INNOVATION HUB
A place for doing things differently
Background

The world's conventional resources are shrinking with every passing day. As a result, nations and societies across the globe are in a severe competition for finding new ways and means to support and sustain growth and development. In this competitive environment, innovation is seen as the engine for inclusive prosperity and sustainable growth for humanity as a whole.

Innovation today is increasingly going beyond the confines of formal R&D to redefine almost every aspect of human life. Today innovation goes beyond creation of new products and services to include unique applications of old technologies to provide locally appropriate, cost-effective solutions for products and services that help improve overall quality of human life and environment.

In India, as we prepare to move from a resource-based limited economy to a knowledge-driven prosperous and sustainable society, there is an urgent need to promote and nurture the innovative potential of our youth and imbibe an innovation-centric mindset in our people. Realizing this, the President of India declared the present decade (2010-2020) as the 'Decade of Innovation' for promoting national competitiveness in the 21st century.

Innovation Hub at North Bengal Science Centre, Siliguri

With this in background, North Bengal Science Centre, under the NCSM, Ministry of Culture, Govt. of India, is launching 'Innovation Hub' to provide a platform for our youth to engage in innovative and creative activities. The underlying idea is to promote critical thinking and problem-solving ability through hands-on activities and experiments.

Objectives

- To engage our youth in creative hobbies & activities.
- To promote their critical thinking and practical problem solving skills.
- To support their innovative ideas to come to fruition.
- To recognize, encourage and reward youth innovation in S&T.

Components of the Innovation Hub Hall of Fame

Multimedia kiosks telling the stories of major inventors and their inventions in various fields.

Innovation Resource Centre

Broadband internet terminals providing online access to innovation-centric resources, e-journals, books and grass root innovation portals etc.

Innovation Lab

Facility for carrying out innovative activities, experiments and projects in a multi-disciplinary set-up.

Tech Lab: Robotics & Microprocessor Programming Facility

Facility for creative and innovative projects in robotics and microprocessor programming for practical applications.

Design Studio

3D printer and other digital equipment to facilitate innovative design and prototype development work.

Activities at the Innovation Lab

Tod-Fod-Jod

Students learn to do things with their own hands, dismantle, reassemble and remake devices/gadgets.

Kabaddi Jugaad

Students learn by doing things practically using scrap materials.

Idea Box

Students generate their own innovative ideas and create an idea bank. The best ideas are chosen for experimentation/model making/project work.

Design your own innovative model / kit

Using the ‘Design Studio’ facility, students can design and develop their own prototype models/kits.

Make your own science models / kits

Students work on an innovative idea and make a working model or kit on it using innovation lab facilities.

Robotics

Students will be trained for creative and innovative projects in robotics for various practical applications.

Real life problem identification & solution finding

Students identify or are given a real life problem of practical importance and work for a possible technical solution in the form of a product, implement or process.

Investigative projects

Students generate or are given mini research projects and work under the guidance of experts.
Innovation Hub Membership Form

Individual □ Institutional □

For Individual Members:
Name of the Student ____________________________
Name of School/College ____________________________ Class ______
Residential Address ____________________________
Phone ____________________________
E-mail ____________________________
Preferred days (Either of Saturday or Sunday)

For Institutional Members:
Name of School/College ____________________________
Address ____________________________
Phone No ____________________________
E-Mail ____________________________
Preferred Days ____________________________

Signature of Applicant ____________________________

Note: Please tear off this form and submit to the Education Department of North Bengal Science Centre.

For assistance, please contact:
Project Co-ordinator (9933471510)
Education Officer (9832532495)

Necessary membership fee will have to be paid after the membership application is accepted by North Bengal Science Centre.

Presentation of work
Students will be required to document their daily works and at the completion of each work or project session, present the work before their peers and mentors. Good works/projects will be displayed at the various Science Innovation Fairs organized by North Bengal Science Centre.

Membership
Facilities of the Innovation Hub will be available on yearly membership basis (for a minimum period of one year) to school and college students as per details given below:

Individual Membership
School Students of classes VI to XII (Rs. 1000/- yearly)
College students from science & engineering streams (Rs. 2000/- yearly)

Note: Fee waiver available for deserving students from underprivileged sections on merit basis.

Institutional Membership
Schools/Colleges can also become institutional members by paying annual membership fee Rs. 5000/- (for schools) and Rs. 6000/- (for colleges). However, batch size per session at the Innovation Hub will be restricted to 15 heads for schools and colleges.

Membership Benefits
• Access to Innovation Hub facilities throughout the year.
• Free entry to the galleries upon showing membership ID card.
• Invitation to special educational programs and Popular Science Lectures at North Bengal Science Centre.

Working Hours

Individual Members
Saturdays & Sundays (except National Holidays)

Institutional Members (on prior booking only)
Monday to Friday (except National Holidays)

North Bengal Science Centre
National Council of Science Museums, Ministry of Culture, Govt. of India
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Ph- 0353-2571229, E-mail: nbcsiliguri@bsnl.in
Website: www.nbcsiliguri.org

Hours of opening: 10:30 am to 6:30 pm
Closed to visitors on: Holli & Diwali