birth Anniversary of Guru Teg Bahadur Ji. To mark the beginning of commemoration, Pushpa Gujral Science City organized a webinar on "Teachings of the Guru: Science & Innovative thinking". Around 150 students participated in the webinar. Mr. Harjinder Singh Cheema, Managing Director, Cheema Boilers Limited was the expert speaker at this occasion. He said that he was deeply influenced by the Guru's teachings of devotion, courage and integrity and that for the society to develop, innovative thinking and entrepreneurial spirit was the need of the day. The youth needed to follow the high values put forth by our Gurus and work hard to provide solutions to societal problems through use of Science & Technology. Only innovations could lead us to the path of sustainable development and the youth should aspire to become job providers instead of job seekers. He exhorted the youth to follow Guru Sahib's teachings and cultivate traits of self-confidence, commitment, courage, and communication skills to be successful in life and shared some of his innovations with the participants. He also demonstrated his innovation on fuel efficient cremation system developed with IIT Ropar during the COVID 19 pandemic to facilitate mass cremations.



Science, Technology and Innovation play crucial role in growth:

National Technology Day celebrated



Pushpa Gujral Science City celebrated National Technology Day by organizing a webinar on "Invention and Innovations: Flexible Engineering Materials". Around 150 engineering college students from all over Punjab participated through virtual mode. Dr. Kushal Sen, Professor, Department of Textile Technology, IIT Delhi was the key speaker on this occasion. He said that, Science, Technology & Innovation plays a very important role in the growth of the national economy and to improve its

efficiency. Inventions do not happen every day, the innovations however may. Innovation can be a new approach to a problem, a change in behavior, or a new way of using existing resources. Further, he said that, fibres are beautiful flexible materials which can be engineered to produce highly attractive and useful products. Fibres possess unique characteristics and can be modified to introduce various functional properties as well which can be used to create various innovative products at scales varying from macro, to micro, or to nano levels.

Digital Push helped achieve development goals amid COVID:

World Telecom Day celebrated

World Telecommunication and Information Society Day (WTISD) is observed every year on May 17 to raise awareness about the possibilities of the use of the internet and other information and communication technologies (ICT) in bringing societies and economies together by bridging the digital divide. A webinar on differentiating features of “5G” technology was organized on World Telecom day. Around 150 Engineering college students from all over Punjab participated through virtual mode. The theme for this year on World Telecom Day was “Accelerating Digital Transformation in challenging times”. Dr. Swades De, Professor, Department of Electrical Engineering, IIT Delhi was the key speaker at this occasion. During his talk, he said that 5G network is regarded as the most significant jump in the history of wireless communication due to its differentiating features like cost & energy efficiency, hyper fast, low latency and reliability. He gave an overview of edge computing in smart IoT, energy sustainability, green communication and network coexistence.



National Dengue Day

Webinar on “Strategies to prevent Dengue epidemic during Covid-19 pandemic”



May 16 is observed as the National Dengue Day in India. The World Health Organization has acknowledged the growing prominence of dengue infections across the world in the past decade. Pushpa Gujral Science City celebrated National Dengue Day on May 16 by organizing webinar on “Strategies to prevent Dengue epidemic during Covid-19 pandemic”. Around 200 students, teachers, doctors and nurses from all over Punjab participated through virtual mode. Dr. Kulbir Kaur, Director Principal, Punjab Institute of Medical Science, Jalandhar was key speaker at the occasion. She said we are already in the grip of a second wave of covid pandemic which was putting immense pressure on our health care facilities and if we face another epidemic of dengue, it would have devastating consequences and could lead to collapse of the health system, she added.

Workshop on Sensor Guided Robotics:

Innovation Hub, Science City in collaboration with National Council of Science Museums organized two days workshop (23.06.2021 and 24.06.2021) on Robotics exclusively for girls. More than 50 girl students from all over Punjab participated in the workshop.

Dr. Neelima Jerath, Director General Science City giving introductory remarks at the occasion said that

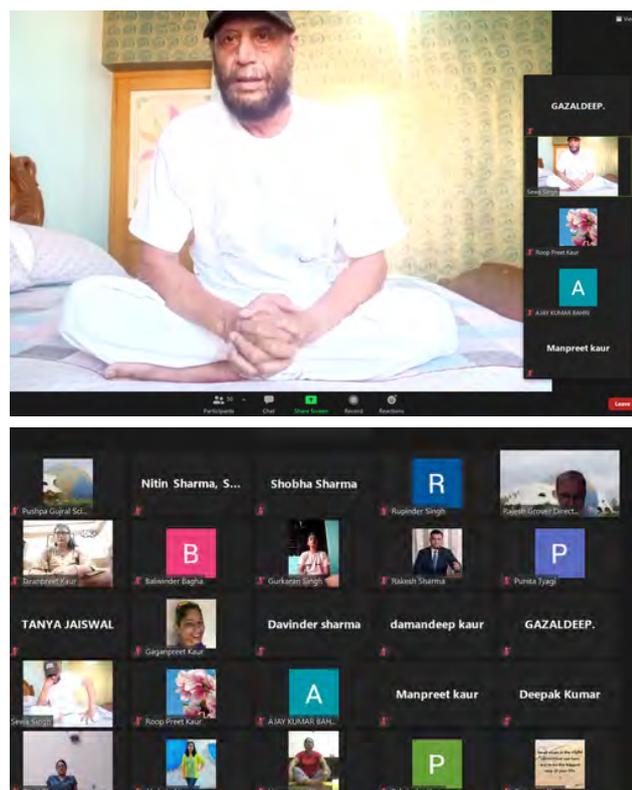
Robotics is one of the most innovative and promising technologies that is going to find its place in almost all the applications of the future. Further, workshops serve as an effective platform for the

school and college girl students to take their first step in robotics. She also emphasized on the need to promote girl students in the field of Robotics. Er. Vishal Sharma, Chief Mentor, Innovation Hub was the resource person at the occasion. The students learnt about the Assembling and programming of the Robots, building their own circuit designs of the robot through virtual software during the workshop.



International Yoga Day (June 21, 2021)

Pushpa Gujral Science City celebrated International Yoga Day by organizing a two days online workshop. Expert Yoga practitioner, Col. Sewa Singh was the resource person at this occasion. The main objective of the program was to learn a holistic approach to health and well-being of our body, mind, and spirit simultaneously. The workshop started with warming up and stretching followed by Asanas including a series of Padmasanas, Sukhasana, Tadasana, Bhujang Asana and ended with Shavasana. Col Singh emphasized on performing Asanas regularly for 5 to 10 minutes daily for a happy and stress free life.





Online Science Camps

Learn Advanced Excel (May 31-June 1)

The training covered excel basics, formulas, essentials, Data analysis, charting, pivot table, etc.

Model Rocketry (02.06.2021 -03.06.2021)

A two-day training on Model Rocketry was organized. The topics covered were: Introduction to rocketry, Basic model Rocketry Building and the science of Model Rocketry.

Super Fun: Kids Science Experiments (04.06.2021-05.06.2021)

The cool thing about science is that it describes what's happening all around us, all the time. Sometimes, though, we find it hard to connect what we know about science to the real world. Easy science experiments that can be done at home, with everyday household items were demonstrated in the training.

World of Microorganism (06.06.2021-07.06.2021)

Microscopic organisms, commonly known as microorganisms or microbes, are found all around us and even inside our bodies. During the training the participants explored some

major divisions within microorganisms, and highlighted some interesting facts and differences within each group.

Fun with Accelerometer, Sensors using Arduino (08.06.2021-09.06.2021)

During the training the students learnt about Arduino Interfacing with Accelerometer Sensor.

Science behind Miracles (10.06.2021-11.06.2021)

The training was organized with the objective to inculcate scientific temper, develop rational thinking, and dispel prevailing superstitions in our day to day life so as to develop a knowledge based society.

Basics of AutoCAD Designing (12.06.2021-14.06.2021)

The Training aimed at providing an insight to the basics of design and modeling of the machine component in 3- d view, co-ordinate system, basic design tools, 3-d design tools, creating parts, provide dimensions & features to the parts and finally assembling of the parts. The highlights of the training were: Introduction to Auto cad, Basic design tools, 3-D Design tools, Operating coordinate systems, Basic 3-d design, Creating parts, Dimensioning, Assembling of the parts and Design sheet.



Nature Camp (21.06.2021-24.06.2021)

The training covered topics like, Ecology and ecosystem, energy flow and ecosystem, Natural resources and their conservation, nutrient cycle, Environmental Pollution(air,water,soil,etc.), Global Environmental Issues, Biodiversity and its conservation, solid waste management, Sustainable development, environmental impact assessment, environment, constitution of India and Environmental Laws.

Science Toys Making Workshop (25.06.2021-26.06.2021)

The participants were demonstrated exciting science experiments and toys that you can easily make at home.

Food Adulteration Workshop (27.06.2021-28.06.2021)

The aim of the workshop was to raise awareness about food adulteration. The participants were demonstrated how to find the contaminants and harmful content in the edibles with simple tests at home.

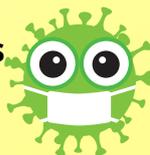
Learn to Code: Scratch Programming (29.06.2021-30.06.2021)

This two day training was organized to get the participants started with code. Using visual programming tools such as Scratch, the participants were taught the fundamentals behind coding, and how they can write their own apps and games.

Artificial Intelligence (15.06.2021-16.06.2021)

Artificial intelligence is a technology that is already impacting how users interact with, and are affected by the Internet. In the near future, its impact is likely to only continue to grow. The participants learned How Artificial Intelligence Works & How It Is Used. The training covered all the basics of the technology behind AI, key considerations and challenges surrounding the technology,

Deadliest Human Viruses (17.06.2021-18.06.2021)



The participants were introduced to some of the deadliest viruses, how they were first discovered and how they are detected, detailed steps of viral replication and how vaccines are used in prevention and treatment of viral diseases.

Amazing Candle Science (19.06.2021-20.06.2021)

During the training interesting experiments like, Oxygen Required For Burning, Rise in water, Crushing of Bottles, Which candle goes off First?, Candle burning under water in Bowl, Air convection, Light candle by smoke, See Saw, etc were taken up.

Bookings

Ticket	Discounted Children /Student/Teacher	Adult	Family (2 Adult + 2 Children)
Entry Ticket	105*	155*	470**
Package Ticket(Entry to galleries, Large Format Theatre or Digital Planetarium, Laser Show,3D Show, Climate Change Theatre)	265 *	355*	1120**
Package Ticket > 25 Group	255*	345*	1070**
Complete Package Ticket [Digital Planetarium or Large Format Film(Any one), Flight Simulator, Earth Quake Simulator, Laser Show, 3D Show, Climate Change Theatre, Galleries& Exhibits]	305*	425*	1320**
Complete Package Ticket > 25 Group	285*	405*	1270**

Discounts

Minimum 500 students	10% on prevailing ticket rates
Between 501 and 1000 students	12.5% on prevailing ticket rates
Above 1000 students	15% on prevailing ticket rates

Note: *includes Food coupon worth Rs 20/-

**** includes food coupon of Rs.80/-**

Annual Ticket Charges

You can visit PGSC any no. of time within one year of purchase of Annual Ticket. The cost of ticket is recovered in less than three visits. The Annual ticket rates are:

Student / Teacher: Rs 570/-

Adults: Rs 820/-

Orphans/ Handicapped / BPL Students: 290/-

Family (2 Adults + 2 Children (<18 yrs)): Rs 2500/-

Senior Citizens / Handicapped / BPL Adult member: 415/-

To know about membership benefits, please contact:

Dr. Munish Soin, Scientist C; M: 8146580387

HOSTEL FACILITY FOR STUDENTS/TEACHERS

AC accommodation for 100 students and 10 teachers is available. Separate arrangement for boys and girls.

Stay charges: Rs 150/- per person (Food charges extra).For hostel booking, contact: Mrs Harsimran Arora; Phone: 01822-501963, 501964

NIGHT SKY WATCHING

Weather permitting, Science City provides Night Sky Watching facility when clear sky offers best view of the planets. Students/ Teachers: Rs 30/- , Adult: 50/-. Science City also provides Night Sky watching facility on demand of educational institutions at their own premises. Student / Teachers : Rs. 50/-. For more details & reservations, please contact: Ms. Kanika Sharma ; Mobile: 98837897789

BUSINESS OPPORTUNITIES

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