



# PUSHPA GUJRAL SCIENCE CITY

THE SCIENCE OF WOW

July- September 2019

# BUZZER



## MESSAGE FROM THE DESK

Another step towards Gender Equality, I inform with great pleasure that Pushpa Gujral Science City has signed a MOU today with Girls X Tech, a not for profit company to bridge the gender gap in Technology sector. Girls X Tech, is a brand new initiative to close the gaping differences in female representation in the tech industry in Punjab. The MoU had been signed with an objective to establish 'Girls X Tech- Science City Coding Clubs' in schools and colleges for girls students to provide computer literacy programmes, esp. in rural and semi urban areas. The goal of the programme is to connect 10,000 Punjab girls to tech-related education programmes by 2021.

The past quarter witnessed number of events happening inside and outside Science City. A week long Van Mahotsav was organized with the locals and District Administration. Other events organized were Workshop on Science Journalism, Science Behind Miracles, Celebration of Engineers Day and Ozone Day, etc.

We hope you enjoy the current issue of Buzzer and we look forward to hear from you. We always welcome comments and feedback. If you have any questions, concerns or thoughts to share, be sure to contact us.

Dr Neelima Jerath  
(Director General)

# From the Past Quarter



## VAN MAHOTSAV CELEBRATED WITH FERVOUR (July 1-7, 2019)

A district-level “Van Mahotsav” celebration was jointly organized by Pushpa Gujral Science City (PGSC) and the District Administration, Kapurthala at Wadala Kalan village on July 01, 2019. Sh. Davinder Pal Singh Kharbanda, Deputy Commissioner, Kapurthala was the Chief Guest at this occasion. He enthused the villagers to plant more saplings to make the ecosystem balanced and healthy. He further added that in view the 550th birth anniversary of Guru Nanak Dev Ji under the “Tandrust Punjab Mission” of Govt. about 550 saplings were being planted throughout Punjab in each of the village. Dr. Grover, Director, PGSC, Sh. A.S Bhullar, Additional Deputy Commission and Mrs.Tarnjit Kaur, Sarpanch of the village were also present and planted sapling .

## Third Training Programme on Establishment of WaSH (Water, Sanitation & Hygiene) Clubs in schools of Punjab ( July 22,2019)

Science City in collaboration with Punjab State Council for Science & Technology is implementing WaSH in Punjab . The project aims at promoting Water Conservation, Sanitation & Hygiene practices among children. Two Teachers' Training programmes were organized at Science City in the month of June-2019. The 3rd and last prgramme was organized on 22-7-19. 90 teachers participated in this programme. With this, Science City has established 220 WaSH Clubs across Punjab. Ms Seviya Sharma, Community Development Expert, Deptt. of Water Supply & Sanitation and Sh. Sanjeevan Singh Dadhwal from Education Deptt. were the resource persons.



## **WORLD OZONE DAY (SEP 28,2019)**

World Ozone Day is observed on 16 September every year to spread awareness among people about the depletion of Ozone Layer and search possible solutions to preserve it. The day was celebrated at SSSS Hari Singh sen. Sec. School, Nandpur, Taran Tarn. Dr B. S Bhalla, Scientist D delivered expert lecture. Debate competition was also organized. Approx. 200 students participated in the event.



## **MUST SEE AT SCIENCE CITY!!**

### **Panorama on Life Through Ages**

Live millions of years in a few minutes! The evolution from the Big Bang to the present day world showcased in a dome-like structure of 80-foot diameter will leave you wonderstruck. Divided into 16 different sections through sensor based 2D and 3D models which suddenly spring into action as you pass through, and massive background paintings for an exhilarating experience, it demonstrates major events in the development of life on the earth. The highlights of sections include - origin of the solar system, evolution of multi-cellular life, invasion of land by plants and animals, coal deposits, extinction of primitive life, origin, growth and extinction of dinosaurs, rise of mammals, evolution of man-like ancestors, early homosapiens and much more.



## **WORKSHOP ON SCIENCE BEHIND MIRACLES (AUGUST 05, 2019)**

A one-day Workshop on “Science Behind Miracles “ was organized on Aug 05,2019 at Science City, Kapurthala involving participation of 200 students. The workshop was organized with an objective of inculcating scientific temper, developing rational thinking, and dispel prevailing superstitions in our day to day life so as to develop a knowledge based society. Sh. Raja Ram ji, President Tarksheel society was the resource person in this workshop. Live demonstrations, the so called miracles as well as scientific explanations behind these tricks were demonstrated to the participants.

## **WORKSHOP ON SCIENCE JOURNALISM (AUGUST 9,2019)**

To develop the skills of budding journalists in communicating science to the general public, , a One- Day Workshop on Science Journalism at Doaba Collge Jalandhar. The event was jointly organized by Pushpa Gujral Science City & Doaba College. Around 150 Students of Journalism & Mass Communication from APJ College, DAV College and Doaba College participated in the Workshop. Mr. Chander Mohan, President of Doaba College Management committee was the Chief Guest . Dr. Manoj Patairaiya, Director, Nisclair , New Delhi and Sh. Rintu Nath, Associate Editor Dream Magazine delivered key addresses. Dr Patairaiya stressed to take up local issues and provide their scientific solutions through science journalism which can effectively help in providing solutions. Sh. Rintu Nath addressed the issues of communicating science and technology through journalism in common man’s language



## **ENGINEER’S DAY (SEPTEMBER 13, 2019)**

Engineer’s Day 2019 was celebrated in collaboration with Rayat Bahra Institute of Engineering & Nano Technology at its Hoshiarpur campus. The objective of the event was to promote Innovation & creativity among young Engineers and make them understand their lead role for making society a progressive one. At his occasion, project/working models were displayed by the students. Sh. J. K. Goswamy, Professor, University Institute of Engineering & Technology, Panjab University, Chandigarh was the Chief Guest and delivered a lecture on “Engineering for Change”.



# From the Innovation Hub

## WORKSHOP ON ARDUINO PROGRAMMING (July 06,2019)

The Workshop was organized at Innovation Hub, PGSC. In this workshop the mentors provided a practical hands- on training on Arduino Microcontroller and its interfacing.



## WORKSHOP ON DRONE/QUADCOPTER (JULY 27,2019 & AUGUST 19,2019)

In the workshop, the participants were introduced to the types of drones, how to assemble the drones, how to move and lift the drone in air and how to set communication between transmitter and Receiver. The workshop was organized at Kamla Nehru School, Phagwara.



## WORKSHOP ON SCIENCE BEHIND MIRACLES (AUG 05,2019)

The workshop was organized at Innovation Hub. The workshop imparted knowledge on various basic scientific principles.



## WORKSHOP ON BASICS OF ELECTRONICS

The workshop was organized at Innovation Hub. The participants learned about the basics of Electronics components, working of circuits, resistors. The participants also made a small Water level Indicator under the guidance of Mentors.



## WORKSHOP ON ROBOTICS AND GSM (SEPT 09,2019)

The workshop was organized at APJ School, Jalandhar. The workshop demonstrated assembling and Disassembling of Robotic modules.

Working of GSM (Global System for Mobile Communication), basic difference between the 3G,4G,5G, How a Mobile works, What is cell Switching? What are BTS, MSC? How a call setup through Mobile device, etc were also demonstrated

# 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

**Note: Food coupon worth Rs 20 in the ticket**

## ANNUAL MEMBERSHIP SCHEME

Student / Teacher: Rs 570/-

Adults: Rs 810/-

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: Ms 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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