



# विज्ञान भारती, हरियाणा

(A body registered by Registrar Societies Haryana under Reg. No. 1898, Year 2001-2002 & re-registered under Reg. No. 0024, Year 2014)

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Dated: 24-11-2021

Respected Madam/Sir

The 7th edition of **India International Science Festival-2021 (IISF-2021)** - is being held in the western region of the country at **Panaji, Goa** from **December 10 to 13, 2021**. The **Ministry of Earth Sciences, Ministry of S&T** and **Vijnana Bharati** along with the Government of Goa are the organisers of IISF 2021. National Centre for Polar and Ocean Research (NCPOR) of Ministry of Earth Sciences, an institution situated in Goa, is the nodal agency to organise the IISF 2021.

The theme of IISF 2021 is '**Celebrating Creativity in Science, Technology and Innovation for Prosperous India**'. IISF 2021 will have twelve programs including the mega science and technology expo and these programs are designed on the basis of event theme. As we are celebrating the 75th year of Swatantrata all the programs will reflect the spirit and idea of Aazadi ka Amrit Mahotsav.

The journey of IISF was started with its inaugural event at Delhi in 2015. Six editions of IISF have been organized since then in northern, southern and the eastern regions of the country. The pandemic in 2020 due to Covid19 posed a serious challenge for the conduct of this annual event, but the challenge was overcome by conducting the event on a virtual platform to maintain the uninterrupted flow of journey.

**India International Science Festival (IISF)** is a science movement with swadeshi spirit lead by eminent scientists of the country. The main purpose of IISF is the celebration of science by all. Engagement of common people with science in a joyful and entertaining manner is essential for the healthy, prosperous and meaningful life. Through its creative programs and activities, IISF provides opportunities to people and scientific fraternity in the country and abroad to come together, work together and experience the joy of doing science for the wellbeing of India and humanity.

Program details of IISF and invite letter are attached herewith. For more details and registration, IISF website: <https://www.scienceindiafest.org/> maybe visited.

In this regard, you are requested kindly to bring this festival to the notice of students/research scholars/faculties and encourage them to submit their innovative ideas in different events through online platform of IISF 2021 before 30th November, 2021.

With kind regards

Yours sincerely,  
Secretary  
Dr. Anurag Gaur

To,  
Vice-Chancellors of all universities

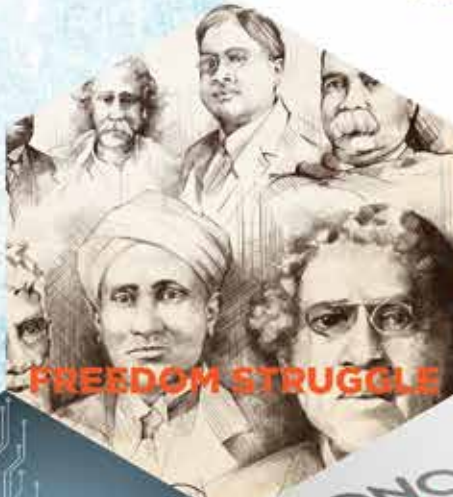


# INDIA INTERNATIONAL SCIENCE FESTIVAL 2021

10 - 13 December, 2021

Panaji, Goa

## Celebrating Creativity in Science



**FREEDOM STRUGGLE**



**ACHIEVEMENTS @ 75**



**IDEAS @ 75**



**RESOLVES @ 75**



**ACTIONS @ 75**



Government of Goa



Ministry of Science & Technology  
Ministry of Earth Sciences  
Government of India



VIJNANA BHARATI



**Dr. SHEKHAR C. MANDE**

Director General, CSIR & Secretary DSIR

I am very pleased to learn that the 7th edition of India International Science Festival (IISF) will be held in Goa in December 2021. Since the first edition was held at IIT, Delhi, in 2015, IISF has grown as one of the showcase events of Science festivities in the country. Previous to the Covid-19 times, the festival used to attract great interest among scientists, students, children and in general public. In the previous edition, the online event also attracted one of the largest audiences for an online event. I have been fortunate to personally witness the excitement among different sections of people who attended or visited IISF in these times. Truly it can be said that IISF is serving its main purpose of promoting science among people and taking the achievements of Science in India to the general public. I am sure that this year's event will also attract as much attention and that everyone will take the benefit of the festival to promote the spirit of Science. I wish organisers a very best for the successful IISF, 2021.



**Dr. Rajesh S Gokhale**

Secretary, Department of Biotechnology (DBT)

I am delighted to know that the India International Science Festival (IISF) 2021 is being jointly organised by Ministry of Science & Technology and Ministry of Earth Sciences in association with Vijnana Bharati (VIBHA) from 10 to 13 December 2021 at Goa with active participation of Government of Goa. IISF has emerged as a major interface to connect various stakeholders of science with society and has been organised every year since 2015. As the country is celebrating Azadi ka Amrit Mahotsav, it is very apt for scientific community to have this as a main thematic focus of IISF 2021 that will instill a spark among students, researchers and scientists to take science forward to make nation "Aatmanirbhar Bharat". The Department of Biotechnology wishes a grand success to IISF- 2021 and congratulate all participants for their active contributions.

## डॉ० जितेन्द्र सिंह

राज्य मंत्री (स्वतंत्र प्रभार),  
विज्ञान एवं प्रौद्योगिकी मंत्रालय;  
राज्य मंत्री (स्वतंत्र प्रभार) पृथ्वी विज्ञान मंत्रालय;  
राज्य मंत्री, प्रधान मंत्री कार्यालय;  
राज्य मंत्री कार्मिक, लोक शिकायत एवं पेंशन मंत्रालय;  
राज्य मंत्री परमाणु ऊर्जा विभाग तथा  
राज्य मंत्री अंतरिक्ष विभाग  
भारत सरकार



## Dr. JITENDRA SINGH

Minister of State (Independent Charge)  
of the Ministry of Science and Technology;  
Minister of State (Independent Charge)  
of the Ministry of Earth Sciences;  
Minister of State in the Prime Minister's Office;  
Minister of State in the Ministry of Personnel,  
Public Grievances and Pensions;  
Minister of State in the Department of Atomic Energy and  
Minister of State in the Department of Space  
Government of India

### MESSAGE

India International Science Festival (IISF) has created a unique platform over the years to inspire curiosity and make learning more rewarding. Launched in 2015, it celebrates Science and Technology with festivity and joy. The aim is to engage the public and students in particular with science in order to inculcate scientific temperament in children through sheer joy of science. It shows the ways how science, technology, engineering and mathematics (STEM) provides us with day to day solutions to improve our lives.

It is heartening to learn that the 7<sup>th</sup> India International Science Festival (IISF) is being organized by the Ministry of Earth Sciences in collaboration with other Science Ministries and Vijnana Bharati (VIBHA) during 10-13 December 2021 at Panaji, Goa. The Government of Goa has kindly consented to extend wholehearted support to this event. The events this year have been thoughtfully designed to forge synergy among the Science, Technology, Innovation advancements, History, Philosophy, Arts and Education. I am sure, with various events planned in physical as well as digital mode, IISF will offer an engrossing and deeply enriching experience to people from different walks of society.

The proposed theme for IISF 2021: "Azadi ka Amrit Mahotsav-celebrating creativity, science, technology and innovation for a prosperous India" is in consonance with the Prime Minister Sh Narendra Modi's vision of New India which sees itself as 'Vishva Guru' in the next 25 years.

I wish IISF 2021 a great success.

(Dr. Jitendra Singh)  
MBBS (Stanley, Chennai)  
MD Medicine, Fellowship (AIIMS, NDL)  
MNAMS Diabetes & Endocrinology

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**DR. PRAMOD SAWANT**  
CHIEF MINISTER, GOA

**MESSAGE**

*The 7<sup>th</sup> edition of India International Science Festival (IISF- 2021) is being organized by the Government of India in collaboration with Vijnana Bharati from the 10<sup>th</sup> to the 13<sup>th</sup> of December, 2021 and I sincerely thank Dr. Jitendra Singh-ji, Hon'ble Minister for Science and Technology & Earth Sciences, for choosing the State of Goa to celebrate this mega-event.*

*It is a delightful co incidence that IISF 2021, a festival of International importance celebrating Science, is being held in Goa in its 60<sup>th</sup> year of Liberation along with 75<sup>th</sup> year of Independence of our nation. The teaching faculty as well as students from Goa have whole-heartedly participated in earlier editions of this festival held in other parts of our country.*

*This Festival will help to inculcate Scientific temper among the masses and inspire young minds to indulge in Research and Innovation in the field of Science and Technology.*

*It is of great pleasure for the Government of Goa to extend wholehearted support and assistance in making this Festival of Science a grand success.*

**( Dr. Pramod Sawant )**  
**Chief Minister**



डॉ. एम. रविचंद्रन  
Dr. M. Ravichandran



सचिव  
भारत सरकार  
पृथ्वी विज्ञान मंत्रालय  
पृथ्वी भवन, लोदी रोड, नई दिल्ली-110003

SECRETARY  
GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
PRITHVI BHAWAN, LODHI ROAD, NEW DELHI-110003

### MESSAGE


India International Science Festival (IISF) is an annual event since 2015 which is jointly organized by all science Ministries. It gives me immense pleasure to announce that the 7th IISF is being organized by the Ministry of Earth Sciences as the nodal ministry jointly with the DST, CSIR and DBT in collaboration with Vijnana Bharati (VIBHA) and Government of Goa, during 10-13 December 2021 at Panaji Goa in hybrid mode. National Centre for Polar and Ocean Research, Goa an autonomous institute of MoES as the coordinating agency to provide all local support to IISF-2021. Government of Goa has kindly extended their active support to this mega event.

India International Science Festival (IISF) is designed to focus on students and science loving citizens from all spheres of life. It provides an ideal and vibrant platform to all those who are keen to gain new insights in contemporary areas of science and technology. It also creates ample opportunities for scientists, innovators and young researchers to deliberate, interact and connect to all likeminded people with scientific temperament.

IISF is a festival to celebrates Science & Technology by showcasing our strength and achievements in the field of Science and Technology. It is an accepted fact that through scientific interventions only country's growth and progress is possible.

The IISF-2021 is being organized on a hybrid mode keeping in mind the unforeseen situation of COVID 19 pandemic. I hope that the festival will act as a catalyst to ignite young minds to use science as a weapon to bring out societal and developmental tasks for the country. The theme for this year IISF-2021 "**Azadi ka Amrit Mahotsav-celebrating creativity, science, technology and innovation for prosperous India**" is conceived with the intentions of highlighting the role of Science, Technology and Innovation to build an Atmanirbhar Bharat and help provide possible solutions to global problems.

It is my deep pleasure to extend a warm welcome to all the delegates from India and abroad to IISF-2021 at Goa.

  
(M. Ravichandran)

Tel. : +91-11-24629771, 24629772 ☐ Fax : +91-11-24629777 ☐ E-mail : [secretary@moes.gov.in](mailto:secretary@moes.gov.in)



### MESSAGE

A journey of India International Science Festival (IISF), an annual event since its inception in 2015, has been truly joyful and praiseworthy. I am happy to know that this journey will continue with the conduct of 7th edition of this unique science festival at Goa as IISF 2021. This year MoES and MoST along with the Government of Goa are going to organize this event, with the continued collaboration of Vijnana Bharati, under the new and visionary leadership of Hon. Union Minister Dr. Jitendra Singhji. I take this opportunity to welcome the insightful and astute leadership of Hon. Minister for the domain of science and technology.

It is very pertinent that the core idea of IISF 2021 will be guided by the spirit and thought of Aazadi ka Amrit Mahotsav. Further, it is heartening indeed to note that Hon. Dr. Jitendra Singhji with his excellent acumen has suggested that there is a need to celebrate science with 'creativity' as its core idea. I am sure that all the programs of IISF 2021 will provide varied and good number of opportunities for creative Indian minds, in India and across the globe, to display their creativity in celebrating the numerous dimensions of science.

I am thankful to Hon. Minister Dr. Jitendra Singhji for his kind gesture in showing confidence in Vijnana Bharati, a voluntary organization, as an able collaborator to conduct this mega event. Volunteers of Vijnana Bharati will make intense efforts to achieve the desired outcome of the event. As always, I wish all the success for the meaningful and fruitful conduct of IISF 2021.

(Dr. Vijay Bhatkar)  
National President, VIBHA





# VISION MISSION

## VISION

Promotion of Creativity in Science, Technology and Innovation for Prosperous India.

## MISSION

To engage creative and imaginative minds in India and across the globe to celebrate science through various programs and activities connected to the five pillars of Aazadi ka Amrit Mahotsav.

## About IISF

India International Science Festival (IISF) is an initiative of Ministry of Science and Technology and Ministry of Earth Science of Government of India in association with Vijnana Bharati which is a science movement with swadeshi spirit lead by eminent scientists of the country. The main purpose of IISF is the celebration of science by all. Engagement of common people with science in a joyful

and entertaining manner is essential for the healthy, prosperous and meaningful life. Through its creative programs and activities, IISF provides opportunities to people and scientific fraternity in the country and abroad to come together, work together and experience the joy of doing science for the wellbeing of India and humanity.

## Journey of IISF

The journey of IISF was started with its inaugural event at Delhi in 2015. Six editions of IISF have been organized since then in northern, southern and the eastern regions of the country. The pandemic in 2020 due to Covid19 posed a serious challenge for the conduct of this annual event, but the challenge was overcome by conducting the event on virtual platform to maintain the uninterrupted flow of journey.

Responsibility of conducting this mega annual event is given either to one of the departments of Ministry of Science and Technology, viz. DST, CSIR and DBT or to the Ministry of Earth Science in rotation. Several

other ministries and departments related to S&T have always been involved in the organization of the event. Vijnana Bharati has been a consistent organizing partner in the forward march of IISF.

IISF has evolved progressively through its innovative design of programs and activities connecting various aspects of life to science. Representation of the diverse strata of society in the event has emerged as a remarkable feature of IISF. The number of participants from India and abroad has grown steadily with every edition and the journey is on involving more and more people to attain the desired outcome.

# IISF 2021

## IISF 2021

The 7th edition of IISF - IISF 2021 - is being held in the western region of the country at Panaji, Goa from December 10 to 13, 2021. The Ministry of Earth Sciences, Ministry of S&T and Vijnana Bharati along with the Government of Goa are the organisers of IISF 2021. National Centre for Polar and Ocean Research (NCPOR) of Ministry of Earth Sciences, an institution situated in Goa, is the nodal agency to organise the IISF 2021.

The theme of IISF 2021 is 'Celebrating Creativity in Science'. IISF 2021 will have twelve programs including the mega science and technology expo and these programs are designed on the basis of event theme. As we are celebrating the 75th year of Swatantrata all the programs will reflect the spirit and idea of Aazadi ka Amrit Mahotsav. All programs have been categorised according to the five pillars suggested by our PM Shri. Narendra Modi.

Slowly and gradually normalcy is returning to life and huge success in vaccination drive has raised the level of confidence in people to resume to routine work. Considering these factors IISF 2021 is held in combined physical and virtual mode.



# IISF 2021



- 01 Freedom Struggle**  
Events to remember the role of scientific community in freedom movement
- 02 Ideas @ 75**  
New Science and Technology ideas for New India
- 03 Achievements @ 75**  
Showcasing the S & T Achievements of our country in last 75 years
- 04 Actions @ 75**  
S & T Action plan for New India
- 05 Resolves @ 75**  
Resolves to make Atmanirbhar and prosperous India





## IISF 2021 Programmes at a Glance

### *Creativity in Science through Cinema*

#### **International Science Film Festival of India (ISFFI)**

The International Science Film Festival of India (ISFFI) seeks to promote science popularization among citizens and aims at attracting talented young science filmmakers and science enthusiasts. The ISFFI offers an opportunity for students and film makers to get involved with the process of science communication through films. During the festival internationally acclaimed and award-winning foreign and Indian films will be screened via online platforms as well as at the IISF Venue. The ISFFI will have the competition in two categories, viz (i) 'Science for Everyone', and (ii) 'Indian Science@75'. Film festival will be based on the five pillars of Azadi ka Amrit Mahotsav.

DATE:10-13 December 2021

**COORDINATING AGENCY: Vigyan Prasar (DST)**

#### **COORDINATING TEAM:**

1. Nimish Kapoor, Vigyan Prasar 98102 15648
2. Rakesh Rao, VIBHA 84119 96453
3. Ashish Thakurdesai, VIBHA 98817 78876
4. Avinash Kumar, NCPOR 9158536334
5. Swati Nagar, NCPOR 99979 78855

**Email: [filmfestival@scienceindiafest.org](mailto:filmfestival@scienceindiafest.org)**

### *Creativity in Science through Literature*

#### **Science Literature Festival**

Science Literature Festival intends to popularize science, inculcate scientific temper, foster exchange of ideas to generate quality science content and deliberate on effectively communicating the content to the masses through various media. As part of the "Azadi ka Amrit Mahotsav" programme of the Govt. of India, this year, the Science Literature Festival will also focus on the role of scientists and scientific literature in pre-Independence India in awakening Indians against scientific colonialism. The major attractions will be Keynote Lectures, Panel Discussions; Vigyan Kavi Sammelan; Science Drama/ Folk Art; and many online and offline Science Competitions.


**DATE: 11-12 December 2021**

**COORDINATING AGENCY: NIScPR(CSIR)**

#### **COORDINATING TEAM:**

1. Hasan Jawaid Khan, NIScPR 98714 34447
2. Monica Jaggi, NIScPR 98732 99804
3. Sangeeta Abhyankar, VIBHA 97633 99193
4. Debobrat Ghose, VIBHA 99991 04134
5. Waliur Rehman, NCPOR 88063 29957
6. Arnab Mukharjee, NCPOR 93726 70241

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“A scientist does not belong to a particular nation. He belongs to the whole world. The doors of science should be kept open to all those who work for the welfare of humanity.”

*-Homi Jehangir Bhabha*

# IISF 2021 Programmes at a Glance

## *Celebrating Creativity of Engineers*

### **Engineering Students Festival**

Engineering Students Festival focuses on spreading technical knowledge and suffusing enthusiasm in the minds of the students to develop technology for the greater good of society. Bringing together the best minds from engineering world and providing a platform of interaction, ESF21 would give opportunity to entice every prospective engineer. Providing an avenue for showcasing innovative products, projects, ideas developed by Students, we see the best technology being incubated here.

Students would be prompted to adopt User Inspired Basic Research, a confluence of new knowledge and application. Entries would be invited online from 3 categories of students, namely Engineering (B.Tech/M. Tech/Polytechnique/ITI), Non-Engineering students (Basic science, etc) and international students. Entries called will be based on 5 pillars of Azadi Ka Amrut Mahotsav.

**DATE: 11-12 December 2021**

**COORDINATING AGENCY: DST**

#### **COORDINATING TEAM:**

- |                            |             |
|----------------------------|-------------|
| 1. Anita Gupta, DST        | 98118 28996 |
| 2. Ravinder Gaur, DST      | 98183 85649 |
| 3. Meghendra Sharma, VIBHA | 98230 21975 |
| 4. Sunil Bhat, VIBHA       | 90498 00298 |
| 5. Ravikant Sharma, NCPOR  | 75079 41901 |

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## *Celebrating Science with Rural Students*

### **Science Village Festival**

Science Village Festival is one of the prevalent flagship programs of India International Science Festival. In the science village students from class VIII and XI and coordinating teachers from the rural part of Goa will participate. This year Science Village Festival will be conducted in hybrid mode wherein the students from the rural and underprivileged sectors of the Goa will participate physically, while the students from other parts of Goa and other states will join virtually. Science Village will have three houses in the name of Indian scientists who worked as a freedom fighter. The science village aim to impart scientific temperament, provide exposure and create interest in Science and Technology under single roof at IISF. The participants will undergo unique science activities like hands-on scientific experiments, popular talks by eminent scientists, student poster presentation, City Tour etc. which will be the lifetime opportunity to the students and teacher participants. This year the activities of Science Village Festival emphasis on Azadi Ka Amrut Mahotsav with a particular theme on Role of Indian Scientific Community in freedom struggle and achievement of India @75.

**DATE: 10-13 December 2021**

**COORDINATING AGENCY: MoES**

#### **COORDINATING TEAM:**

- |                                |             |
|--------------------------------|-------------|
| 1. Sandeep Mukodhpyay, MOES    | 9874944104  |
| 2. Ramanuj Narayan, VIBHA      | 94904 10154 |
| 3. S. Sudhakar, VIBHA          | 84472 87018 |
| 4. Manoj Sawaikar, VIBHA       | 94044 54324 |
| 5. Ravidas Krishna Naik, NCPOR | 98231 29597 |

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## IISF 2021 Programmes at a Glance

### *🌀 Creativity in Science through Traditions*

#### **Traditional Crafts and Artisans Festival**

India's traditional economy was a mix and balance of agriculture and handicrafts but with the coming of the British, this balance was systematically slaughtered. Traditional handicraft industries slipped away from their position of eminence and declined rapidly till almost the onset of the 19th century. This de-industrialization by the British crushed the main pillars of the Indian economy and the scientific talent of artisans. The artisans were creating some of the finest materials of the world, using the scientific principles of these objects.

Indian traditional handicraft sector covers a canopy of rich arts and crafts. Indian artisans have created some of the world's finest materials in the line of scientific principles. The traditional industries still need to upgrade from their present position through scientific and technological interventions to a greater eminence. It being the 75th year of India's independence and is the most suitable time to highlight the work, finesse, and scientific aspects of these handicrafts and handlooms globally. Celebrating Azadi Ka Amrit Mahotsava, through this festival, we will focus on highlighting the tradition with the interaction of artisans and craftsmen with modern scientific approaches to give it a vast horizon.

**DATE: 10-13 December 2021**

**COORDINATING AGENCY:** AMPRI (CSIR)

#### **COORDINATING TEAM:**

1. Mohammad Akram Khan, AMPRI 94253 73429
2. Sarika Verma, AMPRI 94250 05438
3. Anil Kothari, VIBHA 94251 48662
4. Rajeew Singh, VIBHA 93112 25501
5. Nisha Nair, NCPOR 98193 97896

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### *🌀 Celebrating Scientific Creativity through World Records*

#### **Guinness Book of World Records**

World record attempts have been an integral part of IISF since its inception to encourage science popularization through active public participation. This year too IISF-2021 includes GWR to attain newer feats, and the world record attempt activities are planned to commemorate Azadi Ka Amrit Mahotsav, an initiative of the Government of India to celebrate 75 years of progressive India and the glorious history of its people, culture, and achievements. Three exciting activities will be attempted, to celebrate Achievements @ 75, Actions @ 75, and Resolves @ 75. In addition to creating awareness among students and science enthusiasts of diverse age groups, IISF-2021 GWR will recognize the involvement of Indian scientists and institutions through the world record attempt activities.

**DATE: 11-13 December 2021**

**COORDINATING AGENCY:** MOES

#### **COORDINATING TEAM:**

1. Vandana Chaudhary, MOES 98710 91061
2. Prashant Kodgire, VIBHA 86026 42820
3. Mayuri Dutt, VIBHA 94330 06002
4. Sameer Patil, VIBHA 94233 19929
5. Prince Prakash, NCPOR 80074 22299
6. Vikas Kumar, NCPOR 73877 95916

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## IISF 2021 Programmes at a Glance

### *Celebrating Creativity in Science through Games and Toys*

#### **Festival of Games and Toys**

Games and Toys are the most potent tools to impart knowledge, particularly of science, and values in joyful and entertaining ways. G&Ts play important role in nurturing creativity and imagination especially of young and tender minds. Lot of science is involved in the development of G&Ts. With the advancements in science and technology new vistas have opened up for creative and imaginative people to develop G&Ts of new age. IISF provides platform for this emerging domain to celebrate science with the ideas and spirit of Aazadi ka Amrit Mahotsav.

**DATE: 10-12 December 2021**

**COORDINATING AGENCY:** 4PI (CSIR)

#### **COORDINATING TEAM:**

- |                               |             |
|-------------------------------|-------------|
| 1. Pavithra N. R., 4PI (CSIR) | 89719 59506 |
| 2. Kaustubh Omar, VIBHA       | 98890 60047 |
| 3. Lathika, NCPOR             | 90495 32436 |

**Email: [gamesandtoys@scienceindiafest.org](mailto:gamesandtoys@scienceindiafest.org)**

### **Global Indian Scientists & Technocrats Meet**

IISF provides a glad opportunity to Indian diaspora working in the domain of science and technology to contribute creatively for the overall development of their motherland through a platform appropriately named as GIST – Global Indian Scientists and Technocrats – platform. GIST became a part of IISF from its 4th edition (Lucknow, 2018) and has grown steadily since then attracting Indians who have acquired modern S&T knowledge and skills while working abroad. Activities of GIST FEST this year will focus mainly on Food and Nutrition, Agriculture and Education. The patriotic spirit of Aazadi ka Amrit Mahotsav will generate urge amongst Indian brothers and sisters across the globe to participate in the celebration of science to regain the glory of India.


**DATE: 10-13 December 2021**

**COORDINATING AGENCY:** DST

#### **COORDINATING TEAM:**

- |                               |             |
|-------------------------------|-------------|
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| 2. Sulakshana Jain, DST       | 98736 01904 |
| 3. N. K. Prasanna, NIScPR     | 99533 90666 |
| 4. Yelloji Rao Mirajkar, GIST |             |
| 5. Nandkumar Palkar, GIST     | 99670 24237 |
| 6. Parijat Roy, NCPOR         | 96891 68772 |

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*“ We must teach science in the mother tongue. Otherwise, science will become a highbrow activity. It will not be an activity in which all people can participate. ”*

*-Sir C.V. Raman*



# IISF 2021 Programmes at a Glance

## 🌀 *Creativity in Science for preserving ecosystems*

### ECO FEST

ECO FEST is an initiative to sensitize the masses to empower each facet of the society to actively promote knowledge about eco-centric/sustainable community development at all levels and to become proactive practitioners of eco-friendly lifestyles through an immersive and hands-on experience. An ECO FEST of IISF 2021, gives us an opportunity to come out with creative scientific - ideas@75, actions@75 and resolves@75 as we are celebrating Azadi ka Amrit Mahotsav.

**DATE: 10-13 December 2021**

**COORDINATING AGENCY:** DBT

#### COORDINATING TEAM:

- |                            |             |
|----------------------------|-------------|
| 1. Sangita Kasture, DBT    | 99585 96118 |
| 2. Gulshan Wadhwa, DBT     | 98113 01820 |
| 3. Sumit Mishra, VIBHA     | 99119 20419 |
| 4. Vivek Kumar, VIBHA      | 94126 19735 |
| 5. Parmanand Sharma, NCPOR | 83908 07194 |

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## 🌀 *Scientific Creativity for Future*

### New Age Technology Show

The current age is technology driven. The influence of technology on our lives was far more visible as pandemic changed our way of living in last two years. New Age Technology Show aims to encourage innovativeness in emerging technologies such as AI/ML, Block chain, Cryptography/network security. This year the show will have competitions like ethical hacking, hackathon, demonstrations about five pillars using AR/VR etc. The demonstration will include the country's scientific achievement, rich cultural heritage, Atmanirbharata and Digital India.

**DATE: 10-13 December 2021**

**COORDINATING AGENCY:** DBT

#### COORDINATING TEAM:

- |                              |             |
|------------------------------|-------------|
| 1. Alka Sharma, DBT          | 99100 12563 |
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| 5. Ruchir Gupta, VIBHA       | 94251 56958 |
| 6. Rohit Srivastava, NCPOR   | 92745 84406 |
| 7. Anand Jain, NCPOR         | 73508 18590 |

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“*The purpose of a scientific institution is to give a stronger impulse and a more systematic direction to scientific enquiry*”

- Ashuthosh Mukherjee

## IISF 2021 Programmes at a Glance

### *Creativity in Science for Society*

#### **National Social Organisations & Institutions Meet**

NSOIM is being organized in the context of Azadi ka Amrit Mahotsav with self-reliance and efforts for vocal for local, thus paving way for self-reliance and prosperity through S&T intervention, delivery and community engagement as the underlying spirit in deliberations. Showcase the role of nation building organizations in the background of the five pillars of the Azadi ka Amrith Mahotsav namely (i) Freedom struggle and the lessons to be learnt from role & contributions of voluntary organizations (ii) Ideas @75 for addressing the grassroots level problems and thus lead to societal transformation (iii) Achievements @75, by various social organisations, institutions and individuals in socio-economic sector (iv) Actions @75 to identify the areas that nation building organizations can take forward the various Governmental efforts and missions in tackling the problems faced by nation and world over, to achieve self-reliance and prosperity (v) Resolve @ 75, which will give emphasis on the priority areas that need more committed efforts on behalf of S&T led voluntary developmental organizations and scientific institutions commonly considered as nation building organisations (NBO's) for solving the grassroots problems and provide sustainable solutions that can impact the life of common man.

**DATE: 11-13 December 2021**

**COORDINATING AGENCY:** DST

#### **COORDINATING TEAM:**

- |                                       |             |
|---------------------------------------|-------------|
| 1. Debapriya Dutta, DST               | 81305 45765 |
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*“Science and technology are as important for administration now-a-days as law and order.”*

*-Meghnad Saha*

## IISF 2021 Programmes at a Glance

### *Display of Scientific Creativity*

#### **Mega Science and Technology Expo**

IISF 2021 hosts a Mega Science Technology and Industry Expo. This “IISF Mega Science Expo 2021” will showcase India’s proudest achievements, advancements, and success stories in the field of Science, Technology, Industry, and Management during 75 years of Indian Independence.

The top Indian Scientific/ Academic Organizations, R&D Labs, PSUs, and Indian Industry will participate in this Expo and showcase the contribution of Science and Technology for the country’s overall development. Various Technologies developed by Indian Scientific and R&D Institutions across the country will be on display to educate and enthusiast Students, Young Scientists, and the general public. Along with this, IISF 2021 Expo will also showcase various initiatives by the Hon’ble Prime Minister in the last 7 years, like Swachh Bharat, Digital India, Skill India, Make in India, etc.

Also, to mark the spirit of the freedom struggle, the exhibits of this edition will have a special focus on the five pillars of “Azadi Ka Amrit Mahotsav”, i.e., Freedom Struggle, Ideas@75, Achievements@75, Actions@75, and Resolves@75.

**DATE: 10-13 December 2021**

**COORDINATING AGENCY:** VIBHA

#### **COORDINATING TEAM:**

- |                             |             |
|-----------------------------|-------------|
| 1. Manohar Pednekar, VIBHA  | 93261 39104 |
| 2. Rahul Singhal, VIBHA     | 98111 47676 |
| 3. Vipin Singh Rawat, VIBHA | 97168 85487 |
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**For your Participation and Registration:  
Please visit [scienceindiafest.org](http://scienceindiafest.org)**

*“Never accept an idea as long as you, yourself, are not satisfied with its consistency and logical structure on which the concepts are based.”*

*-Satyendra Nath Bose*



# STEERING COMMITTEE IISF 2021

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Minister of State (I/C) of Ministry of Science and  
Technology & Ministry of Earth Sciences

## CO-PATRON



**Dr. Pramod Sawant**  
Chief Minister of Goa

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Secretary Ministry of Earth Sciences (MoES)

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**Shri Mirza Javed Beg**  
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Ministry of Earth Sciences  
Government of India



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Department of  
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Department of Scientific &  
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