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विज्ञान भारती
Vijnana Bharati



सत्यमेव जयते
भारत सरकार
GOVERNMENT OF INDIA



हरियाणा सरकार
Government of Haryana



“There are no failures in science but only efforts, experiments, and success...”

SHRI NARENDRA MODI
Hon'ble Prime Minister of India



**INDIA
INTERNATIONAL
SCIENCE
FESTIVAL
2023**

17 to 20 January 2024
DBT THSTI- RCB Campus
NCR Biotech Science Cluster, Faridabad, Haryana

Science and Technology
Public Outreach in Amrit Kaal



Picture Courtesy : **ISRO Aditya-L1**



किरेन रीजीजू
KIREN RIJIJU



सत्यमेव जयते

75
आज़ादी का
अमृत महोत्सव

D.O. No. 211.....HMoES/(ES)/2023

मंत्री
पृथ्वी विज्ञान
भारत सरकार
MINISTER
EARTH SCIENCES
GOVERNMENT OF INDIA

Message

Ministry of Earth Sciences plays a very important role in the Hon'ble Prime Minister's 2047 Vision of a Developed India as every decision touches the common man in one way or the other. However, it is important for the Ministry that its work is disseminated to the common people of the country in a language they understand, the language which is simple and adoption of an approach which can directly connect chords. Through IISF 2023, this will be possible!

In an era of climate change, the role of Science and Technology is much more than ever before. Our scientists are doing very good work; it should be ensured that 100% utilization of their research should be done in all fields in the country. This requires highest level of citizen engagement so that solutions that have been identified get disseminated, and unmet needs or problems that only citizens can convey are undertaken for further research.

A larger question that remains is, how do Scientists and common people come closer so that the unmet needs can get the cognizance of Scientists and solutions get the cognizance of end-users i.e. common people. I am sure IISF 2023 will play a significant role in bridging this gap.

As I have been informed, our Ministry has been the part of this festival since its inception in 2015 and has been involved actively to the message of One Earth One Future. I would like to take this opportunity to complement the Department of Science and Technology (DST), Government of India, Vijnana Bharati (VIBHA) – swadesh science movement led by eminent scientists of the country and the National Innovation Foundation - India (NIF) for coordinating with the Ministry of Earth Sciences and several other Departments of Government of India so as to bring IISF 2023 to the forefront.

It's a special occasion where on the premise of Science, Technology, and Innovation every department and organization comes together to demonstrate their strengths and offerings like S&T products and services developed over a period of time. Let's make the most out of it.

(Kiren Rijiju)

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डॉ. जितेन्द्र सिंह

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



सत्यमेव जयते



MESSAGE

DR. JITENDRA SINGH

Minister of State (Independent Charge),
of the Ministry of Science and Technology,
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
Department of Space,
Government of India

The 9th India International Science Festival (IISF) is being organized by the Department of Science & Technology, Ministry of Earth Sciences, Council of Scientific and Industrial Research, Department of Biotechnology, Department of Space, and Department of Atomic Energy. This year the festival is being coordinated by the Department of Science & Technology, Government of India, and the National Innovation Foundation-India (NIF), an Autonomous Institute of DST. The event will be hosted in the State of Haryana at the combined campus of DBT-THSTI and DBT-RCB, Faridabad from 17 to 20 January 2024.

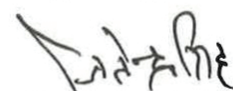
The festival aims to celebrate and highlight a wide range of achievements in the fields of science, technology, and innovation by the country. The overarching objective of this mega event is to connect individuals with the wonders of science in an engaging and enjoyable manner. The theme of IISF 2023 is '*Science and Technology Driven Nav Bharat in Amritkal*'.

Under Prime Minister Shri Narendra Modi, the Government of India is committed towards providing complete support to all citizens, institutions, and entities (both public and private sector) amongst others so as to ensure that science and technology can have a significant impact on the progress of society. India's scientific prowess has surged, ranking higher in global SCI publications and Ph.D. awards in the field of Science and Engineering. The country is a hotspot for startups and Unicorns. On the innovation front, India's ascent on the Global Innovation Index from 81st in 2015 to 40th in 2022 is commendable. Furthermore, it is a top-tier destination for tech investments and involvement of women's participation in S&T programs. Notably, India now ranks 9th globally in resident patent filings. Chandrayaan-3's successful soft landing on the lunar south pole region represents a significant milestone in lunar exploration and demonstrates India's growing capabilities in space technology. Furthermore, our nation has achieved remarkable advancements in green energy, healthcare, and agriculture due to the invaluable contributions of science and technology.

Every year IISF serves as an exceptional platform for fostering interactions among students, scientists, innovators, citizens, policymakers, industries, and startups. Dedicated events have been meticulously organized for students, artisans, innovators, young scientists, and enthusiasts of cutting-edge technology, scientific films, and literature.

I believe that a significant number of individuals from academia, schools, colleges, industry, and the general public will derive substantial benefits from IISF 2023.

I extend my best wishes for a resounding success to IISF 2023.



(Dr. Jitendra Singh)

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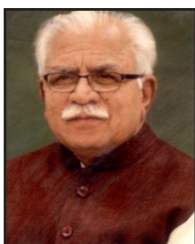
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मनोहर लाल
MANOHAR LAL



मुख्य मन्त्री, हरियाणा,
चण्डीगढ़।
CHIEF MINISTER, HARYANA,
CHANDIGARH.

Dated 26-10-2023

Message

It gives me immense pleasure to know that the Government of India has chosen the State of Haryana as the destination for the 9th India International Science Festival (IISF), scheduled to take place in Faridabad from January 17 to 20, 2024.

This decision not only offers a wonderful opportunity for the people of Haryana to partake in this four-day festival but also serves as a remarkable platform to witness the incredible technological innovations happening across various S&T bodies, start-ups, and even by the talented individuals of our nation, all under one roof.

In Haryana, we deeply understand the pivotal role of Science and Technology based education in one's life. Consequently, a plethora of educational institutions dedicated to fostering a culture of innovation and learning are functional in the state. I am confident that, in the days to come, the Government of Haryana, in collaboration with the Government of India through IISF, will establish robust partnerships with these educational institutions. Notably, in NITI Aayog's India Innovation Index 2022, the state of Haryana has secured a place amongst the top three states in the country.

I sincerely hope that the program will not only facilitate interaction but also provide a valuable platform for students to engage with renowned scientists. Such interactions can prove instrumental in shaping better strategies in the field of scientific innovations.

I am sure that the participants will be enriched with excitement, motivation, and invaluable guidance during their interactions with these luminaries of the scientific world. These moments of exchange are bound to inspire and guide the next generation of scientists and innovators, fostering a brighter future for the scientific community and our nation as a whole.

I extend my heartfelt best wishes to everyone participating in the 9th India International Science Festival in Haryana.


(Manohar Lal)

मूल चन्द शर्मा

Mool Chand Sharma



D.O.No. T.M/2023/543

परिवहन, खान एवं भू-विज्ञान, निर्वाचन
एवं उच्चतर शिक्षा मंत्री, हरियाणा ।

**Transport, Mines & Geology,
Elections and Higher Education
Minister, Haryana**

Dated. Chandigarh. 30-10-2023

Message

I compliment the Government of India for giving the people of Haryana an opportunity to experience a festival of Science and Technology like never before. The Government of Haryana is committed to promote and popularize Science and Technology for the advancement and welfare of the state and its people and to develop a scientific temper in them. The Government is also dedicated towards promoting a scientific temper by improvement in quality of science education in schools, support technology development and technology absorption, support research in priority areas, create science infrastructure, collaborate with other departments/universities/ research institutes, improve governance through technological shift and undertake benchmark studies in different fields. In this direction, the IISF 2023 getting hosted in the State of Haryana at Faridabad from 17 to 20 January 2024.

Conventionally, the State of Haryana has always remained at the forefront of technology, both generating it and also implementing it. The State has produced legends like the Kalpana Chawla whose achievements in the field of Science and Technology are par excellence. Haryana is a small and prospective state with wide variation of terrain characteristics and associated ecosystem. Compulsive demand for natural resources due to heavy demographic pressure and consequent over-exploitation and misuse of the available resources which, if not properly managed and conserved, may lead to ecological threats. Such situations immediately call for scientific management of natural resources to achieve the twin objective of meeting the demands of human population and sustaining and improving the environmental balance.

The State of Haryana is actively strengthening its STI ecosystem by way of strengthening STI Institutions, Human capacity, R&D infrastructure, Indigenous technologies, Startups, Communications, Women Scientists, Futuristic technologies, and IPR amongst others. I see IISF 2023 as an opportunity where there will be a lot that Haryana can learn from the rest of the country's innovations and also we could reciprocate by having rest of the country benefit from our share of initiatives.


30/10/2023
(Mool Chand Sharma)

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Prof. Ajay K. Sood

Principal Scientific Advisor to Govt. of India

India is considered a leader in the field of Science, Technology, and Innovation. We need to drive innovation and technology delivery towards solving socio-economic challenges for sustainable growth. To realize these goals and also others, a widespread and large dissemination efforts are needed for which citizen engagement is the core tenet. It is precisely at this juncture that the role of annual festivals like IISF becomes prominent. While on one side they inform us about the strong supply side of technologies readily available to us, they also help stakeholders ascertain where lies the demand. In this respect, IISF 2023 is poised to play an important role in making haves and have-nots meet each other. This festival is an opportunity to experience India's leadership in various domains like AI, Quantum, semiconductor, smart manufacturing, transportation, communication, and block chain technologies, etc. under one roof.

Prof. Abhay Karandikar

Secretary, DST



In today's world, where science and technology continue to evolve at an unprecedented pace, events like the IISF serve as symbols of inspiration and collaboration. The festival provides an invaluable opportunity for scientists, researchers, students, and enthusiasts to share their knowledge, exchange ideas, and foster new connections. It is a showcase of the incredible advancements, in science that have the potential to address some of the most pressing challenges faced by humanity. This festival of science inspires curiosity, drives inquiry, and charts a path toward a future where science and innovation lead the way to the progress of India and the globe. The theme of the 9th IISF is 'Science and Technology Public Outreach in Amrit Kaal' and it aims to inculcate a scientific temperament among the masses and showcase India's contribution to the field of Science and Technology. It offers a diverse range of programs, and I am confident that everyone will derive significant benefits from their participation.



Dr. Rajesh S Gokhale

Secretary, DBT

Very often, common people have an unanswered curiosity i.e. what have we achieved as a country in the field of technology and where exactly can we visit to build our awareness? The IISF 2023 would be a befitting response to all such unanswered queries and a mechanism to arise and satisfy curious minds. While on one side it would have a mega expo where countless meritorious innovations will be on display, and on the other expert speakers will share their expertise with audience so that accomplishments of the country in making are also in our cognizance. The theme of the 9th IISF - Science and Technology Public Outreach in Amrit Kaal is very appropriate and reflect our contemporary position in the new world order with respect to Science and Technology. We are a young and enthusiastic country which is determined to achieve a lot.

Dr. N Kalaiselvi

Secretary, DSIR & DG, CSIR



IISF has consistently evolved and grown to establish itself as an iconic annual event in the field of science and technology. It plays a pivotal role in bringing together a diverse audience, including school students, science enthusiasts, research scholars, educators, scientists, and the general public, through its multifaceted offerings. These include exhibitions, workshops, seminars, panel discussions, distinguished scientist lectures, interactive sessions with policymakers, and more. This wide array of activities and programs promotes scientific awareness, fosters curiosity, and encourages engagement with science and technology among people from various backgrounds and age groups. I am confident that the 9th edition of the IISF will continue the tradition of success seen in previous editions, with broad participation from all segments of society. I extend my best wishes for the grand success of the 9th India International Science Festival.



Dr. M. Ravichandran

Secretary, MoES

IISF is a crucial component of India's overarching vision to cultivate and broaden scientific awareness. It is a celebration of Science and technology, highlighting India's prowess and accomplishments in the scientific realm. The festival places a special emphasis on engaging students and science enthusiasts from diverse backgrounds, offering them an exceptional platform to explore contemporary areas of science and technology, gain fresh insights, and connect with like-minded individuals who share a scientific temperament. Additionally, it provides valuable opportunities for scientists, innovators, and aspiring researchers to engage in discussions, interactions, and collaborations. I believe that IISF with its theme 'Science and Technology Public Outreach in Amrit Kaal' will serve as a catalyst, sparking the enthusiasm of young minds and inspiring them to harness the power of science and technology to tackle societal challenges, thereby contributing to the country's development.

Shri. S. Somanath

Secretary, Department of Space and Chairman, ISRO



India's space exploration endeavors have consistently pushed the boundaries of human knowledge and technology. From the successful Chandrayaan, Mangalyaan, and Solar missions to the launch of numerous communication and earth observation satellites, India has firmly established itself as a global leader in space exploration. The Department of Space enthusiastically participates in IISF with the goal of disseminating technological advancements, showcasing practical applications, and highlighting achievements. The ultimate aim is to inspire and encourage young minds to pursue different science by igniting their curiosity and creativity. I am hopeful that the forthcoming festival will prove to be even more productive and eventful, bringing significant benefits to the scientific community and the public at large.



Dr. Ajit Kumar Mohanty

Secretary, DAE & Chairman AEC

This festival, launched by the Government of India, is steadily becoming an integral component of India's vision for fostering and disseminating scientific awareness among diverse stakeholders in our society. It serves as a platform to showcase and celebrate remarkable achievements in the domains of Science, Technology, and Innovation in India. The festival also offers a unique opportunity for the students and researchers to have interactions with eminent scientists, innovators, entrepreneurs, policymakers, media personalities, etc. 'Science and Technology Public Outreach in Amrit Kaal', the theme of this year's IISF aligns perfectly with India's vision to evolve into a science and technology-driven society. I believe that the India International Science Festival is set to be a boon for the scientific community and the general public alike, offering a wide array of programs and activities that will instill a sense of pride in being a part of this monumental gathering.

“Hard work never brings fatigue. It brings satisfaction.”

– Narendra Modi, Hon'ble Prime Minister of India



VISION

Promotion of creativity in science, technology and innovation for prosperous India.

MISSION



To involve innovative and imaginative intellects in India and worldwide in the celebration of science and to promote science and technology as catalysts for rapidly propelling India towards *Amrit Kaal*.

ABOUT IISF

The India International Science Festival (IISF) is a collaborative endeavour between Ministry of Science and Technology, Ministry of Earth Sciences, Department of Space and Department of Atomic Energy in partnership with Vijnana Bharati- a science movement spearheaded by scientists of the nation with swadeshi spirit. IISF's primary objective is to commemorate the world of science, making it accessible to all. The essential notion is to engage general populace with science in an enjoyable and entertaining manner, thereby contributing to health, prosperity and meaningful life. By means of its inventive programs and initiatives, IISF extends opportunities for people and scientific community, both within the country and internationally, to come together, collaborate and partake in the gratification of advancing scientific pursuits towards betterment of India and humanity.

JOURNEY OF IISF

Under the dynamic leadership of Hon'ble Prime Minister, India's S&T has transformed, with a commitment to innovation, transformative research, and technology-driven solutions. India is poised to emerge as a global leader in science and technology, dedicated to the upliftment of all.

The India International Science Festival (IISF), a celebration of India's achievements and laurels in the field of S&T is one such initiative of The Hon'ble Prime Minister under his vision of 'Science for Society'. IISF embarked on its remarkable journey in 2015, commencing with its inaugural event in Delhi. Over the years, this grand scientific extravaganza has seen eight successful editions, spanning vast geographical regions of India. In the year 2020, the formidable challenge of the Covid-19 pandemic threatened to disrupt this annual event. Still, it was met with unwavering determination as IISF swiftly pivoted to virtual platform, ensuring seamless continuation of its mission, celebrating human spirit that motivates everyone to innovate in adversities.

IISF is committed to the fundamental duty of developing scientific temperament, reason and logic among children and people at large, and aimed at making 'India the most credible centre for scientific learning' as envisioned by Hon'ble Prime Minister. The stewardship of this illustrious annual affair is entrusted to key departments under the Ministry of Science and Technology, including the Department of Science and Technology (DST), the Council of Scientific and Industrial Research (CSIR), the Department of Biotechnology (DBT), and the Ministry of Earth Science. Since 2021, The Department of Space and the Department of Atomic Energy have also joined hands with IISF in its mission to make the innovation ecosystem stronger and more effective thereby motivating generations. In addition, other ministries and departments connected to science and technology had consistently played pivotal roles in orchestrating IISF. Notably, Vijnana Bharati has been a steadfast partner, contributing significantly and propelling the progress of IISF.

IISF has evolved with innovative program design, linking diverse aspects of life to science. Its standout feature is inclusivity, ensuring participation from all segments of society. Participation from India and worldwide has consistently grown in each edition, attracting a broader and more diverse audience, in line with its envisioned outcomes.

- IISF 2015-IIT Delhi
- IISF 2016-CSIR-NPL, Delhi
- IISF 2017-IIT Madras, Chennai
- IISF 2018-IGP, Lucknow
- IISF 2019-Science City, Kolkata
- IISF 2020-CSIR-NISTADS
- IISF 2021-NCPOR, GOA
- IISF 2022-MANIT, Bhopal

EVENTS

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Student Science Village

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Face-to-Face with New Frontiers of Science & Technology

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Students Innovation Festival-Space Hackathon

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IISF Challenge

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Education for Aspiring India - National Science Teachers Workshop

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Young Scientists' Conference

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New Age Technology Show

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National Social Organisations and Institutions Meet (NSOIM)

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Science, Technology and Innovation Exhibition

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S & T Media and Communicators Conclave

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Start-up, Technology and Innovation B 2 B Meet

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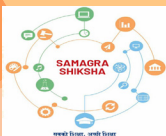
Women Scientists and Entrepreneurs Conclave

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IISF Outreach Events

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Cultural Programme



“ I can foresee that India will march ahead phenomenally in this decade which is hailed as the techade for humanity. ”

– Narendra Modi, Hon'ble Prime Minister of India

Student Science Village

The Student Science Village program, an initiative in the India International Science Festival (IISF), is intended to provide students with an opportunity to explore and engage with science in a fun and interactive way, inculcating scientific temperaments, creativity, and innovations, thereby, promoting scientific literacy, critical thinking and encourage youngsters to pursue careers in STEM.

The program is open to all the students of classes VIII to XI. Nominations will be invited from the Aspirational districts, 'First villages' of the border districts from every nook and corner of the country. The key objectives of the program are to provide students with an opportunity to explore scientific concepts and problem-solving aptitude and develop teamwork, leadership, and interpersonal skills.

The program offers hands-on experiments, interactive exhibits, and interactions with scientists, technocrats, innovators, and educators enabling students to learn by doing and reconnecting the world of science. Students can watch scientific films, mega science expo, and visit scientific institutes to gain a deeper understanding of research and development. The activities are designed for students to discover their interests and skills in S&T and innovation, become critical thinkers, and inspire and empower the next generation of young scientists and innovators for New India.

Dates: 17 to 20 January 2024
Venue: DBT THSTI-RCB Campus

Coordinators

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“ It is not just the government efforts. New ideas come from young minds at campuses and not government buildings and fancy offices. ”
– Narendra Modi, Hon'ble Prime Minister of India



Face-to-Face with New Frontiers of Science & Technology

Science and technology continually evolve to meet growing needs, emphasizing collaboration for knowledge expansion and societal progress. The theme of green technology underscores the potential for innovation, especially in areas like engineering, agriculture, veterinary care, and health. Combining formal and non-formal sector innovations consolidates scientific knowledge and technology, while exciting areas like space exploration, green energy, AI, and robotics ignite youth interest in these fields. This fosters scientific curiosity among the younger generation, driving interdisciplinary exploration in agro-tech, medicine, nanotechnology, genetics, and more, offering innovative solutions and societal benefits.

'Face to Face with New Frontiers of Science & Technology' program offers direct interactions between students/researchers and eminent personalities par excellence in various S&T fields including academia, research, and industry. The aim is to motivate youth to lead India's advancements in science and technology, positioning the nation as a global leader in S&T. This initiative encourages students to pursue careers in research and science. The insights from these eminent personalities will shape India's future vision, ensuring technology accessibility and benefits reach every corner of the country. Such collective efforts will drive Science, Technology, and Innovation for a thriving BHARAT.

Date: 17, 19 and 20 January 2024

Venue: DBT THSTI- RCB Campus

Coordinators

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“ Our focus should be on developing toys, games that present every aspect of Indianness in interesting, interactive ways. ”

– Narendra Modi, Hon'ble Prime Minister of India

Science through Games & Toys

STEAM subjects (Science, Technology, Engineering, Arts, and Mathematics) are crucial for developing a future-ready workforce. It is essential that children develop interest in these subjects during early years of school education. Science-based games and toys act as a bridge, making these subjects more accessible and enjoyable, instilling a passion for STEAM from young age. They also highlight the significance of science in daily life. These tools help children to appreciate fundamental scientific principles and foster curiosity and critical thinking. India has a rich heritage of such toys that can aid in the development of skills like math, sensory development, and hand-eye coordination. Advances in science and technology have led to innovative, new-age games and toys. The 'Science through Games and Toys' initiative at IISF aims to instil a scientific mindset using these tools, showcasing both traditional and contemporary options. It hosts sessions and workshops for students and teachers to promote effective teaching methodologies with these resources.

Date: 17 to 20 January 2024

Venue: DBT THSTI-RCB Campus

Coordinators

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“Space may seem distant, but is an integral part of our daily life. It drives our modern communication and connects even the remotest family to the ordinary. India’s space programme is a perfect example of our vision of Scale, Speed and Skill.”

– Narendra Modi, Hon’ble Prime Minister of India



Students Innovation Festival - Space Hackathon

The Students Innovation Festival - Space Hackathon 2023 brings together young minds, researchers, and space enthusiasts by focusing on space technology and exploration. The event aims to inspire critical thinking and innovative solutions for real-world space challenges. Nationwide participants, including students and researchers, engage in tackling space-related problems, covering topics such as satellite technology and space exploration challenges, and the opportunity to interact with ISRO scientists, and access to BHUVAN platform.

The festival finale Hackathon also features workshops, seminars, and insights from renowned scientists, astronauts, and industry leaders through keynote sessions. This event bolsters India’s presence in global space endeavours, fostering interest and innovation in space science and technology. SIF23 encourages use of modern technology and space exploration for a sustainable future. The event is open to all students.

Dates: 17 to 19 January 2024

Venue: DBT THSTI- RCB Campus

Coordinators

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“ India is a diverse nation. We must be proud of the many languages and dialects.”

– Narendra Modi, Hon'ble Prime Minister of India

Vigyanika - Science Literature Festival

Science and technology (S&T) are pivotal drivers of national growth and a solution to global challenges. Recognising the paramount significance of S&T, the ninth edition of IISF is dedicated to celebrate the concept of 'Science & Technology Public Outreach in Amritkaal.' To harness the full potential of existing and emerging scientific knowledge, it is imperative that societies actively engage in this endeavour. In this context, science communication is a proven method to disseminate scientific information and cultivate scientific awareness among the general populace.

Vigyanika, with its primary objective of showcasing India's remarkable progress in S&T and charting a comprehensive roadmap for effective communication of S&T achievements, is positioned to facilitate in-depth discussions and dialogues. This will be achieved through various means, including keynote lectures, panel discussions, scientific sessions, and more. Furthermore, Vigyanika will encompass additional features such as a workshop, vigyan kavi sammelan, and various online, and offline competitions.

Date: 18 and 19 January 2024

Venue: DBT THSTI-RCB Campus

Coordinators

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“ My mission is to work for the development of my country and my people. This gives me great energy, especially because there is a long way to go for us. ”

– Narendra Modi, Hon'ble Prime Minister of India



State S&T Ministers, Center, States S&T Secretaries and Officials Conclave

This significant gathering brings together Ministers, Secretaries, and Officials in the field of Science and Technology from different states. The occasion serves as a forum for extensive conversations regarding policies, endeavors, and obstacles in the realm of science and technology, both at regional and international levels. The emphasis is on harmonizing S&T policies, funding, and endeavors between national and state levels so as to facilitate holistic progress. Through discussions and presentations, esteemed individuals will share exemplary approaches, and promote cooperation to propel research, innovation, and progress throughout India. Additionally, it will establish a unified approach, ensuring India's prominence in global scientific advancements.

Date: 17 and 18 January 2024

Venue: DBT THSTI-RCB Campus

Coordinators

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“ No matter how difficult the goals are or how formidable the challenges are, when India is determined, no goal is impossible. ”
– Narendra Modi, Hon'ble Prime Minister of India

IISF Challenge

Promoting science is essential for its advancement, and nurturing a scientific mindset in curious individuals will always be instrumental in achieving this objective. Continuing in this spirit, the IISF Challenge (erstwhile GWR) will persist in inspiring young minds and reaching new heights through its established tradition. The upcoming generation of dynamic scientists will collaborate to attempt record titles, such as simultaneously assembling prototype models and demonstrating functional science models. This will enhance students' belief and dedication to socially empowering India through technological contributions. A wall of fame, displaying previous edition's achievements, will serve as an inspiring testament to hope and creativity for visitors. With its distinctive appeal, the exhibited displays will effectively encapsulate the essence of IISF 2023.

Date: 18 January 2024

Venue: DBT THSTI-RCB Campus

Coordinators

Department of Space

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“ Teachers have a key role in the transformation of society just like mother play a vital role in bringing positive changes to a family. ”

– Narendra Modi, Hon'ble Prime Minister of India



Education for Aspiring India - National Science Teachers Workshop

Teachers play a crucial role in shaping moral values, thinking processes, and discipline of the younger generation, making them vital contributors to the nation-building process. They serve as sources of inspiration and have a profound impact on the future of both individual students and the nation as a whole. In the 21st century, with the rapid advancement of science and technology, science education has become a focal point in the school education system, aligning with the changing needs of society and the goal of holistic development outlined in the NEP 2020.

'The National Science Teachers workshops' aim to gather innovative, dedicated educators from across the country to promote experiential learning, emphasize key concepts, and encourage problem-solving skills. Participants will share teaching methodologies and innovations in activity-based learning. Panel discussions will cover various aspects of science education, including effective tools for comprehensive learning. The workshop also aims to leverage science education as a means for nation-building through Science, Technology, and Innovation, culminating in a report based on discussions and dissertations.

Date: 17 to 20 January 2024
Venue: DBT THSTI-RCB Campus

Coordinators

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“ Our demographic dividend is our strength. The youth have what it takes to engage with the latest technology. ”

– Narendra Modi, Hon'ble Prime Minister of India

Young Scientists' Conference (YSC)

The Young Scientist Conference (YSC) aims to provide a platform for advancing aspiring researchers in frontier sciences. YSC will offer ample opportunities for young postgraduates, research scholars, postdocs, academicians, scientists, entrepreneurs, and innovators under the age of 45 years from R&D laboratories, academic institutions, and industries to share experiences, exchange ideas, and discuss the country's research vision for Amrit kaal to make a Samruddha Bharat.

YSC will allow young researchers to exhibit their accomplishments, identify emerging trends, new research opportunities, scientific methods & tools in the frontier sciences striving to combat climate change, achieve sustainable development, and solve societal & industrial challenges. YSC will also provide budding scientists an excellent platform to witness the country's scientific achievements and the local to global challenges that need to be solved through Science & Technology and Innovation. During YSC, there will be lots of scope for young scientists to discuss their exciting research and innovations with common masses, fellow researchers, and peers of the subjects and establish scientific connections and collaborations to address societal issues.

Date: 17 to 20 January 2024
Venue: DBT THSTI-RCB Campus

Coordinators

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“ Bringing big data, AI and blockchain to solve India’s biggest challenges – healthcare, agriculture and developmental needs can only be done by our scientists and engineers. ”

– Narendra Modi, Hon’ble Prime Minister of India



New Age Technology Show

India has made notable strides across diverse domains of technology, exemplified by the successful Mars Orbiter Mission (Mangalyaan) and Chandrayaan missions, reflecting nation’s unwavering commitment to advance cutting-edge technologies and their seamless integration into daily lives. The New Age Technology Show is a meticulously crafted event designed to exalt and commemorate innovations spanning from Virtual Reality (VR), Artificial Intelligence (AI) and Machine Learning (ML), Internet of Things (IoT) and Industry 4.0, 5G/6G, Semiconductor Chip Design, Advanced Drones, Green Energy, Quantum Computing, and AI in medical science.

This event offers engaging talks, enlightening panel discussions, and captivating live demonstrations and exhibitions. It offers a platform to delve into knowledge acquisition and appreciation of technological innovations.

Date: 17 to 20 January

Venue: DBT THSTI- RCB Campus

Coordinators

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“ Sabka Saath, Sabka Vikas, Sabka Vishwas and now Sabka Prayaas is very important for the achievement of all our goals. ”

– Narendra Modi, Hon'ble Prime Minister of India

National Social Organisations and Institutions Meet (NSOIM)

The National Social Organizations and Institutions Meet (NSOIM) is a crucial component of the Indian International Science Festival (IISF), serving as a platform to unite stakeholders in societal development. It facilitates presentations, interactive sessions, and demonstrations of innovative technologies that enhance citizens' quality of life and livelihoods. The event promotes exchange of ideas between scientific and social communities, with a focus on grassroots models conducive to livelihood-centric development, social diffusion, and commercialization, originating from scientific and research institutions. Participants from science & technology based social organizations, societal research & academic institutions, and entrepreneurs engaged in societal development shall engage in discussions on scientific interventions and sustainable models for societal development. The central theme for NSOIM-2023 is 'Technological Innovations for Grassroots Development' encompassing sub-themes like Grassroots Innovations for Livelihood Generation, Addressing Emerging Societal Challenges, Water and Environment Conservation, Food and Nutrition Solutions, and Livelihood-Centric S&T Systems for Multidimensional Poverty Alleviation.

Date: 17 to 19 January, 2024

Venue: DBT-THSTI - RCB Campus

Coordinators

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“ India is changing. India’s standing on the global stage is rising and this is due to Jan Shakti. ”

– Narendra Modi, Hon’ble Prime Minister of India



Science, Technology and Innovation Exhibition

The ‘IISF- Science, Technology and Innovation Exhibition 2023’ highlights India’s achievements and progress in science and technology, aiming to promote scientific awareness, hands-on learning, and address societal issues. Distinguished Indian scientific organizations, educational institutions, innovators, and startups will participate, showcasing their contributions to the nation’s advancement. The exhibition will feature technologies from various Indian research and development institutions, engaging students, scientists, educators, policymakers, and the public. Additionally, it will spotlight initiatives like AatmaNirbhar Bharat, Swachh Bharat Abhiyan, Digital India, Make in India, and more. This event provides a unique opportunity for people of all ages to engage with scientists, gaining insights into complex scientific concepts. It not only celebrates India’s scientific accomplishments but also inspires the next generation to contribute meaningfully to the scientific community.

Date: 17 to 20 January 2024
Venue: DBT RCB-THSTI Campus

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“ The future belongs to social media. It is egalitarian and inclusive. Social media is not about any country, any language, any colour, any community but it is about human values and that is the underlying link binding humanity. ”

– Narendra Modi, Hon'ble Prime Minister of India

S&T Media and Communicators Conclave

S&T Media and Communicators Conclave promises to be a dynamic and enlightening gathering that unites world of journalism and science communication. In an era where information is disseminated at the speed of light, this intersection of science and media has never been more critical. With a two-day agenda, this conclave seeks to explore, debate, and deliberate on the multifaceted relationship between science and media, with a focus on new trends, challenges, and road ahead. Through a range of engaging sessions, from panel discussions to master classes, this event will dissect topics like 'Science Vs. Media: New Trends, Challenges & Road Ahead,' addressing scourge of fake news, misinformation, and ethical considerations. It will also delve into pivotal role of social media in science communication and its promises and potential of science journalism in Indian languages. With an impressive lineup of invited speakers, experts, and panellists, this conclave aims to foster dialogue, exchange insights, and provide a platform for journalism students to understand the intricacies, responsibilities, and ethics of science reporting. This will facilitate a captivating journey into the realm where science and media converge, shaping the narratives of our ever-evolving world.

Date: 18 to 19 January 2024
Venue: DBT RCB-THSTI Campus

Coordinators

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“ Startups are the engines of exponential growth, manifesting the power of innovation. Several big companies today are startups of yesterday..... ”

– Narendra Modi, Hon'ble Prime Minister of India



Start-up, Technology and Innovation B 2 B Meet

The 'Startup, Technology and Innovation B 2 B Meet' enables convergence of innovation, technology, and entrepreneurship. This event aims to serve as a dynamic platform promoting collaboration between cutting-edge technology startups, research institutions and broader business community.

At the heart of the event is an engaging exhibition featuring technology startups- poised to disrupt industries with their innovative solutions, pioneering products, and services. Simultaneously, research institutions will unveil their latest technological developments, highlighting opportunities for partnerships and knowledge exchange. The event also features insightful panel discussions, where industry experts, entrepreneurs, and policymakers will delve and explore critical topics. These topics include funding avenues, regulatory frameworks, mentorship programs, etc., providing invaluable insights for those looking to enter or expand in the technology domain. The event aims to be a catalytic force driving innovation and fostering the growth of technology startups in India, thereby contributing to the nation's position as a global technology hub.

Date: 17 to 20 January 2024

Venue: DBT RCB-THSTI Campus

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“ Our Matru Shakti is our pride. Women empowerment is very crucial to our development. They have ensured tech globalisation. ”

– Narendra Modi, Hon'ble Prime Minister of India

Women Scientists and Entrepreneurs Conclave

The Women's Conclave is an inclusive and empowering forum designed to empower and support aspiring women leaders in science, entrepreneurship, sustainability, and technology. Crucially, this event will feature enlightening sessions and panel discussions that will bring together women pioneers, entrepreneurs, and policymakers to explore the expansive terrain of challenges, opportunities, funding policies, and the influential role of networking. These discussions will provide valuable insights for women aspiring to engage in meaningful discussions, share their insights, gain valuable knowledge, and establish connections with individuals from various walks of life. Featuring an exciting technology start-ups exhibition and the latest technological developments from research institutions, this event offers a unique platform for collaboration, knowledge exchange, and partnership building. This conclave is not just a gathering; it is a catalyst for change. Its fundamental objective is to ignite a profound sense of determination and purpose within women, encouraging them to be proactive in their pursuit of personal and societal transformation. It fosters a spirit of empowerment and inspires women to take charge of their own destinies, fostering a future where gender equality and women's leadership thrive.

Date: 18 to 19 January 2024
Venue: DBT RCB-THSTI Campus

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“We walk together, we move together, we think together, we resolve together, and together we take this country forward”

– Narendra Modi, Hon'ble Prime Minister of India



IISF Outreach Events

Organizing the India International Science Festival 2023 with meticulous planning and execution, along with a strong focus on engaging participants and promoting scientific awareness, will contribute to the event's success and have a lasting impact on society. In this respect, outreach programs will be conducted across the nation.

Date: 01 to 31 December 2023

Coordinators

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Vijnana Bharati (VIBHA)

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“Our culture is our strength be it music, dance, poetry or anything, and these are very precious.”

- Narendra Modi, Hon'ble Prime Minister of India

Cultural Programme

The cultural segment will showcase vivid tapestry of India's varied and extensive heritage. It will feature customary music, dance displays, indigenous art forms and dramatic exhibitions. Ranging from classical forms such as Bharatanatyam and Kathak to regional folk performances, the cultural program embodies India's harmony amidst its diverse cultural fabric. This provides participants with an immersive journey through the nation's past, customs and creative expressions, rendering the IISF event an enlightening and enjoyable occasion.

Date: 17 to 19 January 2024
Venue: DBT RCB-THSTI Campus



WHO CAN PARTICIPATE?

Participants in the India International Science Festival (IISF) will include Students, educators, scientists, researchers, industry professionals, entrepreneurs and science communicators. The festival offers a platform for individuals with varying levels of interest and expertise in science and technology to engage in exhibitions, competitions, workshops, and knowledge-sharing activities.

Are you a young scientist, undergraduate/postgraduate student, social organisation, innovator start-up entrepreneur, activist, art enthusiast or practitioner?

If so, come and join the India International Science Festival 2023. Please read the details given in the Events and their eligibility.

HOW DO THEY BENEFIT?

IISF 2023 with its theme 'Science and Technology Public Outreach in Amrit Kaal' aims to offer a myriad of benefits to people by serving as an educational and inspirational platform. Participants and attendees can gain knowledge from renowned scientists and experts, fostering a deeper understanding of various scientific disciplines.

The event encourages networking, enabling individuals to connect with like-minded peers, researchers, and professionals for potential collaborations and partnerships. IISF raises awareness about critical scientific and technological issues, equipping the public with the information necessary for informed decision-making. It also inspires the next generation of scientists and innovators, nurturing an interest in STEM fields.

Additionally, through hands-on activities and interactions, attendees can enhance their practical skills, contributing to personal and professional growth in the realm of science and technology.



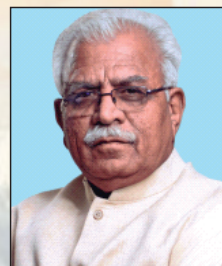
CHIEF PATRON



Sh. Kiren Rijiju
Union Cabinet Minister, MoES
Chief Patron

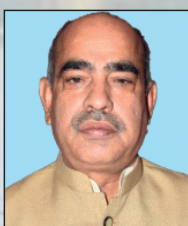


Dr. Jitendra Singh
Minister of State (I/C), MoS & T
Chief Patron



Sh. Manohar Lal Khattar
Chief Minister, Haryana
Chief Patron

PATRON



Sh. Mool Chand Sharma
Directorate of S & T, MoHE, Haryana
Patron



Prof. Ajay Kumar Sood,
Principal Scientific Advisor to Govt. of India
Patron

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Secretary, DST
Chairman



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Member



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Sh. Bhupinder Singh Bhalla
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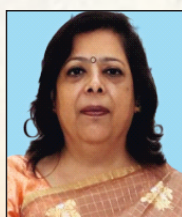
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Member



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Ms. Leena Nandan
Secretary, MoEF&CC
Member



Vaidya Rajesh Kotecha
Secretary, AYUSH
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Sh. S Krishnan
Secretary, MeitY
Member



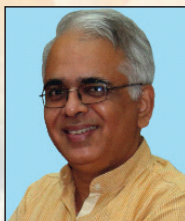
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Member



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Senior Advisor, DST
Member



Sh. Sanjeev Kaushal
Chief Secretary, Haryana
Member



Dr. Shekhar C. Mande
President, VIBHA
Member



Dr. Sudhir S. Bhadauria
Secretary General, VIBHA
Member



Sh. Praveen Ramdas
National Secretary, VIBHA
Member

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Chairman



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President, INSA, New Delhi
Member



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Member



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Director, NIPGR, New Delhi
Member



Dr. Ranjana Aggarwal
Director, NIScPR, New Delhi
Member



Dr. Vipin Kumar
Chief Scientist & Former Director,
NIF- India
Member

CHIEF COORDINATORS



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Joint Secretary (Admn),
DST

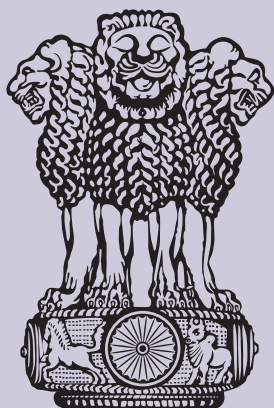


Dr. Arvind C Ranade
Director, NIF-India &
Member Convener,
Programme Committee



Sh. Umesh Kumar
Deputy Secretary, DST
(Training and Exhibition)

In Association with...



सत्यमेव जयते

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MINISTRY OF NEW AND RENEWABLE ENERGY

स्वास्थ्य अनुसंधान विकास
DEPARTMENT OF HEALTH RESEARCH

आयुष मंत्रालय
MINISTRY OF AYUSH

स्वास्थ्य एवं परिवार कल्याण मंत्रालय
MINISTRY OF HEALTH AND FAMILY WELFARE

इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय
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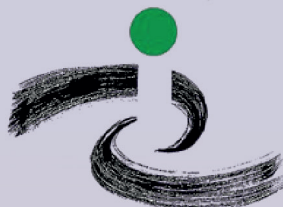
सूचना एवं प्रसारण मंत्रालय
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ग्रामीण विकास मंत्रालय
MINISTRY OF RURAL DEVELOPMENT

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय
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Defence Research & Development Organisation
- भारतीय कृषि अनुसंधान परिषद
Indian Council of Agricultural Research
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Translational Health Science and Technology Institute

Coordination & Implementation



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