Organisers

Min. of Earth Sciences

Vibha विज्ञान भारती



Nuclear Energy for Self Reliant India



Innovation. Aatmanirbharta. India for Global Good

INDIA INTERNATIONAL SCIENCE FESTIVAL

19 - 22 DEC 2026

Vigyan Se Samruddhi- For Aatmanirbhar Bharat

Innovation. Aatmanirbharta. India for Global Good

Co-organisers

DST, Govt. of India | DBT, Govt. of India | DoS, Govt. of India

Venue
Pune, Maharashtra

Coordinating Institute
Indian Institute of Tropical Meteorology, Pune

Introduction :

India's Nuclear Energy Mission 2047 aims to significantly expand the country's nuclear power capacity as part of its long-term clean energy strategy. The mission envisions achieving around **100 GW of nuclear power capacity by 2047,** aligning with India's goal of becoming a developed nation and to achieve **net-zero emissions by 2070.** It emphasizes the development of **indigenous reactor technologies,** including **Pressurized Heavy Water Reactors (PHWRs), Fast Breeder Reactors (FBRs),** and **Thorium-based Advanced Heavy Water Reactors (AHWRs).** The mission focuses on enhancing energy security, reducing carbon emissions, food security, health security, national security etc. and promoting **self-reliance** through the three-stage nuclear program utilizing India's vast **thorium reserves.** The event is being organized by IITM (MoES), DAE, IUAC and VIBHA.

Objectives :

The event aims to achieve:

- To connect graduate and post graduate students of science and engineering with India's leading scientists and innovators in this field.
- To promote awareness of nuclear energy programs.
- To foster curiosity and creativity through interaction.

Key Themes :

The event focuses on the following subject areas- Physics, Chemistry, Biology, Mathematics, Geology, Environmental Science, and all branches in Engineering Sciences. Key themes are related to the applications of nuclear science and technology for Atma Nirbhar Bharat and Green Energy Mission. They as follows:

- Energy security
- National security
- Food security
- Health security

Participants :

Graduate and Post-Graduate and Ph.D. students in Science and Engineering (B.Sc., M. Sc., B.E, B-tech, M-tech and Ph.D. students in Physics, Chemistry, Biology, Mathematics, Geology, Environmental Science, all branches in Engineering).

Registration and Selection process :

The students will submit an abstract of maximum 400 words on any of the themes. The abstract should contain some narration about the theme, then any of the critical challenges faced by India related to that theme; then what are the probable solutions. It would be best if they propose any probable solutions related to the nuclear power program. Based on the abstracts, 25 abstracts would be selected for poster presentations and 125 candidates would be selected for normal participants. Mere registration does not mean confirmation as a participant. Confirmation mail will be sent following the abstract selection.

Event Format :

There will be lectures, panel discussions and question answer sessions led by the experts. One poster session will be there. 25 Abstracts will be selected for poster presentations. The poster should mention any of the critical challenges faced by India related to the theme and how the presenter proposes to address the issue. For example, if someone is interested in the theme Energy Security, then the abstract should contain notes on (i) Back ground to the energy security of India, (ii) challenges faced by India, (iii) Probable solutions to tackle the challenges and role of nuclear science and technology. The best three posters will be selected. There is no cash prize, but certificates will be provided.

Schedule :

Day	Date	Time
Day 1 – Sunday	20 Dec 2026	12:00 pm – 06:00 pm
Day 2 – Mon & Tue	21 & 22 Dec 2026	10:00 am – 06:00 pm (Tue: till 04:00 pm)

Expected Outcomes :

This event provides a platform for the next generation students to present their thoughts, gain critical feedback, and engage with peers and seasoned professionals in this field. One can summarise the expected outcome as follows;

- Foster professional development, advance research
- Cultivate a network of future leaders in the field
- Eradicate nuclear myth
- Create awareness among the students

Important Dates :

- Abstract submission deadline: To be announced
- Communication to the selected candidates: To be announced
- Reply by the candidate and uploading the travel information: To be announced

NB: There will be no TA/DA for the participants. However, the accommodation and fooding would be provided by the organiser on a sharing basis. Please visit the official IISF 2026 website for further clarification.

Coordinators :

Coordinator contact details for IISF 2026 will be announced soon.

Organisers

पृथ्वी विज्ञान मंत्रालय
Ministry of Earth Sciences
सत्यमेव जयते

सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

अंतरिक्ष विभाग
DEPARTMENT OF
SPACE
सत्यमेव जयते

राष्ट्र की सेवा में परमाणु
प ऊ वि
DAE
ATOMS IN THE SERVICE OF THE NATION

Department of
Science &
Technology,
Government of
India
सत्यमेव जयते

vibha
विज्ञान भारती

Department of
BioTechnology,
Government
of India
सत्यमेव जयते

पंजाब यूनिवर्सिटी
PANJAB UNIVERSITY
1947

हरियाणा सरकार
GOVT. OF HARYANA

चण्डीगढ़ प्रशासन
CHANDIGARH ADMINISTRATION

INDIAN INSTITUTE OF TROPICAL METEOROLOGY PUNE