

INDIAN YOUNG INVENTORS AND INNOVATORS CHALLENGE (IYIIC) 2021
(A Program of NOSTC, Delhi)

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

INFORMATION PACK

Organised by



Network of Organizations for Science and Technology Communication
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Pandav Nagar, Delhi 110 091
Email: nostc.org@gmail.com

Catalyzed and supported by



National Council for Science and Technology Communication,
Department of Science and Technology, Technology Bhavan
Govt. of India, New Delhi 110 016

Do you want to invent the future?

INDIAN YOUNG INVENTORS AND INNOVATORS CHALLENGE (IYIIC) 2021

Aims to help youth convert their dreams of becoming part of the next generation of technology heroes. We invite innovative and bright youth to use their knowledge of science to find creative solutions to real life problems.



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. There are three categories:

- Cub Category (Age between 14 and 17 years)
- Juvenile Category (Age between 18 and 21 years)
- Youth Category (Age between 22 and 30 years).

Age of oldest member in a team will decide the category where the entry will be evaluated.

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

No. A sustainable solution will involve inputs from many disciplines. The IYIIC will consider the category of your entry based on its impact on the society – agriculture, health, education, etc. The Registration Form will guide you.



What type of entry will IYIIC welcome?

A solution that responds to the local situations and interests and values of the community –an initiative that explores alternative forms of sustainable development, a model that reduces drudgery, model of applied research that improves efficiency or a business plan that reduces exploitation can be submitted for IYIIC. To illustrate, your area of interest can be new technologies in low energy housing, new and renewable energy, nutritious food, sustainable occupations or better livelihoods.

When do I submit my entry?

Entries are accepted online/ offline as per the schedule date given in the Region wise program schedule. This will include details of the registration charges submitted and abstract of your innovation/ invention.

How to participate?

Please complete the registration of your entry and submit it online. A token registration charge has to be deposited as part of the registration. You will receive an acknowledgement. Please use the registration number in all future correspondence. You will be informed about the dates and venues of the Regional Rounds where juries will select entries for the National Challenge.

Can composition of team or title of project be changed?

Each project will be presented by one inventor. Any change in title, project, name of innovator, address, etc., from one stage to the next, will disqualify the entry.

Can one submit more than one entry?

Yes, you can register more than one innovation. You can also be part of more than one team.

What are the registration charges?

Entry is against token entry charges. These are:

- (a) Rs. 200/- (Two hundred only) for entry in the cub category
- (b) Rs. 500/- (Five hundred only) for entry in juvenile category
- (c) Rs. 1500/- (One thousand Five hundred only) for entry in youth category.

Note: If a group has SC and ST participants 50% of the registration fee will be waived.

Are there any restrictions?

Live specimens, micro organisms, radioactive chemicals, explosives, firearms, equipment that operates on 440 Volts and above and other hazardous models and prototypes are prohibited. Please request clearance if you are in doubt. A 'hazard and safety group' may disqualify your entry at any stage if it is considered dangerous.

What recognition will be given to outstanding entries?

Certificates will be awarded to all participants. Medals will be awarded and regional, national rounds for outstanding projects in different categories.

Can we enter a project that has been entered in National Children's Science Congress or other national or international events?

A project at IYIIC that was entered in an earlier event by the same team will be eligible for participation. It would be unethical to enter a project if there has been a change in team composition.

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

Print and digital media will give wide coverage to winning entries. Mentoring of outstanding projects will be available for guidance of protecting intellectual property and/or venture capital support.

What about following COVID 19 protocol?

We are observing all local area precautions in organizing physical activities and will intimate final arrangements in each region accordingly. Participants may be allowed to demonstrate their projects on line to judges if physical participation is not advised.

What is NCSTC?

National Council for Science and Technology Communication, Department of Science and Technology, Government of India (NCSTC), New Delhi catalyzes and supports innovative projects for developing scientific temper and promoting science and technology. Established in 1983, NCSTC has pioneered many initiatives of science communication and promoting scientific temper. It has launched campaigns of removing superstitions, organized VigyanJathas, made award winning science films, produced record breaking science serials for radio and television, and published popular science books. It has promoted research, encouraged training science communicators, nurtured creativity and developed field activities. It has developed and supported Children's Science Congress every year since 1991. We are privileged that NCSTC

has supported NOSTC in organizing the **Indian Young Inventors and Innovators Challenge 2021**.



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 is the Challenge?

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 one of the following Sustainable Development Goals:

- Health and well-being (SDG 3);
- Clean water and sanitation (SDG 6);
- Affordable and clean energy (SDG 7);
- Climate action (SDG 13);
- Life below water (SDG 14);
- Life on land (SDG 15).



NOSTC and many scientific organizations across the world are observing 2022 as the International Year of Basic Sciences and Sustainable Development as declared by UNESCO. IYIC is a flagship event under IYBSSD.

Selection of Subject/s for IYIC 2021

- (a) Agriculture and allied sciences
- (b) Bio-technology

- (h) Marine/costal Sciences
- (i) Physics/ Chemistry/ Biology

- | | |
|---|---|
| (c) Social Science | (j) Medical Sciences |
| (d) Life Science | (k) Bio-medicine |
| (e) Anthropology | (l) Protecting the Public Health |
| (f) Forensic Sciences | (m) Rural Art and craft Sciences |
| (g) Food and Nutrition (supplements/ diets) | (n) Electronics and Electrical Sciences. |

Eligibility of participants for IYIIC 2021:

1. Inventors/ inventers those are within the target group from the Indian continents are invited to participate in the IYIIC 2021 activities.
2. The innovator or inventers from the following institutions are also eligible to register themselves to participate in the events.
 - (a) participants of National Children's Science Congress (NCSC),
 - (b) Indian Institute of Technology (IITs) innovators,
 - (c) Jawaharlal Nehru Science Model Competition,
 - (d) NCERT, Intel innovators, IRIS winners,
 - (e) INSPIRE MANAK finalists.
 - (f) Youth Activities for Superior Humanity (YASH) participants,
 - (g) Research Associates (RA) and Senior Research Fellows (SRF) from any scientific/ research institutions and
 - (h) Scientists/ technocrats/ teaching staff from the research Institutes/ colleges/ universities.

Abstract:

Abstract of the innovation below 300 words must be uploaded during online registration. Online

Selection Procedure

1. Registered participants (Cub and Juveniles researcher) will be intimated to display their innovation at the respective venue and present before the evaluation team for further selection. During displaying the projects evaluation team will interact with the innovators or inventers. Participants may opt. virtual mode if they are not in the position to present physically.
2. Registered participants (youth researchers) may select option either they can physically present with their innovation or inventions or may opt. presentation on virtual mode.
3. Innovation may be presented by individual or in group (if group work).

Program Schedule

Regional Level:

Region – 1

- Assam,
- Tripura
- West Bengal,
- Jharkhand,
- Bihar,
- Odisa,
- Andaman and Nicobar Islands

Venue: Guwahati, Assam, Hosted by: ASTEC, Assam.

Contact Details: Dr. Jaideep Barua – 9435102089 email: jaideep1967@gmail.com

Last Date for Registration: 05th January, 2021

Region – 2

- Uttar Pradesh,
- Uttrakhand,
- Madhya Pradesh,
- Chattishgarh,
- Rajsthan,

Venue: SAM Global University, Bhopal, Madhya Pradesh

Contact Details: Ms. Sandhya Verma – 9131499477, email: scinececentrem7@gmail.com

Last Date for Registration: 10th December, 2021

Region – 3

- Gujarat,
- Dadra Nagar Haveli and Daman & Diu,
- Maharashtra,

Venue: Daman, DNH and Daman & Diu

Contact Details: Dr. Mrs. Kanak Lata, Contact No. 9016991611 email: prasansafoundation@gmail.com

Last Date for Registration: 24th December, 2021

Region – 4

- Jammu and Kashmir,
- Leh and Laddhakh,
- Himachal,
- Punjab,
- Haryana,
- Chandigarh,
- Delhi

Venue: Puspa Gujral Science City, Punjab By Punjab State Council of S & T

Contact Details: Dr. K S Bath, Mobile No. 9855017723, email:

Last Date for Registration: 18th December 2021.

Region – 5

- Kerala,
- Tamil Nadu,
- Karnataka,
- Andhra Pradesh,
- Telangana,
- Laksh-dweep,
- Puduchery,
- Goa

Venue: Karnataka University, Kalburgy, Gulbarga, Karnataka

Contact Details: Shri Girish Kadlewad, Mobile No. 9448830454

Last Date for Registration: 10th December, 2021

Region – 6

- Mizoram,
- Nagaland,
- Manipur,
- Tripura,
- Meghalaya,
- Arunachal Pradesh,
- Sikkim

Venue: Livingston Foundation, Dimapur, Nagaland

Contact details: Shri Sanjeev Momin, Mobile No. 7896449372

Last Date for Registration: 20th December, 2021

Note: Maximum 20 Outstanding projects from each Regional event will be the official entry to National IYIIC 2021. IYIIC 2021 is scheduled in 15-16, January, 2021. Details will be intimated to the selected participants by email and the result will be displayed in the website; www.nostc.in

National IYIIC Event will be held at Vadodara, Gujarat. The venue and dates will be sent to the short listed registered participants through email/ whats-App. It will also be displayed on the website www.nostc.in

Outstanding projects from the national event will be the official entry to International fairs. The venue and dates will be sent to the short listed registered participants through email/ whatsApp. It will also be displayed on the website www.nostc.in

Certificates and medals will be awarded at regional, national and international level. Mentoring of outstanding projects will be available for venture capital support.

Organizing Secretary
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Regional Convener:

1. Mrs. Sandhya Verma, Science Centre (Gwl) , Madhyapradesh
2. Dr. Jaideep Barua, ASTEC, Guwahati, Assam
3. Sh. Girish Kadlewad, KRVP, Karnataka
4. Dr. K S Bath, PSCSTC, Chandigarh
5. Dr. Kanak Lata, Prasansa Foundation, Gujarat
6. Andrew Ahoto Sema, Lvingstone Foundation International, Dimapur, Nagaland

Online registration link is:

<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: nostc.org@gmail.com / ncstc.org@gmail.com

REGISTRATION FORM
INDIAN YOUNG INVENTORS AND INNOVATORS CHALLENGE 2021

(A Program of NCSTC-DST, Govt. of India)

STATE/ UT:

Project Title:

Category (pl. tick):

- Cub Category (Age between 14 and 17 years) ·
- Juvenile Category (Age between 18 and 21 years) ·
- Youth Category (Age between 22 and 30 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:

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