

Ref. No. AKTU/IH/2023/06

Date: 07/01/2023

To

The Director/Principal,  
AKTU Constituent, Associated and Affiliated Institutes

**Subject:** Regarding participation in **Students Innovation Festival 22 (SIF)**

Dear Madam/Sir,  
Greetings from Innovation Hub, AKTU.

India International Science Festival (IISF) is a platform for public participation to inculcate scientific perspective and promote interest in science. Seven editions of IISF have been organized at various places across the country in the past. This year, the 8th **edition of IISF** is being organized at **Maulana Azad National Institute of Technology (MANIT), Bhopal, Madhya Pradesh**. Theme for the 8th edition of IISF is marching towards Amrit Kaal with Science, Technology and Innovation.

IISF-2022, **Students Innovation Festival (SIF)** is an event where college level students participate in competition and also showcase their talents on an international stage. The Themes of SIF-2022 are: Developing Sustainable Life based on Five Elements of Nature: The Earth (पृथ्वी), The water (जल), The fire (तेजस /अग्नि), The air (हवा) and The space (आकाश). Students from engineering as well as science streams, who are interested and involved in innovation and creativity can participate in the Students' Innovation Festival (SIF-2022).

Innovation Hub-AKTU is the Zonal Partner of Student Innovation Festival 22.

The virtual curtain raiser ceremony of the same is scheduled on January 12, 2023 in presence of Chief Guest Prof. Pradeep Kumar Mishra, Honorable Vice-Chancellor, Dr. APJ Abdul Kalam Technical University, Lucknow.

We invite you all to join the curtail raiser ceremony on January 12, 2023 at 10:45 AM

**Joining Link:** [shorturl.at/cPT48](https://shorturl.at/cPT48)

The selected models/entries will be showcased in the IISF on **22-23 January 2023** at MANIT, Bhopal. Registration can be done on the website- <https://scienceindiafest.org> . For detailed information, Brochure and Poster of SIF-2022 are enclosed herewith.

**The last date for registration by the students is 12th January 2023.**

Please share this among students and faculty members to register and participate for the same.

PFA: [https://drive.google.com/file/d/15zYcqH55Rn1ik6Lqu6Vip4\\_Ui06fBdcK/view?usp=share\\_link](https://drive.google.com/file/d/15zYcqH55Rn1ik6Lqu6Vip4_Ui06fBdcK/view?usp=share_link)

PFA: [https://drive.google.com/file/d/1M7\\_yKSj8LKWdqszTe6-4apHMtd8iujmej/view?usp=share\\_link](https://drive.google.com/file/d/1M7_yKSj8LKWdqszTe6-4apHMtd8iujmej/view?usp=share_link)

PFA: [https://drive.google.com/file/d/1r\\_F56aKur6FYvZB55E7a-K0iv88b0FJx/view?usp=share\\_link](https://drive.google.com/file/d/1r_F56aKur6FYvZB55E7a-K0iv88b0FJx/view?usp=share_link)

For any further query please contact Dr. Dharendra Kumar, Zonal Coordinator, IISF-2022

Contact No: 9899003498,

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Attachments:

1. Poster

# India International Science Festival-2022

Core Theme: Marching Towards Amrit Kaal With Science, Technology and Innovation

## Students' Innovation Festival

22 - 23 January, 2023

Registration Open



**Venue:** LRC Building, Maulana Azad National Institute of Technology (MANIT), Bhopal, M.P.

Developing Sustainable Life based on Five Elements of Nature

- THE EARTH (पृथ्वी)** Waste Management, Agriculture, Soil, Housing, Food, Forestry, Health, Transport
- THE WATER (जल)** Drinking Water, Rivers, Irrigation, Wave Energy, Jal Shakti
- THE FIRE (तेजस/अग्नि)** Energy, Solar Energy, Thermal Energy, Electricity, Power Generation
- THE AIR (वायु)** Environment, Pollution, Wind Power
- THE SPACE (आकाश)** Satellites, Space Stations, Drones, Aviation, Space Vehicles, Radiation

### Eligibility

- Engineering Students:- Students/research scholars/Polytechnique/ B Tech /M Tech or equivalent or higher course
- Non-Engineering Students:- Students/research scholars pursuing studies in basic sciences, agriculture, medical, Ayurveda, food technology or any non engineering course at graduate or post graduate or higher level

### Methodology

- After online pre-screening, top 100 selected projects will be invited for exhibition and final evaluation at the India International Science Festival, Bhopal.
- ✓ Prizes in each theme
- ✓ Certificate for all participants

**How to apply:** Applications are to be submitted online on <https://scienceindiafest.org>

**Last Date of Submission:** 10<sup>th</sup> January 2023

### SIF- IISF-2022 Control Room

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CFC-1, Malviya Nagar Industrial  
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# India International Science Festival IISF 2022

Ministry of Science and Technology, Ministry Earth Science  
Govt. of India and Vijnana Bharati

Core Theme: Marching Towards Amrit Kaal With Science, Technology and Innovation

## Students Innovation Festival 22

*“Developing Sustainable Life based on Five Elements of Nature”*

Venue: LRC, MANIT, Bhopal, Madhya Pradesh

Dates: 22-23 January 2023



## Overview

India International Science Festival (IISF) is a celebration of achievements of Indian science & technology and public participation to inculcate scientific attitude and prosper the interest in science. Out of its various events, the Students Innovation Festival (SIF), previously held as the Engineering Students Festival (ESF) or Students' Engineering Model Competition (SEMC) of India International Science Festival (IISF) has united the top young engineering students' minds, showcasing their talents on an international stage, where doctoral-level scientists review and judge their work.

## Background

Previous version of the Model Competition have achieved objectives and gave an opportunity to entice every prospective engineer, researcher, or scientist. Some brief details are as under-

**IISF 2018(Lucknow):** Students' Engineering Model Competition (SEMC) was initiated at IISF 2018 held at Lucknow during 6-7 October 2018. In this event, National Institute of Immunology(NII) Delhi, Under Department of Biotechnology (DBT), Government of India was nodal agency. The venue was G.D. Goenka School Public School, Lucknow.

**IISF 2019 (Kolkata):** Indian Institute of Chemical Biology (IICB)of CSIR under Ministry of Science & Technology, government of India was the nodal agency. SEMC was held at campus of CSIR- IICB, Kolkata , during from 05th to 08th November 2019. Format and methodology were same as previous SEMC.

**IISF 2020(Virtual):** was organized in shadow of Covid19 pandemic virtually very successfully during 23-24 December 2020. CSIR-CEERI Pilani under Ministry of Science & Technology, Govt. of India was the nodal agency. The event was organized virtually including exhibition and evaluation by juries.

**IISF 2021 (Goa):** was organized very successfully during 11-12 December 2021. NCPOR under the Ministry of Earth Sciences, Govt. of India was the nodal agency. The event was organized in a hybrid mode including an exhibition on the venue. The final round of the evaluation was done at the venue as well as online. About 1200 teams comprised of more than 7000 students submitted their projects out of which 200 teams were shortlisted and 50 presentable project teams were invited to the venue for the exhibition.

*SIF2022 will be the fifth edition of this series.*

## **IISF 2022: Students Innovation Festival (SIF22)**

### Objective

Students Innovation Festival (SIF) focuses on spreading technical knowledge and suffusing enthusiasm in the minds of the students to develop technology for a sustainable life. Bringing together the best minds from the engineering world and

providing a platform of interaction, SIF22 would give an opportunity to entice every prospective engineer, researcher, or scientist. Providing an avenue for showcasing innovative products, projects, and ideas developed by Students, we see the best technology being incubated here.

Our ancient scientists defined five elements i.e., the Earth (*Prithvi*), the Water (*Jal*), the fire (*Tejas/Agni*), the air (*Vayu*), and the space (*Aakash*) as the core of life. In view of the ongoing problems and challenges in society, Indian (*Bharatiya*) thought needs to be based on scientific inventions or innovations for the well-being of mankind. The core theme of SIF22 is “Developing Sustainable Life based on Five Elements of Nature”. The focus of SIF22 will be to encourage students to think innovatively and scientifically to solve the problems of society using various technological fields, with a focus on five elements as per ancient Indian (*Bharatiya*) thought. They would be expected to keep these five elements, the earth (पृथ्वी), the water (जल), the fire (तेजस/अग्नि), the air (वायु), and the space (आकाश) as a core for the survival and sustainability of life on Earth. The students will be prompted to connect themselves with the roots of Bharat using their own innovation and creativity.

The format will be presentation and demonstration of new and innovative ideas in front of Jury panel in two stages. Science and Engineering Students will be invited to participate in SIF by way of competition and presentation. They would present their innovative and creative projects/ideas/achievements based on 5 themes during an exhibition at IISF. Projects will be invited through online portal from all the students pursuing Science, Engineering, and Technology programs in the Universities, Engineering, Agricultural, Medical, Ayush, Polytechnic, and other institutes including research labs from all over India.

After pre-screening top 100 selected projects will be invited for exhibition and final evaluation will be at the India International Science Festival, Bhopal, where National Jury will select projects for Prizes.

**Core Theme: Developing Sustainable Life based on Five Elements of Nature**

The projects should be based on the following or any other related subthemes

Theme	Subthemes
The Earth	Waste management, agriculture, soil, housing, food, Forestry, Health, Transport
The Water	Drinking water, Rivers, Irrigation, Wave Energy, Jal Shakti
The Fire	Energy, Solar energy, Thermal Energy, Electricity, Power generation
The Air	Environment, Pollution, Wind Power
The Space	Satellites, Space Stations, Drones, Aviation, Space Vehicles, Radiation

**Last date of submission:** Synopsis, images, and presentation links are to be submitted online by **January 10, 2023**.

## **Who can participate: Eligibility**

Engineering Students (Students/research scholars/Polytechnique/ B Tech /M Tech or equivalent or higher course) as well as Non-Engineering Students (Students/research scholars pursuing studies in basic sciences, agriculture, medical, Ayurveda, food technology or any non-engineering course at graduate or post graduate or higher level)

**Duration of the program:** January 22-23, 2023 (Sun-Mon)

## **Venue:**

LRC Building,  
Maulana Azad National Institute of Technology (MANIT),  
Bhopal, M.P.

## **Prizes and Certificates**

- Award and certificates to the topper and two runners-up teams in each theme
- Participation certificate for all the participants. In a team, maximum 6 students and one teacher/guide can register per project/idea.

## **Program Schedule at MANIT, Bhopal:**

- Inauguration (Jan 22, 2023)
- Exhibition and evaluation of projects by Jury (January 22-23, 2023)
- Final presentation and Valedictory (January 23, 2023)

## **National Coordinators**

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**Symbiosis Skills & Professional University**  
 cordially invites you to join  
**Curtain Raiser Program for**  
**6th India International Science Festival (IISF-2020)**

An initiative by Vigyan Bharati

**Students Engineering Model Competition & Expo (SEMC)**  
 Join us: [https://youtu.be/Co\\_DUfzOQ](https://youtu.be/Co_DUfzOQ)

**15th December 2020**  
**(Tuesday)**  
**at 4P.M**

**Coordinators**  
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 Dr. C. J. Rajendra Prasad

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 Pro-Chancellor SSPU,  
 Pune

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