

PUSHPA GUJRAL SCIENCE CITY



### Message from the Desk

**Dear Readers** 

New Year Greetings from Pushpa Gujral Science City.

The year 2021 was a disruptive and challenging year. We missed your visits, in-person activities, gatherings and a sense of normalcy. The pandemic persisted, yet there were glimmers of hope as we used this time to set up new galleries and learned new skills reaching out to you in on-line or in hybrid mode. During the present quarter, the Mathematics Gallery at Pushpa Gujral Science City was inaugurated on November 24 by Hon'ble Minister, S & T, GoP Sh. Gurkirat Singh Kotli. The main objective of the gallery is to help students understand Maths in a fun and interesting way through interactive exhibits and hands-on activities. I express my gratitude to the State Govt. and Govt. of India for providing funds for setting up this Gallery. I am also glad to share that PGSC organized 108 events (104 online and 4 onsite with participation of 10, 455 students and general public) from January - December 2021.

The past quarter witnessed some onsite activities like: Food and Nutrition show, the first ever organic food show in town where organic farmers across Punjab displayed and sold their organic food products and an innovative street food competition in which students from Hotel Management institutes/colleges and housewives showcased their talent; National Energy Conservation Day in which more than 300 students participated in Science Drama and Project / Model Display; Children's Day involving participation of students in painting competition and National Mathematics Day which was organized both online (in collaboration with HIMCOSTE for students of Himachal Pradesh) and Offline (in collaboration with PSCST for students of Punjab). Events like Natural Disaster Reduction Day, Wildlife week, World Science Day, AIDS Day, etc were organized online.

As we close 2021 with the determination to reach out to you more often in 2022 PGSC has once again come up with an e-calendar. The calendar can be accessed at

http://www.pgsciencecity.org/assets/media/library/1641185503\_CALENDAR\_PGSC\_2022.pdf.

The new year comes with new aspirations and new targets. We wish all readers a Happy 2022 and look forward to your continued engagement with Science City and an eventful year. Please accept my gratitude for regularly participating in the event. Wishing you all the best and Happy reading.

Dr Neelima Jerath (Director General)

e-newsletter: Buzzer





In an effort to further promote STEM education in the State and ensure that Mathematics learning is fun for children, Pushpa Gujral Science City has set up a Mathematics Gallery. The gallery was inaugurated by Sh. Gurkirat Singh Kotli, Minister for Science and Technology on November 24, 2021.

The Gallery helps students understand Maths in a fun and interesting way through interactive exhibits and hands-on activities. It is divided into different sections like, Number system, Geometry, Arithmetic's, Trigonometry, Interactive math, puzzles and activities corner.



"I feel that such facilities in the form of Science Centres should be set up in every district of the state to supplement formal education. To begin with, one more science centre should be set up at Mohali for which I will take up the matter with the Chief Minister for requisite support. I will also ask the Chief Minister to ensure that as per the guidelines of UGC and AICTE Policy (framed under Hon'ble Supreme Court orders), mandatory Environment Education studies should be added and include mandatory visit to Science City as a compulsory part of curriculum of secondary, higher and technical education in Punjab so that each and every student becomes well informed and knowledgeable about Sustainable Development and is abreast with latest skills"

Sh. Gurkirat Singh Kotli, Minister for Science and Technology , Govt. of Punjab



# INTERNATIONAL DAY OF OLDER PERSON "FREE INTERNET TRAINING FOR OLDER PERSONS" (OCTOBER 1, 2021)

On 14 December 1990, the United Nations General Assembly designated October 1 as the International Day of Older Persons. The theme for 2021 is "Digital Equity for All Ages" which affirms the need for access and meaningful participation in the digital world by older persons. At this occasion, free internet training was given to the senior citizens from nearby villages surrounding Science City.



### World Wildlife Week

OCTOBER 2-8, 2021

Pushpa Gujral Science City celebrated Wildlife Week from October 2-8 by organizing two webinars on World Habitat Day (October 4) and Birds at Science City (October 5) which were attended by about 200 students from different educational institutions in the state. Mr. Rakesh Khatri, also known as the Nest Man of India, who founded the Eco Roots Foundation, Delhi, was the key speaker during the webinar on World Habitat Day. He has been recognized by the Limca Book of Records for making the maximum number of handmade nests. He delivered a talk on "Save the Sparrows: How to build a nest". During his talk, Mr. Khatri said that the house sparrow is one of the most ubiquitous birds and is one of the most familiar winged companions of human beings. Further, he informed that the Eco Roots Foundation had initiated a step to save these birds by making handmade birdhouses. Till date, more than 1,25,000 jute nests and 40,000 tetra-pack nests had been made. Ms. Gitanjali Kanwar, Coordinator, Harike wetland unit of Rivers, Wetland and Water Policy of India, made a presentation of 65 birds surveyed till date on the Science City campus. She emphasized the need to organize nature walks for the students to make them learn about different bird species, their identification, voices, etc. The participants learned how to build bird nests from waste materials at home and key points to hang them appropriately.





# INTERNATIONAL DAY FOR DISASTER REDUCTION (OCTOBER 13, 2021)

Mr. Kunal Satyarthi, IFS, Joint Secretary to Ministry of Home Affairs, GoI, National Disaster Management Authority, New Delhi was the key speaker at the webinar organized by PGSC at the occasion of International Day for Disaster Reduction (IDDR). The day encourages every citizen and government to take part in building more disaster-resilient communities and nations. The United Nations General Assembly designated October 13 as the International Day for Natural Disaster Reduction as part of its proclamation of the International Decade for Natural Disaster Reduction. The theme for this year celebration was "International cooperation for developing countries to reduce their disaster risk and disaster losses." During his talk, Mr. Satyarthi said that natural and human-caused disasters affect thousands of people each year and can cause catastrophic loss of life and physical destruction besides mental trauma. International cooperation for developing countries through Official Development Aid and capacity building is essential to boost disaster resilience in the face of extreme weather events and other natural and man-made hazards, he added. He emphasized upon making Disaster Management part of educational curriculum at all levels as well as the need to conduct frequent talks, seminars, training programs and live drills for children and youth to combat disasters. He appreciated PGSC's efforts in this direction.

# WORLD FOOD DAY (OCTOBER 16, 2021)

Pushpa Gujral Science City celebrated World Food Day by organizing a webinar on "Slow Food: Science and Sustainability". Chef Gunjan Goela, a Celebrity Chef, Food Consultant. researcher and historian on Indian Gastronomy was the key speaker at this occasion. She said that the slow food movement campaign was started in 1989 aimed to prevent disappearance of local food cultures and traditions, counteract the rise of fast food and fast life and inculcate a sense of responsibility and pride for culinary heritage. She informed that slow food movement in our country is not a new concept and since ages people believed in taking only what is enough to satisfy needs and giving back to the environment. Further, a growing awareness about the positive environmental impacts of vegetarianism is providing a much needed boost to the slow food movement, she added.

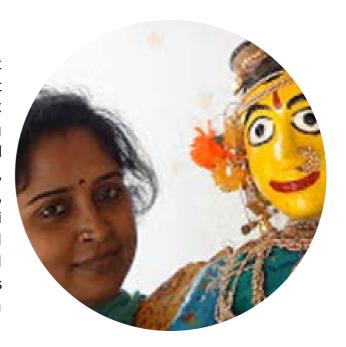


Sh. Kunal Satyarthi, IFS Advisor, National Disaster Management Authority, GoI

Chef Gunjan Goela

# HANDS-ON WORKSHOP ON "MAKE PUPPETS FROM TRASH" (OCTOBER 29, 2021)

To raise awareness about the global problems that generation entails and the waste environmental impact that it produces, PGSC organized a hands-on workshop on 'Making Puppets from Trash'. The workshop demonstrated how to turn accumulated garbage into puppets, while learning about the importance of recycling, and not generating so much waste. Ms. Padmini and Rangaraian. Puppeteer Educational Consultant, Sphoorthi Theatre for Educational Puppetry, Art and Craft -STEPARC, Hyderabad was the resource person. 45 students participated in the workshop.



### FOOD AND NUTRITION SHOW (NOVEMBER 14, 2021)

The COVID-19 pandemic has brought into fcous the importance of good food and nutrition for human health. To take this message to the masses, especially housewives and students, Pushpa Gujral Science City, Kapurthala organized 'FOOD & NUTRITION SHOW' in collaboration with Punjab Agri Export Corporation Ltd. on November 14, 2021 at PGSC campus. Organic farmers from different parts of Punjab exhibited and sold their products during the show. Besides, an Innovative Street Food Competition was organized in which >50 entries were received from students of Hotel Management Colleges/ Institutions/Schools and Housewives. Cash Prizes were awarded to the winners. The recipes were judged based on their taste, nutritional status and innovative recipes and presentation.

Sh. Mohammad Tayyab, Special Secretary, Expenditure, GoP was the Chief Guest and Mr. Ranvir Singh, GM, Punjab Agri Export Corporation Ltd. was the Guest of Honour. Sh. Mohammad Tayyab said that creating awareness amongst consumers about the benefits of eating healthy and the science behind safe foods would lead to optimum utilisation of resources as well as cultivation and production of better quality food products. Further, agriculture in India was traditionally organic till we switched over to intensive farming using chemical fertilizers and pesticides. As we realize the health impacts of these chemicals, efforts are being made to switch back to traditional organic agriculture. Now we have the largest number of organic food producers and is ranked the ninth largest in terms of the land dedicated to organic agriculture, however, organic food market in India is growing as the awareness about organic food is still low and is limited to consumers in metro cities, he added. Sh. Ranvir Singh, GM, Punjab Agri Export Corporation Ltd informed that PAGREXCO has created a base of 5,000 farmers with an area of 15,000 acres under organic certification regime where organic food is grown in compliance with Organic standards of National and International standards. Celebrity Chefs, Chef Vishavdeep Bali and Chef Nellu Kaura were the judges of the Innovative Street Food Competition. Dr. Madhu Gill, Consultant Organic, Punjab Agro coordinated from PAGREXCO side.

# Glimpses of Food & Nutrition Show













### WINNERS OF THE FOOD AND **NUTRITION SHOW**

**INNOVATIVE STREET FOOD** COMPETITION STUDENT CATEGORY

1st Prize: Bhavuk Agarwal, CT University 2nd Prize: Arshdeep Kaur and Akshita, KMV

College, Jalandhar

3rd Prize: Akansha and Shivam, IKGPTU,

Kapurthala

### **HOUSEWIFE / GENERAL CATEGORY**

1st Prize: Aruna Sehgal 2nd Prize: Varun Mishra 3rd Prize: Savita Bhattacharya

### WINNERS OF ART IN SCIENCE COMPETITION



Ms. Harsimran Kaur.

Hindu Kanya College,

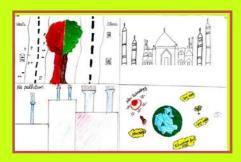
Kapurthala



Institute, Hoshiarpur

A painting competition on "Role of Technology in India's Development in 75 years" was organized at the occasion of Children's Day. 77 school students participated in the competition. Best three paintings were awarded prize. Prizes were also awarded to winners of 'Art in Science' competition (organized online in the month of October) by Special Secretary, Expenditure, GoP, Sh. Mohammad Tayyab.

#### WINNERS OF PAINTING COMPETITION ORGANIZED ON CHILDREN'S DAY



Int. School, Sultanpur Lodhi



1st Prize: Pavleen Kaur, Lord Krishna 2nd Prize: Navdeep Singh, Lord Krishna Int. School, Sultanpur Lodhi



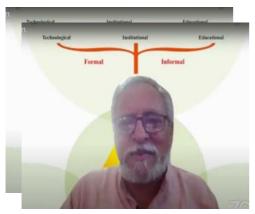
3rd Prize: Ranvir Singh, Little Angels Co-ed School

#### e-newsletter: Buzzer

### SCIENCE FEST (NOVEMBER 27, 2021)

Innovation and Creativity is being accorded special focus by the Government during Azadi ka Amrit Mahotsav-India @ 75. Innovation Hub, Pushpa Gujral Science City, jointly with Grassroots Innovations Augmentation Network (GIAN) organized Science Fest 2021 to promote innovation and creativity amongst the school students through development of working models in the various fields of Science & Technology. Prof Anil K Gupta, Founder, Honey Bee Network, SRISTI, GIAN & NIF during his motivational address to budding scientists said that Creativity is a function of knowledge, curiosity, imagination and evaluation that leads to innovation. The greater is your knowledge base and level of curiosity, the more potential innovative ideas you can achieve. But simply having knowledge does not guarantee the generation of new ideas or creativity. One needs to be highly innovative and creative to shape their ideas. He stressed that we must give room to the young minds to think independently to get fruitful outcome for the welfare of society.

More than 300 students from different schools of Punjab participated and showcased their interactive innovative models. Cash Prizes were given to the winners.







#### **Winners of Science Fest-2022**

1st Prize: Himanish Aggarwal, Mehadeep Singh & Pawan Kumar Project Title: Smart Cozy Frosty Gadgets

2nd Prize: Varinder Singh & Khushpreet Singh, Govt. High School, Harnamdaaspura.

Project Title: Self made Vaccum Cleaner

3rd Prize: Ansham & Vipan Kumar, GSSS Baddowal Project Title: Accident prevention road safety model

Consolation: Naaz Mago & Rhea Gupta, Cambridge International School

Project Title: LPG Leak Notifier

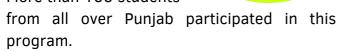
Consolation: Aadit Bharti & Vansh Goyal, YS Barnala Project Title: Smart Stick

# WORLD SCIENCE DAY FOR PEACE AND DEVELOPMENT (NOVEMBER 10, 2021)

World Science Day for Peace and Development is an international day that highlights the important role that science has in society and is celebrated each year on November 10. It also highlights the need to engage the wider public in debates on emerging scientific issues. Pushpa Gujral Science City celebrated the day in virtual mode. The theme for World Science 2021 was "Building Climate-Ready Dav Communities'". Er. Anui Sinha Scientist 'G" DST, GOI), Chairman of the Board Network Organizations of S&T Communication was key speaker at this occasion.

The focus of talk was "Science for and with Society". In his address, he said that there is need to link science more closely with the masses so as to ensure that citizens are kept informed of developments in science and emphasized its importance in addressing the

problems of the society.
He encouraged students to showcase their talent in many prestigious science fairs being organised at local, national and international levels.
More than 100 students



# WORLD AIDS DAY (DECEMBER 1, 2021)

World AIDS Day, designated on 1 December every year since 1988, is an international day dedicated to raising awareness of the AIDS pandemic caused by the spread of HIV infection and mourning those who have died of the disease. PGSC is creating awareness about AIDS through its AIDS Gallery set up with support of Punjab State AIDS Control Society. since 2009. Sh. Sandeep Mittal, Deputy Director, Chandigarh State AIDS Control Society was the resource person at the webinar organized on World AIDS Day. Sh. Mittal spoke on "National AIDS Control Program to combat epidemic of HIV/AIDS - End inequalities, End AIDS". He said , "HIV remains a major public health issue that affects millions of people worldwide. India has made significant progress in recent decades". Sh. Mittal further said that division, disparity and disregard for human rights are among the failures that allowed HIV to become and remain a global health crisis and now COVID-19 is exacerbating inequities and disruptions to services, making the lives of many people living with HIV more challenging.



Sh. Sandeep Mittal, Deputy Director, Chandigarh State AIDS Control Society

# NATIONAL POLLUTION CONTROL DAY (DECEMBER 2, 2021)

National Pollution Control Day is organized 2nd of December every year on remembrance of people who lost their lives in Bhopal gas disaster. This industrial accident occurred in 1984 when a poisonous gas Methyl Isocyanate got leaked during the intervening night of December 2 and 3 from Union Carbide Pesticide Manufacturing Plant situated at Bhopal, Madhya Pradesh. PGSC organized a webinar at this occasion. Er. Krunesh Garg, Member Secretary, Punjab Pollution Control Board was the key speaker. Er. Garg said that the day aims to bring awareness amongst people about pollution prevention with the key objective to educate them about importance of Pollution Control Acts and make them aware about industrial disasters. He urged the students especially from rural areas to sensitize their families especially the farming community, not to burn crop stubble which not only damages the soil texture by affecting its fertility but also pollutes the environment and cause harm to human health. He added that Punjab Government is making lot of efforts to provide alternatives to farmers to control stubble burning in Punjab. Around 70 students and teachers from all over Punjab participated through virtual mode.

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

### NATIONAL ENERGY CONSERVATION DAY ( DECEMBER 14, 2021)

National Energy Conservation day, celebrated on December 14 every year is a reminder of India's committeent to clean energy and combating climate change. India celebrated the day under the theme 'Energy Efficient India' under Azadi ka Amrit Mahotsav. Pushpa Gujral Science City, Kapurthala organized 'National Energy Conservation Day' in collaboration with Punjab Energy Development Agency (PEDA) 14.12.2021 at PGSC campus. Prof. Jaspal Singh Sandhu, Vice Chancellor, Guru Nanak Dev University was the Chief Guest. Model display and Science play competitions were organized on the theme "Save Energy-Save Future". In his address, he said the renewable energy sources play a vital role in securing sustainable development ensuring access to affordable, reliable, sustainable, and modern energy for citizens. The primary objective for deploying renewable energy in India is to advance economic development, improve eneray security, improve access to energy, and mitigate climate change. Further, strong government support and the increasingly opportune economic situation have pushed India to be one of the top leaders in the world's most attractive renewable energy markets, he added. At this occasion Dr. Neelima Jerath also congratulated PEDA for receiving the National Energy Conservation Award under State Performance Awards by Bureau of Energy Efficiency, Govt. of India under Institutional category. Cash prizes were awarded to the winners.



#### **SCIENCE PLAY COMPETITION**

1st Prize: Tara Convent School, Malerkotla 2nd Prize: Parbhat Public School, Amritsar

3rd Prize: Guru Harkishan Public School, Kapurthala

#### **PROJECT MODEL COMPETITION**

1st Prize: Dass & Brown World School, Ferozepur 2nd Prize: Pioneer Convent School, Malerkotla 3rd Prize: Rayat Bhara School, Hoshiarpur.



NATIONAL MATHEMATICS DAY ( DECEMBER 22, 2021)

Mathematics is an important skill which promotes logical reasoning and critical thinking. India has been a leader in mathematics since times immemorial. Pushpa Gujral Science City in association with Himachal Pradesh State Council for Science, Technology & Environment (HIMCOSTE), celebrated National Mathematics Day by organizing a virtual tour of Mathematics Gallery followed by hands on interactive session using mathematics tool kits. 300 Students from different schools of Himachal Pradesh participated in the event.

The day was also celebrated in collaboration with Punjab State Council for Science & Technology. A hands-on session on mathematics was organized wherein students learned fundamental concepts and easy method to solve problems regarding areas, volume of different shapes like cylinder, triangle, square, rhombus and rectangle. They also learned various algebra formulas through math kits.



# From the Innovation Hub

# Workshop on Electronics Automation (OCTOBER 16, 2021)

The workshop was organized for students of KMV College, Jalandhar. The students learned designing of electronics automation circuits like automatic switching on/off of lights using Infrared & LDR sensor. Students developed their own sensor based circuits through circuit designing software. Seven students participated in the workshop.

# Workshop on Ideation & Creation (OCTOBER 26, 2021)

The workshop was organized for students of KMV College, Jalandhar. The students learned about various processes involved in creation of idea to its development. They also discussed their innovative ideas and were given suggestions regarding further development of their ideas. Eight students participated in the workshop.

# Workshop on Wireless electronics (NOVEMBER 22, 2021)

The students learned about encoders and decoders used in wireless connectivity using RF transmitter and receiver. They designed wireless circuits on their own and learned how to control devices through RF module. The workshop was organized for KV-II Kapurthala. Eight students participated.

### Workshop on assembling of Robot (DECEMBER 1, 2021)

The workshop was organized for Lord Krishna School, Sultanpur. 24 students participated. Hands on session on Assembling of simple Dig detector robot was organized. The participants learned techniques to assemble a robot. They also learned various parts used in making a robot.



# Workshop on Robotics and its programming (DECEMBER 2, 2021)

In this workshop, the students learned the robot. basic structure of They qot opportunity to assemble an obstacle detector robot using ultra sonic sensor through interactive kits. In the programming session, students learned coding technique for detection in robots. The workshop was organized for Lord Krishna School. students participated.

### Workshop on Smart sensors (DECEMBER 12, 2021)

The workshop was organized for Lord Krishna School, Sultanpur. 25 students participated. The participants were introduced to smart sensors. Students learned working of various sensors like LDR, IR, temperature sensor and their interfacing with micro controller. They made virtual circuits using sensors on a computer software.

# Lets make obstacle detector robot (DECEMBER 13, 2021)

Students made Obstacle detector robot. They learned how to operate and program the robot.25 students from Lord Krishna School, Sultanpur participated in the workshop.

Workshop on Basic Electronics (DECEMBER 18, 2021)

The students learned working of various electronic components like transistors, capacitors, diodes, resistances, relays etc. An introduction to circuit designing was also given to the participants. They made simple circuits like AC to DC converter on their own. 11 students from Swami Swantantranand Memorial College, Dinanagar participated.

e-newsletter: Buzzer



### Women Technology Park

Empowerment of Rural Women through Science based skill development' is an initiative taken by PUSHPA GUJRAL SCIENCE CITY in collaboration with SEED Division, Department of Science & Technology, GoI to empower the women in rural areas. The project offers training to the rural women in Mushroom Cultivation ( with special focus on Pleurotus sajor caju), Preparation of Cow Dung Logs & Pots and Value Addition to textiles (Hand Block Printing and Computer Assisted Embroidery).

During the past quarter, 65 women were trained in Dhingri cultivation, 21 women were trained in Block printing and orientation sessions in 6 villages were organized with participation of 111 women. The WTP team also participated in food & Nutrition show organized by PGSC by putting up a stall showcasing products made by WTP trainees.



Reaching the Unreached through Mobile Science Exhibition Bus

The exhibition covered 90 schools, reached out to >31000

students and general public in rural areas (Distt. Faridkot, Bathinda, Fazilka, Muktsar Sahib, Faridkot, Sangrur, Mansa and Bathinda).

### Field Visit under Environment Studies

Field visit of 2818 students was conducted in the past quarter for Punjabi University, Patiala; Maharaja Ranjit Singh Punjab Technical University, Bathinda; Desh Bhagat University, Mandi Gobindgarh; Guru Nanak Prem Karamsar College, Nadala; Khalsa Girls College, Morinda; Sachdeva College, Mohali; Punjab College of Commerce, Fatehgarh Sahib; Sant Namdev Kanya College, Fatehgarh Sahib; Akal College, Sangrur; DAV College, Bathinda; SDAM College, Dinanagar; DAV College, Bathinda; HMV College, Jalandhar; SBAS Khalsa College, Sangrur; Govt. Ranbir College, Sangrur; Department of Business Studies, Punjabi University; Dev Samaj College for Women, Ferozepur; Hindu College,

Kapurthala; SUS Govt. College, Sunam; SDSPM College for Women,

Rayya under the compulsory course on "Environmental Studies" for Under Graduate students as per UGC guidelines.

### Might Sky watching

Night Sky watching activity was organized for 830 students at Angels Valley School, Rajpura; 204 students at HMV College, Jalandhar and for Haryana Government School students at PGSC.



Christmas celebration @ Pushpa Gujral Science Gity



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

**Discounts** 

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

Note: \*includes Food coupon worth Rs 20/-

\*\* includes food coupon of Rs.8o/-

### 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 D: 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**

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: 8837897789

#### **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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