






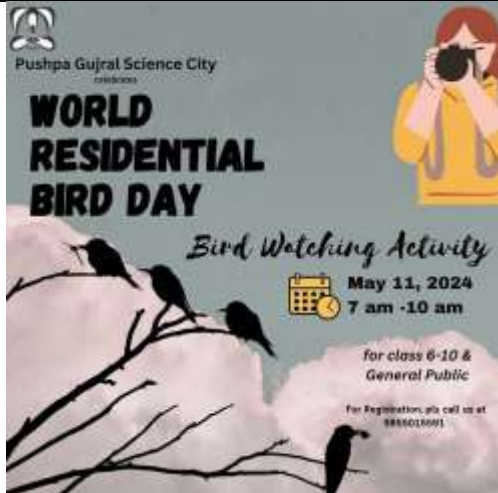
List of Events organized by PGSC (2024-25)



S. No.	Date	Events/Workshops	Speaker/Experts / Resource Person	Creative
1)	06.04.2024	Basics of Robotics Structure [Assembling]	Workshop was organized on basics of robot structure, assembling robots and motor testing & obstacle avoidance robot through LEGO EV3 coding using Lego kits for students of Innocent Hearts School, Nurpur	
2)	09.04.2024	World Health Day	Dr. Himanshu Sareen, Professor and Head, Department of Psychiatry, Punjab Institute of Medical Sciences, Jalandhar delivered a talk on "Focusing on Mental Health: How to reduce stress".	
3)	12.04.2024	Basics of Robotics Structure [Assembling]	Workshop was organized on basics of robot structure, assembling robots and motor testing & obstacle avoidance robot through LEGO EV3 coding using Lego kits for students of Innocent Hearts School, Green Model Town Jalandhar.	
4)	20.04.2024	Workshop: Introduction to Arduino Controller	A workshop was organized for students of Innocent Hearts School, Nurpur, Jalandhar involving participation of 58 students. In this session, students learnt interfacing and programming techniques. They also learnt to connect microcontrollers with sensors &	

			actuators and how to exchange data and commands between them.	
5)	22.04.2024	World Earth Day	<p>Following activities were organized:</p> <ul style="list-style-type: none"> • Expert Talk by Dr. Jagbir Singh, Retd. Professor, Zoology and Environment Sciences, Punjabi University, Patiala • Competitions on the theme “Planet vs Plastic” <ul style="list-style-type: none"> ○ Street Play ○ Best out of Plastic Waste 	 <p>Pushpa Gajral Science City celebrates World EARTH DAY 22 APRIL 2024</p> <p>Registration Time: 9:00 am - 10:00 am</p> <ul style="list-style-type: none"> • Expert Talk • COMPETITIONS: Theme: Planet vs Plastic • Street Play • Best out of Plastic Waste <p>For Registration, pls call us at 0450005941</p> <p>SPEAKER DR. JAGBIR SINGH Retired Professor Zoology and Environmental Sciences Punjabi University, Patiala</p>
6)	24.04.2024	Basics of Robotics Structure [Assembling]	Workshop was organized on basics of robot structure, assembling robots and motor testing & obstacle avoidance robot through LEGO EV3 coding using Lego kits for students of Innocent Hearts School, Loharan, Jalandhar.	
7)	26.04.2024	World IPR Day	The day was celebrated by organizing a seminar on the theme “IP and the SDGs: building our common future with innovation	



			and creativity". Er. Amardev Singh, Assistant Professor of Entrepreneurship Development and Industrial Coordination (EDIC), NITTTTR delivered a keynote address on "New Product and Process Development: A Practicum oriented to Intellectual Property and the SDGs".	
8)	29.04.2024	Programming of Robots using Scratch Coding	A workshop was organized for students of Innocent Hearts School, Nurpur, Jalandhar involving participation of 108 students wherein they learnt to program robots using Scratch, a beginner-friendly visual programming language. During the session, students explored different applications of Robots.	
9)	30.04.2024	Nest Making Workshop	A workshop was organized with an objective to provide better understanding of bird habitat and to provide home to birds in the chaotic environment of urban areas. In the workshop, hands-on experience was provided to the participants on how to make sustainable nests using natural materials like, dry leaves, bamboo sticks, coconut fibre and waste plastic containers.	
10)	04.05.2024	Workshop: Experiments with Candle	Hands-on activity on the basic understanding of combustion including role of oxygen, fuel and heat in the burning process, air pressure, surface tension, etc. were conducted.	



11)	06.05.2024	Workshop on Robotics Assembling & Introduction to Sensors	A workshop was organized for students of Innocent Hearts School, Jandiala involving participation of 43 students. In this session, students learnt how to build robots using LEGO Mindstorms kits. In the practical session, students built an obstacle-detecting robot using the ultrasonic sensor to program the robot to avoid obstacles.	
12)	08.05.2024	Workshop on Electronic Circuit Designing (Tinker CAD)	A workshop was organized for students of Innocent Hearts School, GMT involving participation of 103 students. In this session, students learnt how sensors work in circuits and creating and testing their designs using Tinkercad, an online tool for designing and simulating electronic circuits.	
13)	09.05.2024	Workshop on Food Adulteration at home	A workshop was organized with an objective to give first-hand knowledge about food adulteration, different types of adulterants used in food varieties and importance of healthy food. 56 students attended the workshop.	
14)	11.05.2024	National Technology Day	A Digital literacy camp was organized for rural women at Village Kot Kaler Khan, Kapurthala with an objective to promote internet literacy among women and empower them to harness the transformative power of technology to improve their lives and communities. The	






			participants were educated on the various uses of internet, including net banking, mobile app money transfer, creating e-mail accounts, cyber safety precautions, etc. About 60 women participated in the camp.	
15)	11.05.2024	World Residential Bird Day	Bird watching activity was organized to provide an opportunity to the students and general public to observe the birds in their natural habitat. About 30 participants attended.	
16)	13.05.2024	Basics of Robotics Structure	A workshop was organized on basics of robot structure and assembling of robots using LEGO kits for students of Innocent Hearts School, Surgical Complex, Jalandhar involving participation of 41 students.	
17)	15.05.2024	Workshop on Coding Techniques in Robotics	A workshop was organized for the students of Innocent Heart School, Loharan involving participation of 146 students. During the session, students learnt how fundamental programming skills to control robots in various scenarios using Scratch and explored different applications of Robots.	


18)	16.05.2024	National Dengue Day	<p>A panel exhibition to spread awareness about the dengue disease and ways to prevent it was displayed to the visitors of PGSC.</p>	
19)	17.05.2024	World Telecommunication and Information Society Day	<p>Following activities were organized on the theme “Digital Innovation for Sustainable Development”:</p> <ul style="list-style-type: none"> • Expert Talk by Mr. Pardeep Soni, Dy. General Manager, BSNL • Slogan Writing Competition <p>169 students participated.</p>	
20)	17.05.2024	Workshop on Electronic Circuit Designing (Tinker CAD)	<p>A workshop was organized for students of Innocent Hearts School, Nurpur involving participation of 108 students. In this session, students learnt how sensors work in circuits and creating and testing their designs using Tinkercad, an online tool for designing and simulating electronic circuits.</p>	


21)	18.05.2024	International Museum Day	A Talk on history of museums showcasing their socio-cultural importance to the individual and the society as a whole was delivered. A visit to Science City was also conducted. 132 students participated.	
22)	18.05.2024	Workshop on LEGO Programming	A workshop was organized for students of Innocent Hearts School, Jandiala involving participation of 45 students. In this session, students learnt programming motor movements to navigate a predefined path, enhancing their problem-solving and computational thinking skills using LEGO Mindstorms EV3 kit.	
23)	20.05.2024	Arc Welding Competition	The competition was organized for ITI students to encourage skill development and creativity in welding methods. The well-known welder girl, Ms. Harpal Kaur, also known as Brown Kudi, was the special guest at the event. >100 students from Govt. ITIs across Punjab participated. Cash prizes were awarded.	
24)	20.05.2024	Workshop on Robotics Programming	A workshop was organized for students of Innocent Hearts School, Surgical Complex, Jalandhar involving participation of 43 students. In this session, students learnt to code a line-following robot and practiced coding within a limited time.	

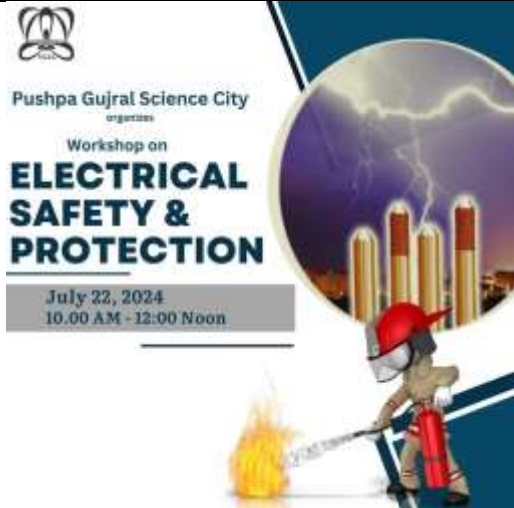
25)	05.06.2024	World Environment Day	<p>Following activities were organized:</p> <ul style="list-style-type: none"> • “Plant for the Planet” Campaign: Samplings were distributed among the visitors to encourage tree plantation <p>Environmental Quiz Competition involving participation of 57 students from 6 schools.</p>	 <p>Pushpa, Gujral Science City celebrates</p> <h1>WORLD ENVIRONMENT DAY</h1> <p>5th June, 2024 11:30 am</p> <p>Online Environment Quiz contest Platform: ZOOM</p> <p>General Rules</p> <ul style="list-style-type: none"> • Students of classes 9th and 10th are eligible to participate in the quiz. • This is an individual quiz. There are no teams. • Maximum 10 students from each school can participate. • Prior registration is mandatory. • The quiz has two rounds, i.e. First round and the final round. • First round will be a written round. Link to Google form will be sent. It will have multiple choice questions. • Answers will be checked within 20 minutes and the top 6 students will go to the final round. It is purely based on meritocracy. • Two or more students from the same school can also represent the school in this round. • In case of any ambiguity, the decision of the organizers will be final and binding. <p>Prizes for winners</p> <p>• certificate for all the participants</p> <p>Last date of registration: 3/6/24</p> <p>For queries, call 0120-22004000</p>
26)	12.06.2024	Let's Design Electronic Circuits	<p>The camp provided hands-on learning experiences involving electronic components and circuit analysis. Students were introduced to various electronic components and their functions, such as ICs, transistors, resistors, and the usage of a multi-meter. They learned to read circuit diagrams, design and build a water level indicator circuit, etc.</p> <p>Total 18 students participated.</p>	


27)	12.06.2024	Fun with Sensors	<p>Students were introduced to various sensors used in electronics, including IR, LDR, ultrasonic and gas sensors in robotics. They learnt how these sensors work through practical demonstrations.</p> <p>15 students participated in the camp.</p>	
28)	12.06.2024	Science Toy making	<p>Students created various science toys using scrap items. Students learnt basic science concepts like the center of gravity, Newton's Third Law of Motion, optics and light projection.</p> <p>14 students participated in the camp.</p>	
29)	12.06.2024	Experiments With Science	<p>In the camp, various topics like, Bernoulli's principle, Inertia , Force, Boyles law, surface tension, atmospheric pressure, mirror formula refraction, Total internal reflection, magnetism and electricity, Sound, properties of air, light, toys, oxygen needs for burning, Wave properties, etc. were explained to the students through informal teaching and fun filled activities. 35 students participated.</p>	


30)	15.06.2024	Nature Photography Day	To create awareness and motivate general masses about science and nature, an exhibition on "Nature Photography" was organized.	
31)	21.06.2024	International Yoga Day	The day was celebrated on the theme "Yoga for Self and Society". >100 people from surrounding villages attended the same. The expert speaker was Col. Sewa Singh who spoke on the importance of yoga for human health and performed 3-minute scientific yoga.	
32)	22.06.2024	Workshop on Rocketry	The camp was organized for students wherein they learnt about the science behind rocketry through hands-on-activities. They also learnt how to design and build model rockets. 10 students participated.	
33)	22.06.2024	SD-ASK: Workshop on recycled paper making	The camp was organized for students wherein they learnt the skill of handmade paper making. 10 students participated.	
34)	22.06.2024	SD-ASK: Workshop on Waste Management	The camp was organized for students wherein they learnt organic compost making. 10 students participated.	
35)	22.06.2024	Hands-on activities in Mathematics	The camp was organized that involved students in learning math through active engagement and manipulatives. 10 students participated.	
36)	26.06.2024	International Day against Drug Abuse	The day was celebrated on the theme "The evidence is clear: invest in prevention". Following activities were organized:	


			<ul style="list-style-type: none"> • Expert talk by Dr. Gagandeep Kaur, District Youth Officer, Nehru Yuva Kendra Sangathan, Kapurthala • Nukkad Natak by Nehru Yuva Kendra Sangathan <p>143 participants including students and general public attended the event.</p>	
37)	01.07.2024	Van Mahotsava	General students visiting PGSC were motivated to plant trees and conserve Biodiversity	

38)	11.07.2024	SD-ASK: World Population Day	<p>Following activities were organized:</p> <ul style="list-style-type: none"> • Expert Lecture by Dr. Chandrashekhar Singh, Asstt. Prof., Department of Sociology, Lovely Professional University on “Booming Population and its impact on Humanity: Challenges & Solutions” • Competitions: <ul style="list-style-type: none"> ○ Street Play on the theme "Empowering Women for Population Control". ○ Declamation Contest on the theme "The growing population: balancing progress and sustainability". <p>114 participants attended the event.</p>	
39)	19.07.2024 & 22.07.2024	Workshop on Arduino Microcontroller	<p>Two workshops were organized for students of Innocent Hearts School, Nurpur and GMT, Jalandhar involving participation of 208 students. In this session, students learnt about the structure of Arduino hardware and its various applications. They also learnt how to make microcontroller-based circuits that can be used in various applications.</p>	
40)	20.07.2024	Workshop on Electronics for beginners	<p>Three workshops were organized for students of Innocent Hearts School, Jandiala, Lohara and Sports & Surgical Complex, Jalandhar involving participation of 215 students. The session introduced students to fundamental electronic components and the relationship between current, voltage, and resistance.</p>	


			They learnt about LEDs, ICs, series and parallel battery combinations, and how to use a multimeter for checking continuity, resistance, voltage, and current.	
41)	22.07.2024	Workshop on Arduino Microcontroller	Two workshops were organized for students of Innocent Hearts School, Nurple and GMT, Jalandhar involving participation of 208 students. In this session, students learnt about the structure of Arduino hardware and its various applications. They also learnt how to make microcontroller-based circuits that can be used in various applications.	
42)	22.07.2024	Workshop on Electrical Safety Devices & Protection	<p>The workshop was organized to educate participants on the importance of electrical safety, the various safety devices available, and best practices for ensuring electrical safety. The resource persons from M/s Power System & Controls Pvt. Ltd, Jalandhar and M/s SSK Limited, Kapurthala shared their knowledge about electrical safety devices and protections.</p> <p>75 participants from Govt. ITI, Kapurthala, Technical Training Centre, RCF – Kpt and Govt. Mehr Chand ITI, Jalandhar attended the workshop.</p>	 <p>The poster features the logo of Pushpa Gujral Science City at the top left. Below it, the text reads 'Pushpa Gujral Science City organizes Workshop on ELECTRICAL SAFETY & PROTECTION'. The date and time are listed as 'July 22, 2024, 10.00 AM - 12:00 Noon'. The background shows a stylized cityscape with lightning bolts, and a cartoon firefighter is depicted at the bottom right, holding a fire hose.</p>
43) 44)	24.07.2024 & 25.07.2024	Workshop on Electronics for beginners	Three workshops were organized for students of Innocent Hearts School, Jandiala, Lohara and Sports & Surgical Complex, Jalandhar	

			<p>involving participation of 215 students. The session introduced students to fundamental electronic components and the relationship between current, voltage, and resistance.</p> <p>They learnt about LEDs, ICs, series and parallel battery combinations, and how to use a multimeter for checking continuity, resistance, voltage, and current.</p>	
45)	27.07.2024	Workshop on Artificial Intelligence	<p>The workshop was organized at the Innovation Hub, PGSC. Students were introduced to AI and its applications, and learnt to use the AI platform PICTO Blox. They learnt how to code and create a face detection camera that can determine a person's facial expressions. They were also demonstrated working of AI- Humanoid and its coding techniques. 31 students participated.</p>	
46)	31.07.2024	Workshop on 5S Visual Workplace Organization (31.07.2024)	<p>A workshop on 5S Methodology (Sort, Straighten, Shine, Standardize and Sustain) was organized by PGSC. 5S is a 5-step methodology originating from Japan aimed to improve efficiency and productivity at workplace. Mr. S. Bansal, Associate Counsellor, CII was the speaker and the Mr. Ricky Rana, Zonal Head, CII was also present. >100 participants comprising ITI students, individuals from technical institutes attended the workshop.</p>	

47)	05.08.2024	Workshop on House Wiring	<p>A workshop on House Wiring was organized at PGSC to introduce school students to modern wiring techniques and to educate them on electrical codes and standards. Approx. 120 students from different schools attended the workshop.</p>	 <p>Pushpa Gujral Science City organizes</p> <p>Workshop on HOUSEWIRING</p> <p>Who can Participate? 10-12 class students ITI students</p> <p>August 5, 2024 10.00 AM - 12:00 Noon</p> <p>Venue: Convention Hall, PGSC</p> <p>For queries & registration, pls call @81465 68350</p>
48)	08.08.2024	Workshop on Smart Sensors	<p>The workshop was organized for the students of Chanakya International School, Jalandhar involving participation of 50 students. In this workshop, students learnt the working and application of smart sensors, including ultrasonic and IR sensors. They also learnt how these sensors can be effectively used in home automation systems.</p>	
49)	14.08.2024	SD-ASK: International Youth Day	<p>Dr. Mahesh Sah, Assistant Professor, NIT, Jalandhar delivered a talk on "From Clicks to Progress: Youth Digital Pathways for Sustainable Development".</p> <p>>100 school students attended the event.</p>	

50)	23.08.2024	National Space Day	<p>Following activities were organized:</p> <ul style="list-style-type: none"> i) Presentation on Mission Chandrayaan ii) Poster Making & Slogan Writing competition on the theme “Touching the Lives while Touching the Moon: India’s Space Saga” <p>50 students participated.</p>	 <p>NATIONAL SPACE DAY-2024</p> <p>AUGUST 23, 2024, 9.30 AM</p> <p>Venue: Conference Hall, Admin Block, PGSC</p> <p>POSTER MAKING & SLOGAN WRITING COMPETITION</p> <p>Theme: Touching Lives while Touching the Moon: India's Space Saga</p> <p>For Registration, pls call us at 9855015591</p> <p>Organized By: Peshpa Gajral Science City in collaboration with Punjab State Council for Science & Technology</p>
51)	24.08.2024	Workshop on Science Journalism	<p>A workshop on Science Journalism through Print, Electronic, and Social Media was organized at PGSC aimed at enhancing the skills of budding journalists in science communication.</p> <p>Following activities were organized:</p> <ul style="list-style-type: none"> • Keynote lecture by Dr. Manoj Patariya, Former Head of NCSTC, DST New Delhi on the “Effective use of media in science journalism” • Presentation by Dr. Nancy Walia, Head of Department of Mass Communication & Journalism, Punjabi University, Patiala on 	

			<p>the "Scope of Science Journalism in the Digital Era"</p> <ul style="list-style-type: none"> • A Radio Feature competition on the theme "India's Achievements in Space" <p>>100 participants including young journalists, students, and teachers of Journalism & Mass Communication from various colleges across Punjab participated in the event.</p>	
52)	31.08.2024	Workshop on Coding Techniques	The workshop was organized for the students of Innocent Heart School, Jalandhar. Students learnt Arduino and Scratch coding, gaining practical skills through guided sessions. 100 students participated.	
53)	01.09.2024 – 07.09.2024	SD-ASK: National Nutrition Week	National Nutrition Week was celebrated by displaying a panel exhibition on different State's food at PGSC for the visitors. The objective of the exhibition was to create awareness about the importance of nutritional diet and encourage to adopt healthy eating habits.	
54)	04.09.2024	Workshop on Artificial Intelligence	Workshop on Artificial Intelligence was organized for the students of Innocent Heart School, Lohara. Students learnt how AI can understand human emotions, detect objects in real time, and recognize faces accurately. 147 students participated.	

55)	07.09.2024	World Ozone Day	<p>World Ozone Day was celebrated at PGSC. Following activities were organized:</p> <ul style="list-style-type: none"> • Expert talk by Dr. Lakhvir Kaur Dhaliwal, Professor, Climate Change and Meteorology, PAU • Debate Competition on “Should countries be held accountable for their ozone-depleting emissions” • Painting Competition on “Protect the Ozone Layer” <p>The event was organized to educate children about the importance of Ozone layer and the impact of ozone depletion and encourage them to take action to preserve it.</p> <p>120 students attended the event.</p>	 <p>Pushpa Gujral Science City celebrates</p> <h1>World Ozone Day</h1> <p>September 7 9.30 am</p> <ul style="list-style-type: none"> • Expert Talk • Debate • Painting Competition <p>for class 8-10</p> <p>GUIDELINES FOR DEBATE COMPETITION Topic: Should countries be held accountable for their ozone-depleting emissions?</p> <ul style="list-style-type: none"> • Maximum 2 students from each school, 1 to speak FOR the motion & 1 to speak AGAINST the motion. • Each participant will be given maximum 2 minutes time to speak either in favour or against the subject. • A warning bell will be given after 2 minutes and a final bell after 3 minutes. • If the participants exceed the allocated time then the marks will be deducted at the discretion of the judges. <p>GUIDELINES FOR PAINTING COMPETITION Topic: Protect the Ozone Layer</p> <ul style="list-style-type: none"> • Duration: 1 hour 30 min • 10 colours per school are allowed. • Participants to bring their own colours. A3 size sheet will be provided by organizers. • Decision of Judges will be final and binding. <p>Last date of registration: 3/9/24</p>
56)	08.09.2024	Grand Parents Day	<p>PGSC offered free visit to Science City to all grandparents who came with their grandchildren.</p>	
57)	09.09.2024	Introduction to Power Back-up System	<p>The participants were introduced to various backup system, highlighting their importance and about the components of these focusing on their individual functions and the principles behind their operation. 71 ITI students participated.</p>	
58)	14.09.2024	Engineers Day	<p>Engineers Day was celebrated by organizing Robotics Championship. The following two rounds to showcase innovative approaches to engineering problems were conducted:</p>	

			<ul style="list-style-type: none"> • Robo Sumo Fight • Robo Off Roding <p>290 students/teachers from different technical institutions participated.</p>	
59)	17.09.2024 – 30.09.2024	Swachhta hi Sewa campaign 2024	<p>was organized at PGSC by conducting the following activities:</p> <ul style="list-style-type: none"> • Awareness on Clean water through live demonstration at Mission Tandrust Punjab Gallery • Awareness campaign titled “Hara Geela, Sookha Neela” (waste segregation and management) • Cleaning of PGSC premises <p>To celebrate the Jan Andolan for Swachhata – a tribute to Mahatma Gandhi’ and to spread awareness among citizens of Punjab about Swachhata</p>	
60)	24.09.2024	Workshop on Quality Management System	<p>Organized with an objective to educate participants on the fundamental principles and concepts of Quality Management Systems. The participants learned about ISO, ISI, Kaizen activities, Quality Assurance, and Quality Control.</p> <p>>100 school and ITI students attended the workshop.</p>	
61)	25.09.2024	Workshop on Air-conditioning	<p>Organized on fundamentals of air-conditioning system, types of AC Units, installation and maintenance best practices, troubleshooting common issues and energy efficiency tips.</p>	

			90 school and ITI students participated.	
62)	28.09.2024	Green Consumer Day	was celebrated by organizing a project / model /idea display contest on “Zero Waste Challenge” to raise awareness about role of an individual to protect the planet. 41 projects / models /ideas towards Zero Waste practices in schools were presented. 121 students and teachers participated.	