

Pushpa Gujral Science City INNOVATION- HUB



Ideas Inspiring Innovations by budding Innovators

Innovations are the creative activities of potential minds to undo complexities of the situation and bring in simplicity to achieve the desired result.

Innovation is the process of turning ideas into manufacturable and marketable form."— Watts Humprey

Technologies and Innovations have contracted the world into a small town wherein everyone is in contact with each other and an atmosphere of competitiveness has developed. To make modern technology handier and cheap, innovative technologies are being used. Every country is engaged in innovations so that best can be brought out. Therefore, focus is being given on developing culture of innovation & creativity. Innovations are the major tools in their hands to capture market and sustain growth for inclusive prosperity. There is global competition; the ones with new ideas are ruling the market. One sees a surge of innovation all around the world. The stream of innovations is flowing continuously. The innovations are taking place inside and outside of the research labs. The former president has declared the present decade (2010 to 2020) as decade of innovations. In spite of several researches, innovative students

need suitable platform to realize their imagination.

The PGSC has taken up this initiative in collaboration with NCSM, GOI to meet the requirement of the budding innovators as small scale basis.

Innovation Hub: It is a new avenue to motivate students by providing a suitable platform to generate curiosity and interest about science. This hub will cover all basic science labs as well as technical labs such as Robotics & Mechanical lab equipped with modern tools that will add up the knowledge of the young students. Students can give practical shapes to their hypothetical ideas under the guidance of mentors. This will help in building society innovative & creative and also promote grass root innovations. Such activities will bring out the hidden creativity in the children and make them to think beyond their text books. Innovation hub will help students in developing a deep understanding of life science topics, engineering as well as emerging field of Biotechnology. This facility is available to the registered members and is opened for students, teachers and institution through annual membership on nominal payment basis.

Main Objectives

- To provide practical learning and engage the youth in the process of Science, Technology & Innovations
- To promote their critical thinking and practical problem solving skills.
- To support the innovative ideas and convert their ideas to a useful product or fruitful outcome
- To recognize, encourage and facilitate grass root innovations in S&T

Facilities of Innovation Hub

Hall of Fame

- ❖ Stories of major inventions and their inventors in different field will be told through multimedia Kiosks

Resource Centre

- ❖ Internet facility will be provided so that access to innovation centric resource, E-journals, Books and grass root innovation

Innovation Laboratory

- ❖ Facility for carrying out basic and innovative projects of young innovators Multi-disciplinary labs i.e. Physics, Chemistry and Biology lab are available
- ❖ Facility is for lab scale and pilot scale experimentation

Design Studio

- ❖ Latest software for designing and modeling
- ❖ Facilities for prototype development of innovative ideas
- ❖ 3 D printers for designing of an objects

Tech Lab :

Robotics, Electronics & Mechanical lab for carrying out experiments or fabrication of new projects proposed by young innovators.

Activities at the Innovation Hub

Tod Fod Jod (Break and Remake)

Students learn things through hands on activity. They learn the engineering of the products.

Kabad se jugad (make useful product from waste material)

Students make things from waste material, scrap s or low cost material.

Idea box

Students can generate their own innovative ideas and contribute to create idea bank. Best ideas will be chosen for experimentation, model making and project works.

Turning innovative ideas into practical reality:

Students having innovative idea will be supported and allowed to give practical shape to their innovative ideas. Expert help will also be provided for assisting in his or her project work.

Societal problem realization & finding their solution thereof:

Students will identify or may be given a real life societal problem to work out for a suitable technical solution

Annual Membership

School students of class 7th to 12th class can become member for one year by paying a nominal fee of Rs. 500/- and for individual & college students (ITI/Diploma/Engg.) membership fee is Rs 1000/-. Fee will be charged in cash or through Demand Draft in favor of Pushpa Gujral Science City, Kapurthala. The school students will be required to get the consent of their parents and need to submit two photographs. A membership card will be issued to the members. They can renew their card within 15 days of the completion of their tenure.

Membership Benefits

Access to the gallery and various labs of Innovation Hub for 1 year

Access to library and broadband facility

Invitation for special educational programmes and popular science lectures

School Groups visits

School students in groups (max. 40) can take part in various activities of Innovation Hub through prior booking by paying a nominal fee.

One teacher can be accompanied with the group.

Booking will be done on first cum first serve basis.

Working hours

Open for 7 days a week (Except National Holidays)

Morning Session : 10:30 AM to 01:30 PM

Afternoon session : 02:00 PM to 05:00PM

Contact No. 8146561236

Mr. Vishal Sharma

Membership Form

Individual _____

Name of the student _____

Class _____

School _____ AGE _____

Address _____

Phone/ Mobile No. _____

Email _____

Preferred day _____

Proffered session _____

Date _____

Signature

DECLARATION

I, _____ , father/ mother/
guardian of _____ give my unconditional
consent for joining of my son/ daughter to the Innovation Hub at PGSC, Kapurthala. It is
certified that my ward is physically fit to take part in the activities & is not suffering from any
allergy/ diseases. (Medical certificate is required in case the child is allergic)

(Signature of Parent/ Guardian)

Note: The admission will be based on prior confirmation only. Please tear off this form and
submit to the Official/Junior Mentor of Innovation Hub. Necessary Membership fee will have to
be deposited after the application request is accepted by PGSC, Kapurthala.