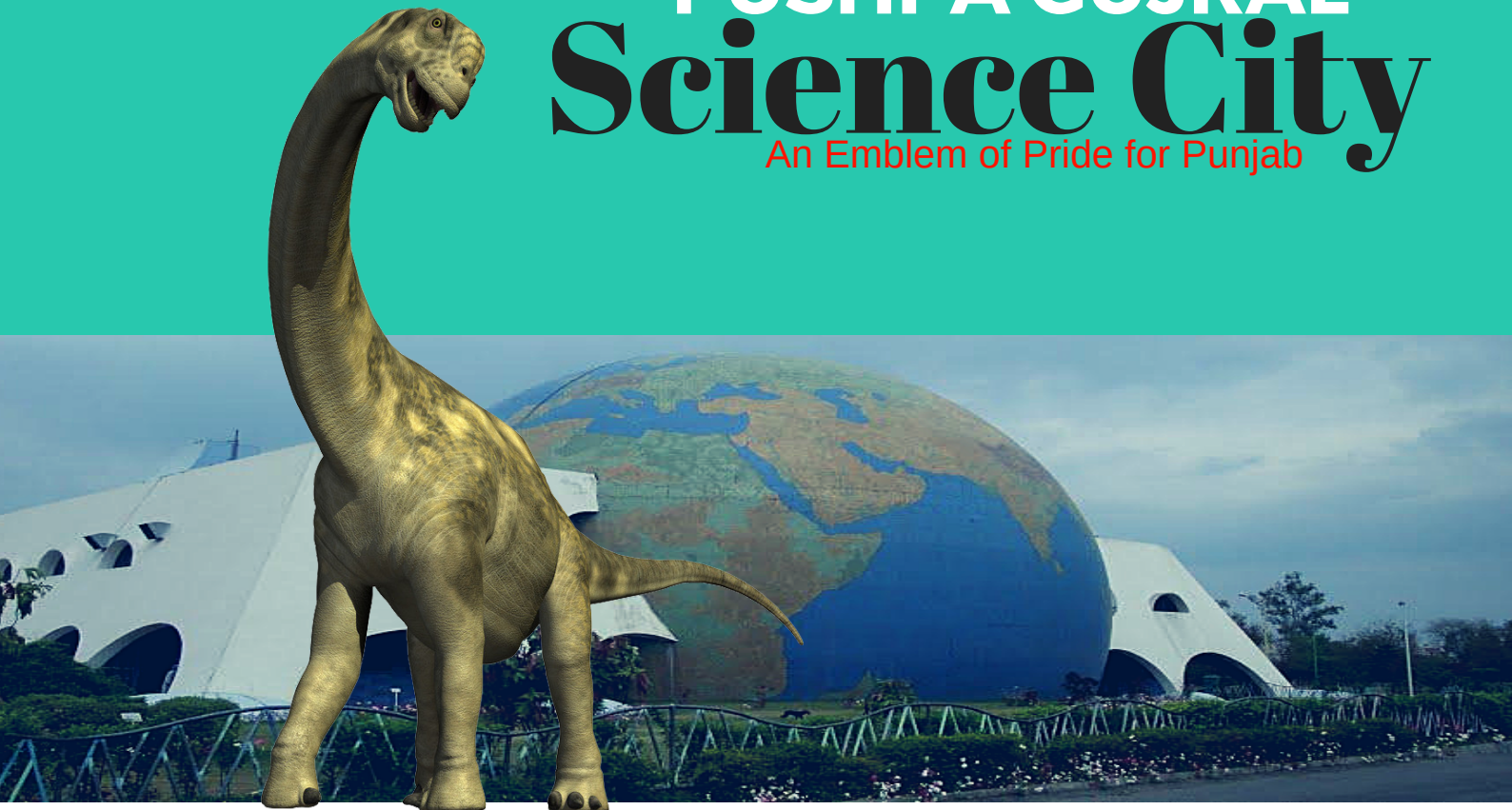


BUZZER

JULY-SEPTEMBER 2018



PUSHPA GUJRAL Science City An Emblem of Pride for Punjab



Message from the Director General

Dear Readers

Prepare yourself for a close encounter with some of the most extraordinary creatures to ever walk the earth!! We are glad to inform the arrival of Robotic Dinosaurs in Science City. Featuring 6 moving life-size dinosaurs including T- rex and a speaking tree, this is a display like none you've seen before! Hear roars from the Mesozoic era and roam the eerily lit space looking, touching and experiencing the ancient world of dinosaurs as it is brought to life. This high-tech interactive display will encourage you to look, listen and learn about these fascinating creatures who ruled the world 65 million years ago.

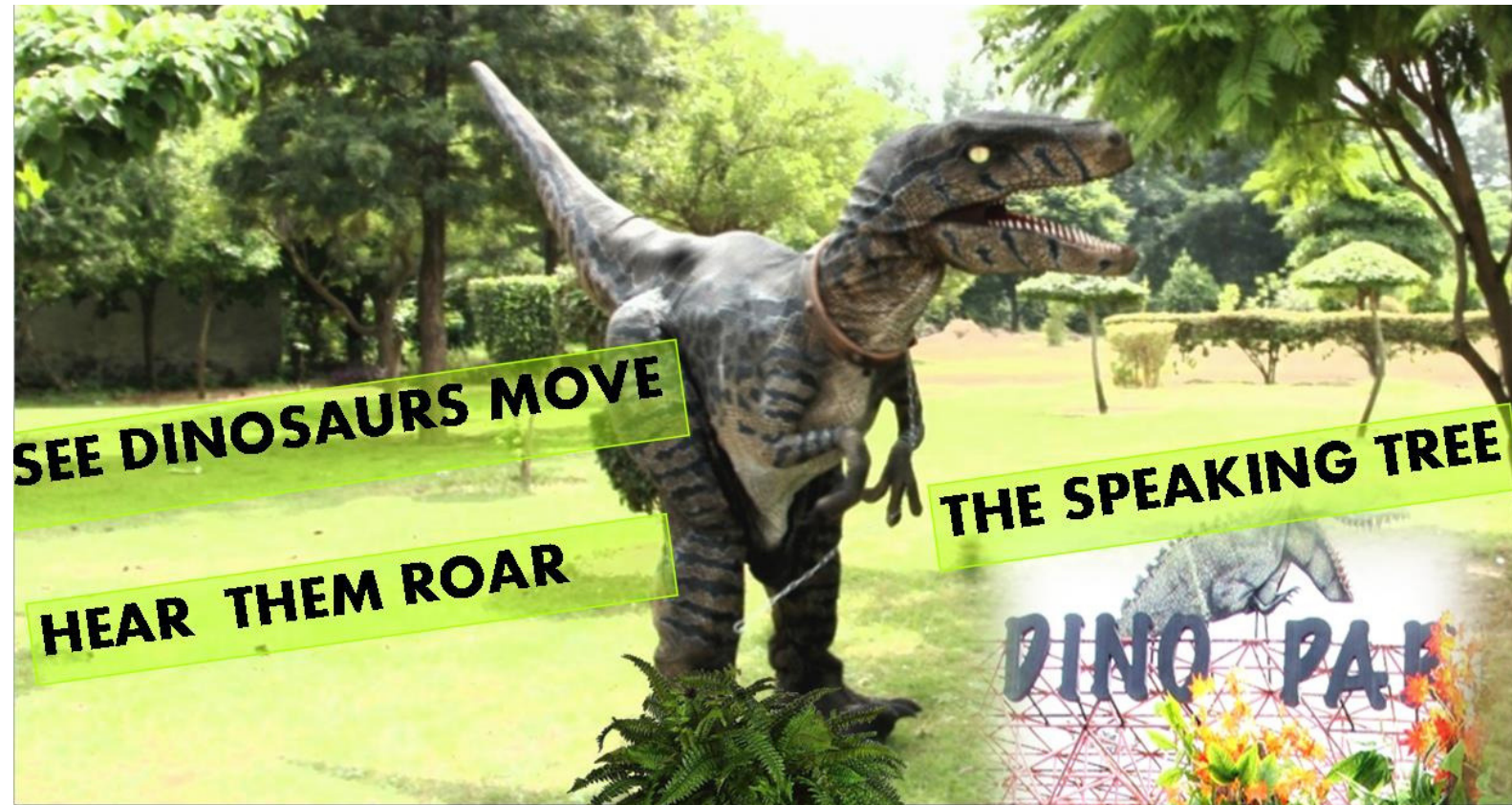


The Innovation Hub set up at Science City has kept the budding scientists engaged in innovative scientific activities. This unique facility has provided opportunity to various age groups of the society to develop their ideas on various aspects of Science & Technology. Opened in December 2017, the hub has actively organized monthly workshops and has already enrolled approximately 330 members.

We wish u a safe and happy festive season. Science City urges its visitors to have a eco- friendly Diwali. Let us have a smoke free and breathe free Diwali and minimize the poisonous effects of crackers and maximize the happiness with earthen lamps!!!

Mohammad Tayyab

What's new ????



SEE DINOSAURS MOVE

HEAR THEM ROAR

THE SPEAKING TREE



DINOSAURS COME
ALIVE...

at

Pushpa Gujral

SCIENCE CITY



COMING

SOON!

A MACGILLIVRAY FREEMAN FILM

EVEREST

In
Large Format
Space Theatre



ACTIVITIES UNDER INNOVATION HUB

WORKSHOP ON ROBOTIC SENSORS

July 16, 2018

The workshop was organized at Devi Sahai S.D. Senior Secondary School, Jalandhar. Students were explained about the working of robotic sensors like gyro sensor, colour sensor, obstacle detector, touch sensor, dig detector etc.

WORKSHOP ON ROBOTICS

July 19, 2018

The workshop was organized at Panther Sainik Institute, Amritsar. Students were explained about the basics of robotics, how to assemble and program a simple robot. A similar workshop was organized at Innovation Hub on 8th August 2018 for Manav Sehyog Senior Secondary School, Jalandhar and on 2nd September 2018 for Guru Hargobind Public School, Nadala



images under microscope. Students also practiced how to make temporary slides for observing plant cells, stomata, pollens etc. under microscope.

WORKSHOP ON GSM MOBILE COMMUNICATION

August 31, 2018

The workshop was organized at Devi Sahai S.D. Senior Secondary School, Jalandhar. In this workshop proper demonstration on GSM working was explained. How the mobile communication system works, how a call sets up, how a call terminates and how the GSM system works during roaming.

WORKSHOP ON 3D PRINTING

August 3, 2018

The workshop was organized at Innovation Hub and was attended by Amarnath Public School, Kapurthala. In this workshop, students were familiarized with the latest 3D printer named Makerbot replicator. Students were explained about the working and

the applications of the printer and how an object can be designed in it.

WORKSHOP ON WATER TESTING

September 10, 2018

In this workshop, students performed water testing on various water samples collected from different sources. Samples were tested for the detection of water pollutants like chloride, residual chlorine, iron, fluoride, nitrate, arsenic, pH, total hardness.

WORKSHOP ON ELECTRONICS

July 20, 2018

The workshop was organized at Panther Sainik Institute, Amritsar. Students gained knowledge about various electronic components and their usage in making electronic circuits. Students made rectifier and automatic light control circuits during practical session.

WORKSHOP ON BIOLOGY

July 21, 2018

The workshop was organized at Panther Sainik Institute, Amritsar. In this workshop, students were introduced to the latest projection microscope. They were guided about making temporary slides for observing magnified



Vigyan Yatra

In order to facilitate students from government schools who remain almost deprived of the facility and the advantages of the visit to Science City due to financial constraints, Department of Education, Government of Punjab in collaboration with Pushpa Gujral Science City, Kapurthala initiated "Mukh Mantri Vigyaan Yatra" in the year 2016. Vigyaan yatra for the year 2018-19 started on August 3, 2018 and approx. 70K students have visited Science City in the last 2 months under this yatra. The visit of 1.65 lac students is anticipated in the year 2018-19 under this yatra



WORKSHOP ON SCIENCE COMMUNICATION THROUGH PUPPETRY(JULY 24-JULY 29,2018)

A five day state level workshop on Science Communication through Puppetry was organized at Science City in collaboration with National council for Science and Technology communication (NCSTC), DST, GoI New Delhi. The objective of the workshop was to introduce puppetry as an aid to education. The key resource persons were :-Sh. Rajpal Panchal and Sh. Rajbir from Indian Resource & Development Association (IRADA), Kurukshetra, Haryana and Sh. K. K Rail (Folk artist), Abhinav Puppet Group, Lucknow. 50 teachers from all districts of Punjab participated in the workshop. The workshop proved to be a significant step to enrich the knowledge and teaching skills of the participants



WOMEN EMPOWERMENT THROUGH GENETIC LITERACY

Aimed at sensitizing people that woman is neither responsible for the sex of the child nor for the genetic disorders in a child and relevance of undergoing screening tests during pregnancy, Pushpa Gujral Science City, Kapurthala in collaboration with National council for Science and Technology communication (NCSTC), Department of Science and Technology, GoI has initiated a project titled- "Women Empowerment through Genetic Literacy: An innovative intervention". Under this project, Genetic Literacy Clubs are established in villages and schools. The clubs so formed carry out awareness activities to spread the message. In the past quarter, 20 clubs were formed in distt. Rupnagar, Gurdaspur, Kapurthala, Hoshiarpur, Taran Tarn, Amritsar, Fatehgarh sahib. Total 27 clubs have been formed under this project.



Coming up

Mobile Science Exhibition: Reaching the Unreached

Science City, once again is all set to roll out Mobile Science Exhibition, a joint outreach programme of Pushpa Gujral Science City & I.K.G Punjab Technical University catalyzed and supported by National Council for Science and Technology Communications, Department of Science & Technology, GoI, New Delhi. The exhibition reached approx. 2 lac visitors in its last phase. The exhibition targets reaching out to approx. 3 lac people in the coming phase.



Bookings

| Ticket (In Rs.) | Student/Teacher/Children | Adult | Family |
|--|---------------------------------|--------------|---------------|
| Entry Ticket | 85 | 135 | 390 |
| Package Ticket(Entry to galleries, Large Format Theatre or Digital Planetarium, Laser Show,3D Show, Climate Change Theatre) | 245 | 335 | 1040 |
| Package Ticket > 25 Group | 235 | 325 | 990 |
| 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] | 285 | 405 | 1240 |
| Complete Package Ticket > 25 Group | 265 | 385 | 1190 |

Bulk Discount Scheme for Schools/Institutes

| | |
|-------------------------------|----------------------------------|
| 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 |

For every 25 students entry of one teacher is complimentary

ANNUAL MEMBERSHIP SCHEME

Student / Teacher: Rs 500/-
Adults: Rs 750/-
Family {2 Adults + 2 Children (<18 yrs)}: Rs 2000/-
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 @ 9781192327

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: Rs 150/-. For more details & reservations, please contact: Mr Akashdeep Singh, Mobile: 9855015591. E mail: akashds13@gmail.com

FOR RESERVATIONS, PLEASE CONTACT

Mrs Harsimran Arora; Assistant Estate Manager,9781192327 , Email: harsimranarora9@gmail.com

Business opportunities

Register yourself as Tour Operator or Be our Sponsors!!!

For more information please contact: Sh. Sheeraj Batish, DGM (Mktg &PR) @9988474433, email: sheeraj_batish@hotmail.com

We are open 365 days

Resident Editor:Sh. Sheeraj Batish(DGM, Mktg & PR)

Editor: Dr Loveleen Kaur Brar (Scientist B)