

Innovation, creativity.....is just connecting things. When you ask creative people how they did something, they feel a little guilty because they didn't really do it, they just saw something. It seemed obvious to them after a while. That's because they were able to connect experiences they've had and synthesize new things."

- Steve Jobs

"Forget what you know, and what you think you know. Be prepared for changes, be open to new ideas, and test often. You'll be surprised by what reality has for you. And most importantly, learn from each such small experiment, though you think you know it all. I sure thought I know a lot, but keep learning every single day."

- Ziv Meltzer

In the present era, the world's conventional resources are becoming scarce day by day, as the demand for more and more is on. People are finding new ways and means to sustain growth and development worldwide. There is a global competition and the ones with new ideas are ruling the market. In this competitive environment, innovation is seen as the engine for inclusive prosperity and sustainable growth. In the past, lots of innovations have taken place both inside and outside the labs. This process is still continuing. In spite of several research laboratories, innovative students need some platform to realize their imagination. The President of India had declared the present decade (2010-2020) as the decade of Innovation. The National Council of Science Museums has taken up an initiative to meet the requirements of budding Indian scientists on a small scale. The Innovation Centre at Raman Science Centre, Nagpur will cater to this need of people of Central India.



Innovation Centre at RSC, Nagpur: This will provide a platform to the youth of Vidarbha to engage in innovative and creative activities. The underlying idea is to promote scientific and critical thinking and problem solving ability through hands-on activities. A laboratory equipped with an adequate set of tools and scientific instruments has been setup in the Centre. This facility will be available to the registered members who may be students, teachers or institutions on nominal payment basis.

Main objectives :

- To engage our youth in creative hobbies & activities in science & technology
- To promote their critical thinking and practical problem solving skills
- To support their Idea to come to fruition
- To recognize, encourage and facilitate local innovations in S&T.

Facilities at Innovation Centre

Hall of Fame:

Stories of major inventions and their inventors in different field will be told through multimedia kiosks

Innovation Resource Centre:

Broadband Internet terminals will provide access to innovation centric resources, E-journals, Books and grass root innovation portals etc.



Innovation Laboratory:

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

Tech Lab :

Robotics, electronics & microprocessor programming facility which will aid design and creation and innovative projects for practical applications and solutions.

Activities at the Innovation Hub :

Tod Phod Jod (Break and Remake) : Students learn to do things with their own hands and also learn the engineering of products.

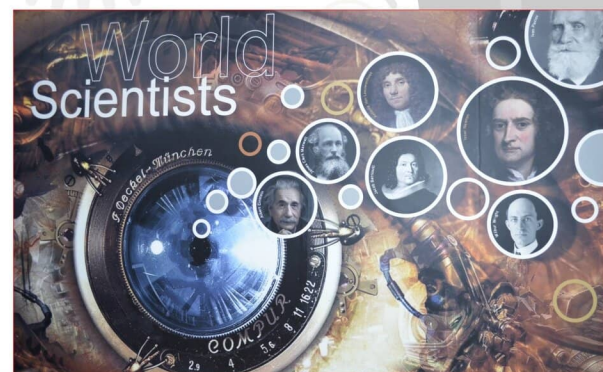
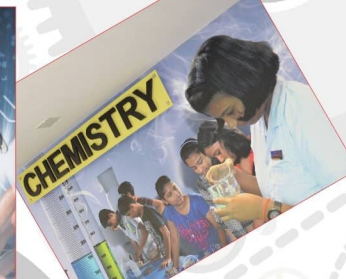
Kabad se Jugad (Build from Scrap) : Students make things from waste, scraps or low cost materials.

Idea Box : Ideas which occur to Students, and have the potential to drive an innovative product or process can be submitted to an idea bank. The best ideas are chosen for experimentation, prototyping and actualisation.

Make your own Science Models/Kits : Students can convert their ideas to make their own innovative science models or Kits.

Real life problem identification & finding their solutions : Students will identify or may be given a real life problem of practical importance to work for a possible technical solution.

Investigative Projects : Students will be given or will generate their own mini research projects and work under the guidance of experts /mentors. Their findings will be printed and submitted to the Innovation Centre, where they will be preserved for future reference.



INNOVATION CENTRE

Membership form

Individual

Name of Member _____

Address _____

School _____

Course pursued _____

Class _____ Age _____

Phone _____

Email _____

Preferred day _____

Preferred session _____

Date _____ Signature _____

DECLARATION

I, _____
father/mother/legal guardian of _____
_____ hereby give my unconditional consent to my son/daughter/ward for joining the Innovation Centre of RSC, Nagpur. I hereby certify that my son/daughter/ward is physically and mentally fit to take part in any activity that the Innovation Centre may plan and conduct. My son/daughter/ward is not suffering from any medical condition or allergy, except that which is mentioned in the enclosed medical certificate. RSC, Nagpur will not be held liable for any accidents that may occur during the course of the activities being carried out.

(Signature of Parent/Guardian)

Note: The admission will be based on prior confirmation only. Please tear off this form and submit to the Education department of Raman Science Centre, Nagpur. Necessary membership fee will have to be deposited after the application request is accepted by RSC, Nagpur.

Projects at the Innovation Centre:

Students will be required to document their daily works at the completion of each project session. Good works/projects will be posted on the website of the Centre and they may get opportunity to participate in the Science/Innovation Fairs organized by the Council or any such bodies. New ideas that are likely to benefit the society shall be encouraged. The students, after becoming members, will submit their project proposal or ideas. They can start working on the project after it is duly approved by the expert committee.

Membership : School students of classes VI to XII can become individual member for one year by paying a nominal fee of Rs. 1000/- through electronic transfer or Demand Draft in favour of Raman Science Centre, Nagpur. They 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 premises of the Innovation Centre for one year.
- Access to RSCN Library for reference study.
- Free entry to the galleries of the Centre.
- Invitation to special educational programmes and Popular Science Lectures at RSCN.



School groups visit :

School can send their student groups (max.40) accompanied by a teacher for Innovation Centre on prior booking basis by paying a nominal fee. Booking will be done on first cum first serve basis. For further details, they are advised to contact the education cell

Working hours :

Winter Timing (Nov to Feb)

Morning Session : 10.30AM to 01.30PM

Afternoon Session : 02.00PM to 05.00PM

Summer Timing (Mar to Oct)

Morning Session : 11.30AM to 02.30PM

Afternoon Session : 03.00PM to 06.00PM

For Individual members

Saturdays & Sundays (Except second Saturday & National Holidays)

School Group (On prior block booking, Rs 100/- per student)

Monday To Friday (Except National Holidays)



For assistance please contact

RAMAN SCIENCE CENTRE & PLANETARIUM

(National Council of Science Museums)

Opp. Gandhi Sagar, Nagpur - 440018

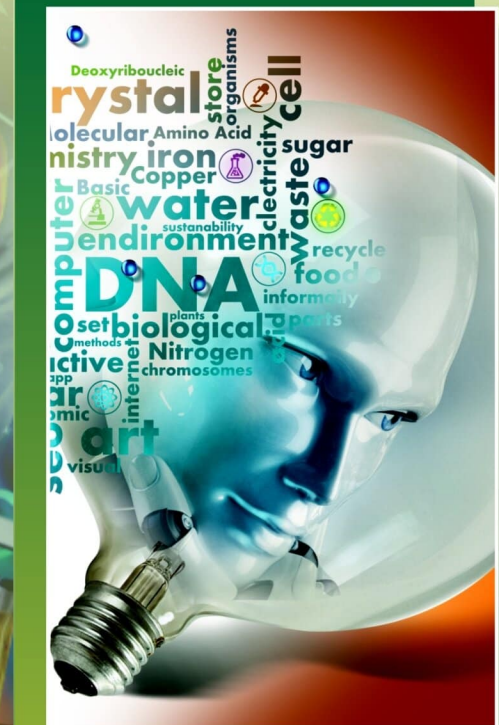
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Inspiring Innovations by the Young

INNOVATION CENTRE



INNOVATION CENTRE
RAMAN SCIENCE CENTRE AND PLANETARIUM
(National Council of Science Museums)
Ministry of Culture, Govt. of India