



**HAPPY NEW YEAR
2020**

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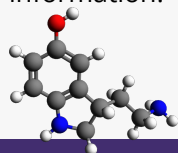
MESSAGE FROM THE DESK

The year 2019 had been an year of achievements for Science City. Two new galleries were set up during the period i.e the "Drug De- addiction gallery" and "Ames room in Fun Science Gallery-II". Whereas the Drug De - addiction gallery is targeted towards the youth of today and sensitizes them to the negative impacts of drugs on human system, the Ames room is a distorted room that creates an optical illusion in which people appear as giants or dwarfs when they move from one side to the other. A new toy train on a 500 meter track was also started with the support of Ministry of Railways Govt. of India which has become a star attraction amongst children. A new laser show on the teachings of the 10 Gurus was also launched at the occasion of 550th Birth Centenary Celebrations of Shri Guru Nanak Dev Ji.

With the launch of "Mission Popular Science" by the state Deptt. of Science, Technology and Environment, with PGSC as the implementing body of the Mission, a surge of activities were witnessed during 2019. The number of events increased from 16 in 2018 to 50 in 2019 for general public and 32 in 2018 to 34 in 2019 by the Innovation Hub, thus increasing visibility of Science City. A makeover of the marketing strategy was undertaken to make the mission activities more inclusive by involving not only students but also parents, grandparents and all sections of society. While grandparents enjoyed 'Grandparents Day', Science City saw diverse visitors like farmers and rural public at the International Biodiversity day when an innovative Beej Mela was organized to inform the public about the traditional crop varieties. Further, the Mobile Science Exhibition served more than one lac people including school students creating awareness on the role which science has been playing in everyday life. More than 2000 school students have watched night sky through powerful telescope during the year. The Innovation Hub also enrolled new members and identified new ideas besides organizing workshops on Robotics, food & adulteration, assembling and disassembling of electric gadgets, etc, especially with Atal Tinkering Labs in the region.

The new year comes with new aspirations and new targets. We wish all readers a Happy 2020 and look forward to your continued engagement with Science City and another eventful year. I invite you to visit our revamped website for more information.

Dr Neelima Jerath
Director General



Whats New at Science City??

Ames Room

Giant or Dwarf- verify yourself

This optical illusion will make you doubt your eyes. An Ames room is a distorted room that creates an optical illusion in which people or objects appear to grow or shrink when moving from one corner to the other. It was invented by American scientist Adelbert Ames, Jr. in 1946 to screw the brain.



The Fun Science gallery Phase 2 and Ames room was inaugurated by the Chief Guest, Sh. Sunder Shaam Arora, Hon'ble Minister of Industries & Commerce, Punjab on December 13, 2019.



NEW LASER SHOW LAUNCHED

ON AUSPICIOUS OCCASION OF
550TH BIRTHDAY OF
DHAN SHREE GURU NANAK
DEV JI

SPECIAL LASER SHOW

ON THE TEACHINGS OF THE GURUS
WAS LAUNCHED AT
SCIENCE CITY





19th Annual Conference of the Heads of the Science Museums/Centres, India held

Theme: "Engaging the visitors to the Science Museums / Centres: Exhibits of the Future"

The 19th Annual Conference of the Heads of the Science Museums/ Centres, India was held at Pushpa Gujral Science City, Kapurthala (Punjab) from 13th to 15th December, 2019. Representatives from Science Cities, Science Centres and Science Museums from all over the country participated and deliberated on the focal theme.

The conference was inaugurated by the Shri Sunder Sham Arora, Minister of Industry & Commerce, Govt. of Punjab

in presence of Shri Rahul Chaba, ADC, Kapurthala, and other dignitaries. The participants were pleased to note that the Government of Punjab is very supportive of the Science City and its activities specially to promote scientific awareness in the society. The Chief Guest also ensured that funding to the PGSC will be provided as and when required for its activities. There were four Technical sessions during the conference and 19 presentations were made by representatives of various Science Centres/Museums and Exhibitors.



The 20th Annual Conference of the Association of the Science Museums/Centres, India(ACSMI) was proposed to be organised from 10th to 13th December 2020 on the broad theme "Strategic Initiatives and partnerships by science centres/museums toward a more equitable future".

State level Children's Science Congress Organized at Science City (28th- 30th November, 2019)

Two projects from Punjab selected in TOP 20 at National Level: Kritika Singh, Christ The King Convent School, Pathankot & Parneet Sharma, Govt. Sen. Sec. Smart School, Seona, Patiala

The State Level Children Science Congress-2019 was organized at Science City in collaboration with Punjab State Council for Science & Technology Chandigarh. Around 300 students and 150 Teachers participated from all over Punjab. National Children's Science Congress is a nationwide Science Communication programme of National Council for Science and Technology Communication (NCSTC), Department of Science and Technology, New Delhi which has been started in the year 1993. Students are motivated to undertake research projects and present their findings in the school in the first instance. Projects finalized at the School level are presented at the District level competition where various schools participate and compete for State level selection. Three (3) winning projects from Junior Group (10-13 years) and 3 winners from Senior Group from every district participated at the State level competition from where a total of 16 projects are selected to represent the state for the National Level Children Congress. Dr. B.S Ghuman, Vice Chancellor, Punjabi University Patiala, was chief guest at the occasion. The following winning teams participated at National Level Children Science Congress at Thiruvananthapuram, Kerala from 27-31, December, 2019 out of which two teams from Punjab (Christ The King Convent School, Pathankot & Govt. Sen. Sec. Smart School, Seona, Patiala) were among Top 20 winners at National Level. Science City is proud of their achievement.

Selected students for National Science Congress

SENIOR CATEGORY

1. Lovin Gupta, BCM Arya Model Sen. Sec. School, Ludhiana
2. Parveen Kaur, Govt. Sen. Sec. School, Jabbowal, Amritsar
3. Rajdeep Kaur, Govt. High School Saffuwala, Moga
4. Bhagya Gupta, Bhavan's SL Public School, Amritsar
5. Tavleen Kaur, DAV Public School, Pakhowal, Ludhiana
6. Kritika Singh, Christ The King Convent School, Pathankot
7. Jaismeen Kaur Guru Amar Dass Adarsh Institute, Goindwal Sahib, Tarn Taran
8. Khushnoor Kaur, Malwa School, Gidderbaha, District -Sri Muksar Sahib

JUNIOR CATEGORY

1. Kirandeep Kaur, Govt. Sen. Sec. School, Kot Khalsa, Amritsar
2. Jaspreet Kaur, Govt. Sen. Sec. School, Saffuwala, Moga
3. Pawanjit Singh, Govt. Sen. Sec. School, Hafizabad, Ropar
4. Mehakdeep Kaur, Major Ajaib Singh Convent School, Jeonwala, Faridkot
5. Parneet Sharma, Govt. Sen. Sec. Smart School, Seona, Patiala
6. Prabhnoor Kaur, Police DAV Public School, Jalandhar
7. Jasmeen Kaur, St. Carmel School, Ropar, Roopnagar
8. Sunaina, Govt. Sen. Sec. School, Nangal Majha, Kapurthala



WILDLIFE WEEK

(October 2-8,2019)

Wildlife Week was celebrated from October 2-8, 2019. Special lectures and demonstrations on importance of wildlife were organized at Science City for students and general public. Competitions like Painting, Quiz and Essay Writing were conducted on October 05, 2019 at Mini Zoo Cum Deer Safari, Bathinda under Department of Forest and Wildlife, Govt. of Punjab as a part of Wildlife Week celebration. About 200 students from different schools participated in the event. Expert lecture was delivered by Dr.BS Bhalla, Scientist-D, PGSC on "Wildlife Conservation". Mr. Pawan Shridhar, Forest Ranger and In-charge Mini Zoo cum Deer Safari, Bir Talab, Bathinda was the Guest of Honour. Plantation was done by the students in the Zoo campus.



WORLD SPACE WEEK

(October 4-10, 2019)

World Space Week was celebrated from October 4-10, 2019 involving participation of school students from various districts of Punjab. The Week was observed to commemorate two milestones in Space exploration; 4th October marking the launch of the first man-made satellite, Sputnik-1 in 1957 and 10th October marking the day on which the UN declaration for peaceful use of outer Space came into force in 1967. The theme of World Space Week-2019 was "The Moon: Gateway to the Stars". A number of activities like lectures, quiz, special shows, night sky watching were organized during this week-long celebration.



State level Energy Conservation Day

(December 14, 2019)

Science City in collaboration with Punjab Energy Development Agency, Chandigarh celebrated State Level Energy Conservation Day with an objective to make masses aware about importance and need of energy conservation. At this occasion students were given an opportunity to showcase their talent by giving shape to their ideas in the form of Project/Models and Science Drama. More than 300 students from different districts of Punjab participated in the event. Dr Dharam Buddhi, Professor at Lovely Professional University, was the Chief Guest at this occasion.



CHRISTMAS CELEBRATIONS

(DECEMBER 25,2019)

Christmas was celebrated with great enthusiasm at Science City campus by greeting visitors with beautifully decorated Christmas trees. Volunteers dressed as Santa Claus welcomed the visitors and distributed candies to the Children.





From the Innovation Hub

WORKSHOP ON WATER LEVEL INDICATOR

The workshop was organized for students of Hindu Amarnath School at PGSC on November 02, 2019. In this Workshop students learnt efficient ways to design a low cost Water level indicator .

WORKSHOP ON ROBOTIC SENSORS

The workshop was organized at Kamla Nehru Public school, Phagwara on Nov 08, 2019 and at PGSC on December 30, 2019. The students learnt about the working principle of robotic sensors . Students also learnt how to perform interfacing and back end programming to execute the sensors depending on the desired working action.

WORKSHOP ON ELECTRONICS

The Workshop was organized at PGSC on Oct 09, 2019. In this Workshop, students of Apeejay School , Jalandhar were demonstrated basics of electronics , circuit designing , soldering , resistance and other components .

WORKSHOP ON ROBOTIC ASSEMBLY

The workshop was organized at IVY world School, Jalandhar on 19/11/19. Students built robotics models in under the guidance of the Mentors.

WORKSHOP ON 3D DESIGN STUDIO AND ANIMATION

The workshop was organized at Innovation Hub, PGSC on December 31, 2019. The students learnt about the technology and tools of 3D Designing and animation. Demonstrations on the 3D software "Solid Works " was also given.

Science Fest 2019 organized

PGSC, in collaboration with National Council of Science Museums, Kolkata, celebrated Science Fest-2019 on November 23, 2019 to provide a platform to the school students to display their innovative ideas and showcase their talent and vision. More than 200 innovative projects were displayed at this occasion and approx. 550 students from 80 different schools of Punjab participated. Sh. Ashok Mittal, Chancellor, Lovely Professional University was the Chief Guest. While addressing the students, Sh. Mittal appreciated the initiatives of Science City in promoting creativity and innovation. He said that creativity is a function of knowledge, curiosity, imagination, and evaluation that leads to innovation. Further, he added that the essence of innovation lies in creating maximum value with minimal investment using scarce resources.

Dr. Neelima Jerath, Director General PGSC, Kapurthala emphasized the importance of the Innovation Hub in inculcating creativity and innovation in the young minds and appealed the students to avail the facility of the hub to develop their problem - solving skills. Further she added that only innovative ideas can lead to new products, technologies, opportunities and ensure sustainable growth. Cash Prizes ranging from Rs. 1000 to Rs. 5000 were awarded to the winners.



Wildlife Week Winners

Painting Competition (Under 12)

1st Prize: Rupal ,Guru Nanak Dev Public Senior Secondary School, Bathinda

2nd Prize: Manjot Kaur ,Sanawar Institute for Children, Bathinda

3rd Prize: Mohit , Lord Rama Public Senior Secondary School, Bathinda

Painting Competition (Above 12)

1st Prize: Manpreet Kaur,Guru Nanak Dev Public Sr Secondary School, Bathinda

2nd Prize:Aryan Sheoran,Sanawar Institute for Children, Bathinda

3rd Prize: Gurnoor, Sanawar Institute of Children, Bathinda.

Quiz Competition

Winners of Quiz Competition (Under 12)

1st Prize: Ranjit Singh,GES, Basti Nai, Bathinda

2nd Prize:Prince,Guru Nanak Dev Public Senior Secondary School, Bathinda

3rd Prize: Manpreet Singh,GES, Basti Nai, Bathinda

Winners of Quiz Competition (Above 12)

1st Prize: Ranveer Jain,Sanawar Institute for Children, Bathinda

2nd Prize: Paushav Bansal,Sanawar Institute for Children, Bathinda

3rd Prize: Rehmat Kaur Sidhu, Sanawar Institute for Children, Bathinda

Essay Writing Competition (Under 12)

1st Prize: Tanvi Garg,Sanawar Institute for Children, Bathinda

2nd Prize: Akshit,Sanawar Institute for Children, Bathinda

3rd Prize :Jyoti ,GES School, Basti Nai, Bathinda

Essay Writing Competition(Above 12)

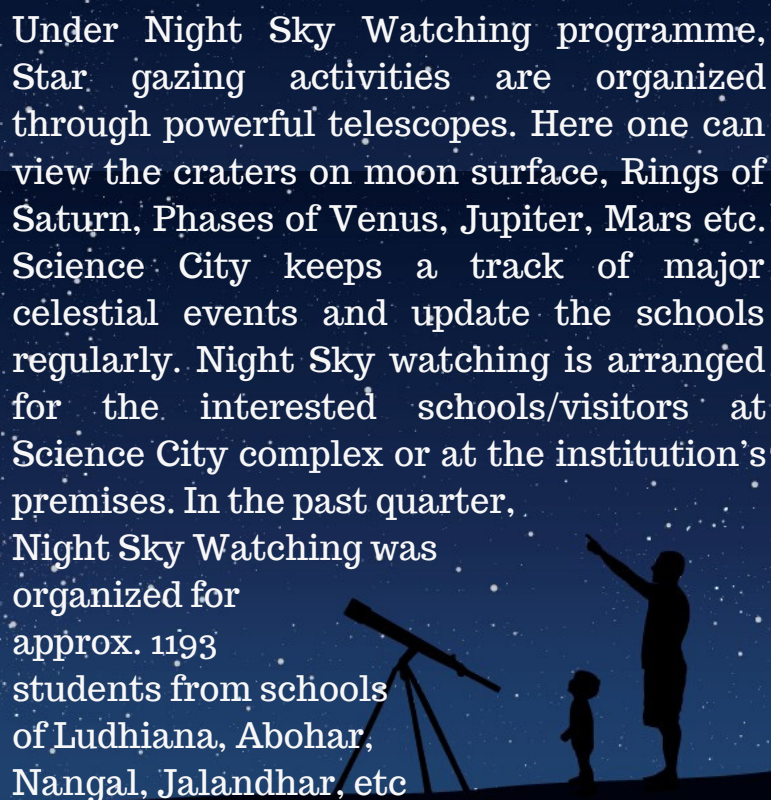
1st Prize: Yashnoor Kaur ,Sanawar, Institute for Children, Bathinda

2nd Prize: Varidhi ,Sanawar , Institute for Children, Bathinda

3rd Prize: Parminder Kaur,Govt. Senior Secondary School, Multania, Bathinda.

Night Sky Watching

Under Night Sky Watching programme, Star gazing activities are organized through powerful telescopes. Here one can view the craters on moon surface, Rings of Saturn, Phases of Venus, Jupiter, Mars etc. Science City keeps a track of major celestial events and update the schools regularly. Night Sky watching is arranged for the interested schools/visitors at Science City complex or at the institution's premises. In the past quarter, Night Sky Watching was organized for approx. 1193 students from schools of Ludhiana, Abohar, Nangal, Jalandhar, etc



Winners of Science Fest

1st Prize: Ishwar, DIPS Maqsudan, Jalandhar

2nd Prize: Devanshi, DAV Public School, Ludhiana

3rd Prize: Harshdeep Singh, Manav Sehyog School, Jalandhar

Consolation Prizes: Sahib Singh, Eklavya School Jalandhar, Balraj Sharma, Sarv Hitkari Vidya Mandir School, Dhuri, Gautam, D.C. Model International School, Ferozpur, Rahul, Government Sr. Sec. School, Kartarpur, Jalandhar

Winners of State level Energy Conservation Day

Project/Model Display

1st Prize: BCM, Ludhiana

2nd Prize: Y. S Public School, Barnala

3rd Prize: GHS, Maloya, Chandigarh

Science Drama

1st Prize: DIPS, Maqsudan

2nd Prize: Y.S Public School, Barnala

3rd Prize: Innoncent Heart School, Loharan

Bookings

Ticket (in rs)	Student/Teacher/ Children	Adult	Family
Entry Ticket (Galleries & Dinosaur Park)	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

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

{Reimbursable Discount}

Note: Please avail Food coupon worth Rs 20 in the ticket

Annual Ticket Scheme

Buy an annual ticket (valid for 1 year from date of purchase) and visit Science City as many times as you wish

Adults: Rs 820/-

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

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 100/- per person (Food charges extra). For hostel booking, contact:

Mrs Harsimran Arora; Phone: 01822-501963, 501964

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

BUSINESS OPPORTUNITIES

Register yourself as a Tour Operator or Be our Sponsors. For More Information, Please Contact: Sh. Sheeraj Batish (DGM, Mktng & PR) @ 998847443 or sheeraj_batish@hotmail.com



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