



### **Message from the Desk**

I would like to first take this opportunity to extend to you my greetings and best wishes for the New Year.

2017 had been an eventful year for Science City. We are happy to announce the opening of the Innovation Hub at Science City in collaboration with National Council of Science Museum- an autonomous organization under the Ministry of Culture, Govt. of India. The hub is 6th in India and is equipped with Hall of Fame , stories of inventions and inventors, multimedia kiosks to explore major inventions, e-journals, books and portals, technology labs for robotics which will provide facilities to nurture new ideas and help develop inquisitive perspective in youths of today.

A new I- max film America Wild: National Parks Adventure in our large format film theatre was also launched.

We are forging ahead in our mission of inculcating scientific temper and engaging visitors and the public at large to recognize and appreciate the limitless potential of science and human understanding to create a better future for our community and the planet. We offer hands-on experiences and insights into science and technology that help us understand the world around us and participate in today's knowledge-based society.

As we continue to upgrade ourselves by introducing new facilities and programmes, our priorities and direction are very clear: we create impactful science experiences, deliver excellence in science education and deepen our relationships with the communities we serve. I welcome you to Science City, a science icon and one of the leading institutions of its kind in the world. Join more than 4 million people of all ages and backgrounds, students, families with children, adults, senior citizens whose lives have been touched by a visit to Pushpa Gujral Science City. Science City opened in 2005 with a single goal: to make science fun and accessible to people and we remain committed to that goal.

I wish all - a Happy New Year 2018 and we look forward to your continued engagement with Science City and another eventful year in 2018. Looking forward to sharing many more achievements this year too.

Mohammad Tayyab  
(Director General)

*From the past quarter*

## INAUGURATION OF INNOVATION HUB

The Innovation Hub at Pushpa Gujral Science City was opened to the public on 30.11.2017 by Dr. Roshan Sunkaria, IAS Principal Secretary to the Govt. of Punjab Department of Science, Technology & Environment.

The Innovation hub created by National Council of Science Museums in association with National Innovation Council engages youth in innovative and creative activities. It would serve as springboard for new ideas and innovation and thus help the society and economy to face future challenges and meet rising aspirations of the growing population.

Innovation hub at PGSC has been setup in 500 sq. m area under the scheme SPICES (Scheme for promoting Innovation Creativity and Engagement in Science) approved by the Planning Commission and Ministry of Culture Govt. of India with 100% cost to be borne by the Govt. of India.

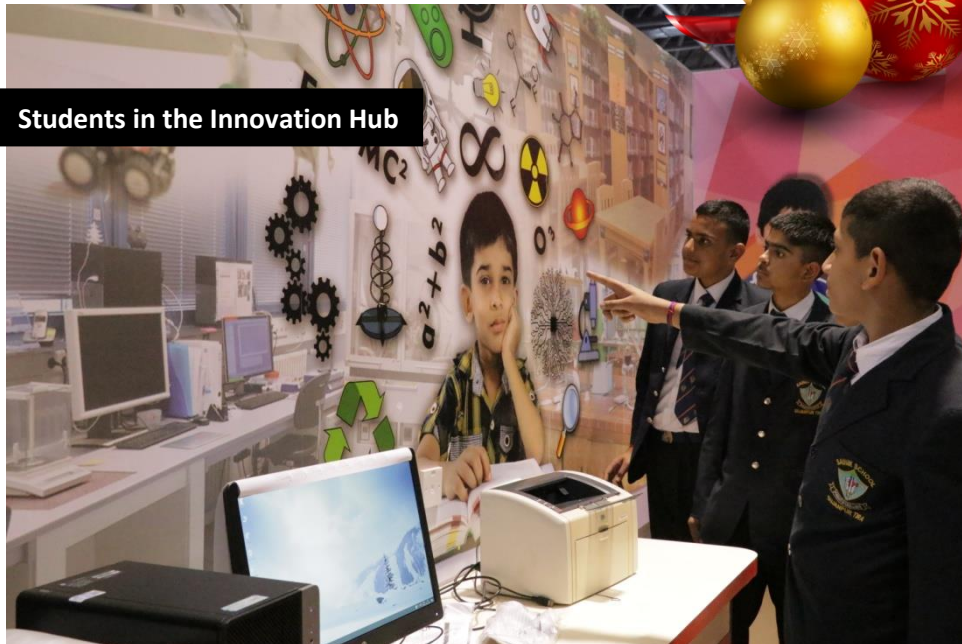
Dr. Roshan Sunkaria while inaugurating the hub said, " People of Punjab especially in rural areas

are well known for their Jugads which reflects their creativity and innovativeness. It is imperative to provide solutions to their raw ideas which are more systematic and technically firm. A dire need had been felt to offer a platform to channelize the potential of Punjabi Youth to nurture the talent. PGSC initiative to setup an innovation Hub in collaboration with National Council of Science Museum- an autonomous organization under the Ministry of Culture, Govt. of India will prove to be a boon to the society".

Speaking on this occasion, Mohammad Tayyab IAS, Director General PGSC said that Science City has received overwhelming response throughout the region. The objective of Innovation Hub is to promote innovativeness and engage youth towards creativity in the region especially those having potential ideas. This hub will provide facilities to nurture new ideas and help develop inquisitiveness amongst the younger generation.



**In the pic: Dr Roshan Sunkaria, Principal Secretary, Science, Technology and Environment and Mohammad Tayyab, DG , Science City**



**Facilities at the Innovation Hubs:**

**Discovery Hall :** This hall has 10 to 15 interactive science exhibits/experiments to create excitement about science through exploration and discovery of underlying principles.

**Innovation Resource Centre:** The Resource Centre showcases innovative ideas/products/implements that have transformed the world. Besides these, implements/ samples of appropriate technology and traditional knowledge systems, art and craft and other areas of importance in public life in the respective regions shall be exhibited. The section will also serve as a resource centre, duly provided with broad band connectivity, for accessing information on

inventions/inventors/patents and multimedia/films on innovations.

**Idea Lab :** This lab is full of necessary basic facilities for children to pursue creative and innovative hobbies/activities that involve model making, basic science experimentation, design & fabrication of useful gadgets of practical use, teaching/learning kits or aids for better class room transactions.

**Torh Phorh Jorh (Break & Remake) corner:** Students will assemble and disassemble various unused electronic/mechanical gadgets/items and thus learn the engineering of products.

**Kabad Se Jugad (Build from scraps):** Here students will learn more by doing things practically using day to day scrap.

**Idea Box :** Students' own innovative

ideas will help to create an idea bank.

**Design Studio :** This area will offer creative environment to design various objects/ products etc to solve design challenges.

The students in groups or in their individual capacity keen to avail the facilities of innovation hub will be enrolled as members. Annual membership of innovation hub will be available to group of students on nominal payment of membership fee Rs. 500 per school student and for individual & college students (ITI/Diploma/Engg.) membership fee is Rs 1000/-.

**For any query regarding Innovation Hub contact:**

**Mr. Vishal Sharma  
Mobile: 8146561236**





**Workshop on  
microorganisms(November  
22,2017)**

An orientation workshop on microorganisms was organized at Divya Jyoti Public School, Jalandhar by Science City with an objective to create better understanding and awareness among students about the role of microorganisms in various fields.

25 students participated in the workshop. Ms Kamaljit Kaur, Assistant Education Officer, Science City was the resource person for the workshop. The concept about microorganisms was demonstrated with the help of power point presentations on microorganisms, their uses, culturing & sterilization techniques as well as performance of experiments by the students with an objective to inculcate interest of the students to make their careers in the field of microbiology.

**220 MW Nuclear Power Plant (NPP)  
Model set up at Pushpa Gujral  
Science City, Kapurthala(November  
17, 2017)**

To enhance public awareness, NPCIL has provided a semi - dynamic model of 220 MW nuclear power plant to Science City. The model was handed over to Science City by Sh. A.K Jain, Additional Chief Engineer, NPCIL and was received by Dr. Rajesh Grover, Director, Science City on November 17, 2017. The semi-dynamic NPP models are one of the best tools to educate / inform general public about the nuclear power plants. This model explains functioning of nuclear power plant in simple and interesting manner with running commentary of various conventional as well as nuclear systems. Various nuclear safety features are also incorporated in the

model to build confidence in viewers that the nuclear power plants are absolutely safe.

Speaking about the advantages of nuclear power, Dr Grover said that the generation of electricity through nuclear energy reduces the amount of energy generated from fossil fuels (coal and oil) and the contribution of nuclear power plants to global warming is relatively little. He also informed the students that 27 kg of uranium produces same amount of electricity in comparison to burning of 700 tonnes of coal.

Sh. A. K Jain delivered a lecture on nuclear power and its advantages. He also highlighted in his lecture that nuclear energy is very safe contrary to the fear and misconception of general public. More than 200 students from various government schools attended the lecture.



**Participants of the Microorganisms workshop**



**In the Pic: Sh. A.K. Jain, Additional Chief Engineer, NPCIL explaining the working of NPP Model**

*From the past quarter*



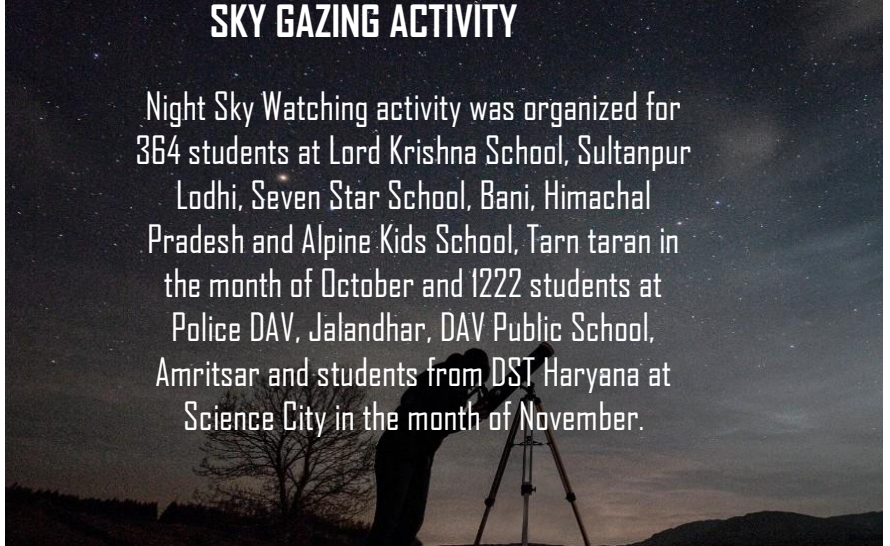
### Fairs and Exhibitions

PGSC participated in the Trade Fair organized by Confederation of Indian Industry in Chandigarh from 13.10.2017 to 16.10.2017 for promotion of Science City.

Science City also participated in International Trade Fair, 2017 (Punjab Pavillion) at Pragati Maidan, Delhi from November 12 to November 27, 2017 organized by Indian Trade Promotion Organization, New Delhi. More than 3 lac visitor visited the PGSC stall and collected information about Science City.

### SKY GAZING ACTIVITY

Night Sky Watching activity was organized for 364 students at Lord Krishna School, Sultanpur Lodhi, Seven Star School, Bani, Himachal Pradesh and Alpine Kids School, Tarn taran in the month of October and 1222 students at Police DAV, Jalandhar, DAV Public School, Amritsar and students from DST Haryana at Science City in the month of November.



### Did you know...

Studies shows that using too much internet makes your brain lazy



## New Ticket Rates w.e.f April 1, 2018



	ADULT	STUDENT	FAMILY (2 Adults + 2 Children)
Entry Ticket	100	50	250
Space Theatre / Digital Planetarium	100	80	330
Laser Show	50	30	130
3 D Show	50	30	130
Earthquake Simulator	50	30	130
Flight Simulator	50	30	130
Climate Change Theatre	50	30	130
<b>Package Ticket: 1</b>	<b>300</b>	<b>210</b>	<b>900</b>
Entry to Galleries, Large Format Theatre OR Digital Planetarium, Laser Show, 3D Show and Climate Change Theatre (without Simulators)			
<b>Package Ticket: 1 Group &gt;= 25</b>	<b>290</b>	<b>200</b>	<b>850</b>
<b>Package Ticket: 2</b>	<b>370</b>	<b>250</b>	<b>1100</b>
Entry to Galleries, Large Format Theatre OR Digital Planetarium, Laser Show, 3D Show, Climate Change Theatre, Flight Simulator, Earthquake Simulator			
<b>Package Ticket: 2 (Group =&gt; 25)</b>	<b>350</b>	<b>230</b>	<b>1050</b>
<b>Annual Membership Rates</b>	<b>750</b>	<b>500</b>	<b>2000</b>

# BOOKINGS

Ticket (In Rs.)	Student	Adult	Family
Entry Ticket	50	75	200
Package Ticket (Entry to galleries, Large Format Theatre or Digital Planetarium, Laser Show, 3D Show, Climate Change Theatre)	160	250	750
Package Ticket > 25 Group	150	240	700
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]*	190	310	950
Complete Package Ticket > 25 Group	180	300	900
Complete Package Ticket valid for two days**	240	380	1150
Complete Package Ticket valid for two days > 25 Group	230	370	1100
Large Format Film Theatre/Digital Planetarium	60	80	275
Laser Show, 3D Show, Climate Change Theatre, Flight Simulator, Earthquake Simulator (Any one)	20	40	110
Boating with Entry Ticket	20	25	90
Boating with Package Ticket	15	20	70
Toy Train	10		
<b>Bulk Discount</b>			
Minimum 500 students		10% on prevailing ticket rates	
Between 501 and 1000		12.5% on prevailing ticket rates	
Above 1000 students		15% on prevailing ticket rates	

\*At the time of heavy rush this package may be discontinued.

\*\* In 2 days valid ticket, only one show of each (Large Format Film or Digital Planetarium, Laser Show, 3D show, Flight Simulator, Earth quake Simulator, Climate Change Theatre will be permissible in 2 days period.

Weather permitting, Science City provides Night Sky Watching facility when clear sky offers best view of the planets.

**Students/ Teachers: Rs 30/- , General Public: Rs 50/-, Family: 150**

For more details & reservations, please contact: Mr. Akashdeep Singh; Mobile: 9855015591; E-mail: akashds13@gmail.com

## ANNUAL MEMBERSHIP SCHEME

Student / Teacher: Rs 400/-

Adults: Rs 650/-

Family (2 Adults + 2 Children (<18 yrs)): Rs 2000/-

**To know about membership benefits, please contact:**

Dr. Munish Sooin, 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 100/- per person (Food charges extra)

For hostel booking, contact: Ms Kanika Sharma;

Email: kanikasharmapgsc@gmail.com

Phone: 01822-501963, 501964

## FOR RESERVATIONS, PLEASE CONTACT

Ms Kanika Sharma; Assistant Estate Manager

Phone: 01822-501963, 501964

Email: kanikasharmapgsc@gmail.com

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