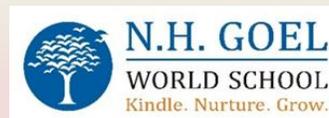


INFORMATION PACK



INDIAN YOUNG INVENTORS AND INNOVATORS CHALLENGE

(IYIIC)

(A Program of NOSTC, Delhi)

**Inviting the sharpest minds to prove their
creativity!**

Theme:

Cultural Creativity – Inventions with Indian Identity Tagline

Organized by

**Network of Organizations for Science and
Technology Communication**

Pandavnagar, Delhi 110 091

In collaboration with

N. H. GOEL World School, Raipur, Chhattisgarh

Do you want to invent the future?

INDIAN YOUNG INVENTORS AND INNOVATORS CHALLENGE (IYIIC)

"This initiative aspires to empower the youth in transforming their dreams into reality by becoming tomorrow's technology pioneers. We warmly invite bright and imaginative young minds to harness the power of science and innovation to develop creative, practical solutions to real-life challenges faced by society."



IYIIC is brought to you by



This Information Pack Replies to Your Curious Questions about the Challenge

What is IYIIC?

Our youth is wonderfully creative and uses knowledge and ideas to solve complex problems. People are tackling local problems and making invaluable contribution to the society. IYIIC (Indian Young Inventors and Innovators Challenge) aims to attract young dreamers and problem solvers to present and display their ideas and products and get recognition for their creativity.

Who is eligible to participate?

Every Indian innovator and/or inventor is invited to participate in IYIIC -students, researchers, scholars, farmers, artisans, factory workers, laboratory technicians, scientists and others. You can demonstrate your original solutions, inventions and innovations either alone or as a team. You can have a team of up to two persons. You must be in the age group of 14 to 30 years as on 31st Dec 2021 (authentication will be needed).

Will entries of all age group be combined for prizes and medals?

"No, entries from all age groups will not be combined for prizes and medals. There will be separate categories, as follows:

- **Category A (15–20 years): Young Innovators**
- **Category B (21–25 years): Emerging Tech Leaders"**

Will there be conventional categories like Physics, Chemistry, Biology, etc.?

Will there be conventional categories like Physics, Chemistry, Biology, etc.?

No. Sustainable solutions typically require inputs from multiple disciplines. The IYIIC will categorize your entry based on its **societal impact**—such as in **agriculture, health, education**, and other sectors. The Registration Form will guide you in choosing the appropriate category. Some broad **impact-based thematic areas** under consideration include:

1. Global Fusion of Traditional Arts & Technology
2. Sustainable Innovations from Indigenous Wisdom
3. Languages and Learning Across Borders
4. Modern Solutions Inspired by Indian Heritage
5. Reviving Traditional Crafts through Technology
6. Celebrating Indian Languages and Festivals Creatively
7. Indian Food Wisdom Reimagined
8. Folk Games and Learning Tools
9. Rural Innovations for Local to Global Impact
10. Spirituality and Mindfulness in Everyday Life
11. Indian Mythology Meets Modern Media



These themes highlight the interdisciplinary nature of innovation encouraged by the IYIIC.

What type of entry will IYIIC welcome?

The **Indian Young Innovators and Inventors Challenge (IYIIC)** welcomes entries that offer **sustainable, community-centred solutions** with **real-world impact**. Instead of focusing on conventional academic categories like Physics, Chemistry, or Biology, IYIIC emphasizes innovations that address **societal challenges**—in areas such as **health, agriculture, education, energy, livelihoods, culture, and environment**.

Your entry could be:

- A **practical solution** that responds to local needs and reflects community values
- A model that **reduces drudgery** or improves quality of life
- A piece of **applied research** that increases efficiency or resource use
- A **business plan** that promotes sustainability and ethical practices
- A creative approach to **revive cultural heritage** using modern tools
- An innovation that bridges **traditional wisdom and contemporary needs**

Entries that demonstrate interdisciplinary thinking, cultural relevance, and potential for scalable impact will be especially encouraged.

When do I submit my entry?

Entries must be submitted online through the official portal: www.nostc.in by the last date – 31st August 2025.

Each submission must include:

- Registration fee of Rs. 500/- per project, and
- An abstract of your innovation or invention, between 250 to 300 words, incorporating the following:
 - Background of the problem or need
 - Methodology or approach used
 - Outcome or conclusion highlighting the potential impact

Make sure your abstract is clear, concise, and effectively presents the essence and significance of your project.

How to Participate?

- Complete the registration and submit your entry online through the official website: [www.nostc.in](http://nostc.in) on or before 31st August 2025. May directly clicking on the link: <http://nostc.in/online-registration/>
- A token registration fee of Rs. 500/- per project must be paid at the time of registration. An acknowledgement receipt will be issued upon successful submission.
- Use the registration number in all future correspondence.
- Entries will be shortlisted by the jury based on the evaluation of the submitted abstract for participation in the National Event of IYIIC.

Can composition of team or title of project be changed?

Each project must be presented by a single inventor only.

No changes in the title, project content, name of the innovator, address, or other details will be allowed after evaluation and issuance of invitation to the National Event.

Any such change after this stage will lead to disqualification of the entry.

What are the registration charges?

Entry is subject to a token registration fee as follows:

- (a) Rs. 500/- (Rupees Five Hundred only) for entries in the Juvenile Category
- (b) Rs. 500/- (Rupees Five Hundred only) for entries in the Youth Category

Note: For SC/ST participants, 50% of the registration fee will be waived.

Payment Mode:

The registration fee can be paid online via UPI or through bank deposit to the following account:

- Account Name: *Network of Organisations for Science and Technology Communication*
- Account Number: 349902031003079
- IFSC Code: UBIN0534994
- Bank: Union Bank of India
- Branch: SDA Branch, New Delhi

Alternatively, payment can be made by scanning the provided QR Code.

Important: A valid payment receipt must be uploaded on the registration portal at the time of submission.

Are there any restrictions?

Yes. For safety reasons, certain materials and components are strictly prohibited in any project or model submitted to IYIIC. These include live specimens, microorganisms, radioactive substances, explosives, firearms, equipment operating at 440 volts or above, and any other hazardous materials or prototypes. If you are unsure about the safety of any part of your project, you must seek prior clearance from the organizers through the official portal. A dedicated Hazard and Safety Committee will review all entries and reserves the right to disqualify any project at any stage if it is considered unsafe. Participants are encouraged to use safe alternatives such as simulations, low-voltage components (preferably below 12V DC), non-toxic substances, or digital representations in place of dangerous or large-scale processes. All parts must be securely enclosed and clearly labeled. Following basic safety protocols not only ensures

eligibility but also helps make your innovation visitor-friendly and demonstrable at the national event.

What recognition will be given to outstanding entries?

All registered participants will receive a Certificate of Participation. Outstanding entries, as selected by the national jury, will be awarded Medals and Certificates of Recognition in various categories, based on innovation, originality, and societal impact.

Can we enter a project that has been submitted to the National Children's Science Congress or other national/international events?

Yes, you may submit a project that has been previously entered in the National Children's Science Congress or other national or international competitions, provided it is submitted by the same individual or team.

However, any change in team composition, title, or significant alteration in ownership will make the project ineligible for IYIIC. Re-submitting such a project under different names is considered unethical and may lead to disqualification.

What are the benefits to the inventor if an entry is found outstanding?

Outstanding entries will receive wide recognition and visibility through print and digital media coverage, enhancing the inventor's public profile. Selected projects may also be offered mentorship support, including guidance on protecting intellectual property rights (IPR), filing for patents, and exploring incubation or venture capital opportunities. The initiative aims to nurture young innovators by connecting them with experts, institutions, and networks that can help take their ideas from concept to implementation, ensuring sustained support beyond the competition.



What is NOSTC?

NOSTC (Network of Organizations for Science and Technology Communication, New Delhi) is a registered society with about hundred institutional members. It is actively engaged in science and technology communication for almost three decades now. NOSTC has supported, organized or initiated almost all major national programmes of science outreach in the country including Year of Scientific Awareness, Year of Understanding Physics, Year of Planet Earth, International Year of the Periodic Table and Chemical Elements, etc. Many facets of Children's Science Congress are awarded to NOSTC including the Delhi CSC for the past many years. Please visit web portal www.nostc.in for more details.

What are the Challenges?

Your entry will be assessed against many factors of novelty, elegance, originality etc. The jury will also assess the likely impact of your entry on meeting on the focal theme **Cultural Creativity – Inventions with Indian Identity Tagline**. Participants may explore any of the following **inspiring domains**:

1. Reviving Traditional Arts through Modern Technology

Description: Use digital tools, apps, or machines to preserve and promote India's traditional visual and performing arts like Madhubani, Warli, Kathak, Bharatanatyam, or puppetry.

Example Ideas:

- An AI-powered app that teaches traditional painting styles with step-by-step guidance
- Augmented Reality (AR) dance tutorials for classical Indian dance forms
- Digital archive of tribal and folk art with 3D modeling tools for students

2. Innovations Inspired by Indian Festivals and Languages

Description: Create modern solutions that make Indian festivals more sustainable, educational, or accessible, and promote Indian languages in creative ways.

Example Ideas:

- Eco-friendly DIY Ganesha idol-making kits using natural clay and seeds
- A multilingual storytelling app using local dialects and festival themes
- Smart, reusable rangoli projectors or templates for inclusive festival celebration

3. Reimagining Folk Games and Learning Tools

Description: Revive traditional Indian games like *Pachisi*, *Kabaddi*, *Gilli Danda*, and *Lagori*, adapting them as modern educational tools or physical activity programs.

Example Ideas:

- A mobile app that teaches math and strategy using Pachisi
- Board games combining coding skills with traditional game mechanics
- Outdoor kits for schools with safe, durable versions of folk games

4. Blending Ancient Food Wisdom with Modern Nutrition

Description: Explore age-old Indian food practices (fermentation, millets, herbal infusions) and repackage them for modern health, sustainability, or convenience.

Example Ideas:

- A millet-based snack range inspired by regional recipes
- Smart kitchen tools to prepare Ayurvedic teas or fermented foods
- Recipe kits that use traditional methods with modern packaging

5. Crafting Sustainable Occupations from Indigenous Knowledge

Description: Leverage traditional skills—like handloom weaving, pottery, bamboo work, or herbal medicine—to create eco-friendly livelihood opportunities.

Example Ideas:

- A youth-led e-commerce platform for tribal crafts with fair pricing
- Solar-powered looms for rural weavers
- Online skill courses on local handicrafts with certification

6. Exploring Spirituality, Mindfulness, and Well-being

Description: Develop tools or ideas rooted in Indian philosophies like Yoga, Vedanta, or Ayurveda to promote mental health, emotional balance, and holistic living.

Example Ideas:

- A biofeedback app integrated with guided Indian meditation techniques
- DIY yoga game boards for kids using Sanskrit posture names

- Digital journal inspired by Indian wisdom traditions (e.g., Bhagavad Gita quotes)

7. Preserving Heritage Through Digital Media and Storytelling

Description: Use digital platforms to creatively document and share India's oral histories, local legends, folk tales, monuments, and cultural rituals.

Example Ideas:

- Interactive web comics based on Indian mythology or regional stories
- Virtual reality tours of historical sites narrated in native languages
- Podcasts featuring interviews with local storytellers or elders

8. Cross-Cultural Learning through Indian Languages and Scripts

Description: Promote Indian linguistic diversity by designing tools or programs that encourage cross-language learning, translation, or digital preservation.

Example Ideas:

- A mobile app that teaches basic vocabulary in 10 Indian languages using songs and games
- Digital handwriting practice boards for endangered scripts like Modi or Grantha
- AI-based translation tool between regional Indian languages and English

Let your invention reflect the **essence of Indian identity**, while addressing a **real-world challenge** in a meaningful, innovative way.

Eligibility for Participation in IYIIC

The Indian Young Innovators and Inventors Challenge (IYIIC) is open to participation from both individuals and institutions.

Inventors and innovators within the defined target age groups are especially encouraged to register and participate in various IYIIC activities.

In addition, the following individuals and groups are eligible to participate:

- Individuals associated with government departments, non-governmental organizations (NGOs), schools, colleges, universities, research bodies, and scientific institutions
- Participants of Youth Activities for Superior Humanity (YASH)
- Research Associates (RA) and Senior Research Fellows (SRF) from any recognized scientific or research institution
- Scientists, technocrats, and teaching professionals from R&D institutions, higher education institutions, and innovation hubs

This inclusive framework aims to foster a vibrant culture of innovation by engaging a diverse mix of young minds and experienced professionals, promoting interdisciplinary collaboration and impactful problem-solving.

Abstract Submission Guidelines

During the online registration process at www.nostc.in, participants are required to submit an abstract of their innovation or invention. The abstract should be between 250 to 300 words and must provide a clear and concise overview of the work being presented.

Abstract must cover the background or context of the problem being addressed, the methodology or approach adopted to develop the solution, and the outcomes or conclusions

that highlight its relevance and potential impact. Participants are encouraged to ensure that the write-up reflects originality, clarity, and alignment with the focal theme of the event.

Submitted abstracts by registered participants will be evaluated by an eminent jury panel, and selected entries will be invited to present their innovations through Oral or Poster Presentations during the National Event of IYIIC.

A well-structured and meaningful abstract plays a crucial role in the selection process, helping the jury assess the novelty, feasibility, and societal impact of the innovation.

Important Note for Participants

- A maximum of five (05) outstanding projects will be selected from each region as official entries to the National Level Indian Young Innovators and Inventors Challenge (IYIIC).
- The National IYIIC 2025 is scheduled to be held from 5th to 8th November 2025 at N H Goel World School, Raipur, Chhattisgarh.
- Details of the selected entries will be:
 - Communicated directly to participants via email and WhatsApp
 - Officially announced on the website: www.nostc.in

Only those registered participants whose entries are shortlisted by the National Jury will receive official invitations to participate in the final event.

We encourage all participants to stay updated through their registered contact details and regularly visit the official website for notifications and announcements.

Awards and Recognition

Outstanding projects showcased at the National IYIIC 2025 will be honoured with gold, silver, or bronze certificates along with medals. Additionally, cash prizes may also be awarded, subject to the decision of the Organising Committee.

Organizing Committee

President

Er. Anuj Sinha
Chairman, NOSTC
Pandavnagar, Delhi
Contact No. 9717048666
Email: cpranuj1@gmail.com

Vice- President

Dr. Daya Krishn Pandey
Rtd. Scientist,
Department of Science and Technology,
Delhi

Local Organizing Committee

Chairman

Mr. S K. Tomar,
Director Administration, N H Goel World
School, Raipur, Chhattisgarh – 493111

Co-Chairman

Dr. Awinash Pandey,
Principal, N H Goel World School,
Raipur, Chhattisgarh – 493111

Advisory group

- Dr. Naresh Tiwari, Vice-Chancellor, SAM Global University, Bhopal, MP
- Dr. (IAS) Rajesh Singh Rana, Secretary, CREDA, Chhattisgarh.
- Dr. Veenita Kamran, Director Principal, CITY Montesory School, Lucknow,
- Dr. Jaideep Barua, Director, ASTEC, Guwahati, Assam
- Dr. Kanak Lata, Scientist & Head, ICAR- Krishi Vigyan Kendra, Panchmahal, Gujarat

Organizing Secretary

Sh. Sanjib Kumar Sinha
Convener, NOSTC, Pandavnagar, Delhi
Mobile No. 7016448177/ 987989633
Email: nostc.org@gmail.com

Joint Secretary

Mrs. Sandhya Verma,
Science Centre (Gwl),
Madhya Pradesh

Coordinator

Mr. M N. Singh
BoG Member, NOSTC
NH Goel World School, Raipur (CG)

Co-coordinator

Dr. Nitee Singh Yaduvanshi
Leading and Dedicated Social Worker,
Raipur, Chhattisgarh

Regional Convener:

- Sh. Kishor Kr. Dev, SSEAP, Guwahati, Assam
- Sh. Girish Kadlewad, KRVP, Karnataka
- Dr. K S Bath, PSCSTC, Chandigarh
- Sh. Siddharth T. Degami, Prasansa Foundation,
- Dr. Andrew Aphoto Sema, Lvingstone Foundation International, Dimapur, Nagaland
- Prof. Arun Kumar, Science for Society, Bihar
- Piyush Kumar Madhav, SSPT, Delhi

Academic Committee

- **Dr. Sujit Banerjee**, coordinates nationwide outreach activities and has been instrumental in advancing science popularization, further strengthening the mission to spark curiosity and scientific temper across the nation
- **Dr. Kapil Tripathi** (Scientist), TDB-DST, GoI
- **Dr Binay Pattanayak**, Senior education consultant to the World Bank, India.
- **Dr. Sunil Dubey**, Ecologist & Joint Managing Trustee, Institute for Ecology and Livelihood Action (IELA), Udaipur, Rajasthan,

➤ **Dr. Shekhar Sarbhai**, Retd. Technical Officer, Soil & Land Use Survey of India, GoI

Associates:

- Chhattisgarh Council of Science and Technology (CG)
- Chhattisgarh State Renewable Energy Development Agency, Raipur, Chhattisgarh
- Hemchand Yadav University Durg, Chhattisgarh
- Anjaneya University Raipur, Chhattisgarh
- Punjab State Council of Science and Technology, Chandigarh, Punjab
- Assam State Council of Science & Technology, Guwahati, Assam
- Lovely Professional University, Jalandhar, Punjab
- SAM Global University, Bhopal, Madhya Pradesh
- Forest Department Chhattisgarh, Raipur, Chhattisgarh
- Govt. of Tourism Chhattisgarh, Raipur, Chhattisgarh

Online registration link: <http://nostc.in/online-registration/>

Bank Details:

Network of Organizations for Science and Technology Communication,

Union Bank of India

Ac. No.: 349902010040285

IFSC: UBIN0534994

Note: for off line registration pl use the attached registration form and send via mail along with abstract to the following email Id: ncstc.org@gmail.com

REGISTRATION FORM
INDIAN YOUNG INVENTORS AND INNOVATORS CHALLENGE
(A Program of NOSTC Delhi)

STATE/ UT:

Project Title:

Category (pl. tick):

- Juvenile Category (Age between 15 and 20 years) .
- Youth Category (Age between 21 and 25 years).

Photograph

Name of the Participants:

Male/ Female

Please encircle:

SC

ST

OBC

GEN

Aadhar No. of the Group leader:

Name and Address of Institution:

Residential Address:

Name of Group Member (if any):

Date of Birth:

Age as on 31st December 2021:YearMonthDays

Male/ Female

Residential Address:

Details of Mentor:

Name:

Male/ Female

Name of Institution & Address

Address:

Signature of Participants

Registration Fee Payment details: Encl. payment receipt along this form if off-line registration.

Bank Details: Network of Organizations for Science and Technology Communication, Union Bank of India, Ac. No.: 349902010040285, IFSC: UBIN0534994

