



विज्ञान भारती
VIJNANA BHARATI



सत्यमेव जयते
भारत सरकार
GOVERNMENT OF INDIA



हरियाणा सरकार
GOVERNMENT OF HARYANA

PROGRAMME GUIDE



INDIA
INTERNATIONAL
SCIENCE
FESTIVAL
2023

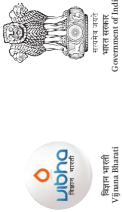
17 to 20 January 2024
DBT THSTI - RCB Campus
NCR Biotech Science Cluster, Faridabad, Haryana

SCIENCE AND TECHNOLOGY
PUBLIC OUTREACH IN AMRIT KAAL



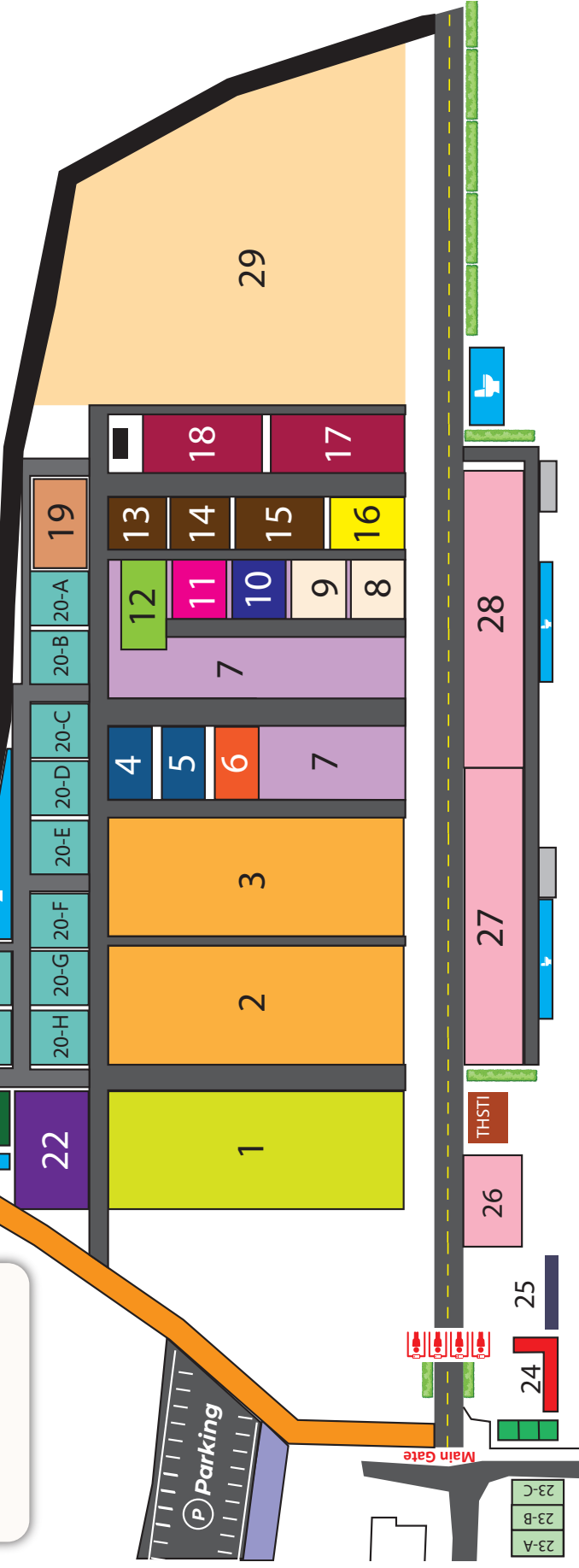
INDIA INTERNATIONAL SCIENCE FESTIVAL 2023
17 to 20 January 2024
DBT IISF-KCB Campus
P.O. SCIENTISTS
NCR Biotech Science Cluster, Faridkot, Haryana

Organised by



ubna
UNIVERSITY
Bharat Rashtra
Vishva Bhawan

Coordinated & Implemented by
राष्ट्रीय-समर्पित-प्रतिष्ठान - भारत
National Innovation Foundation - India
Autonomous Institute/Department of Science and Technology, Govt. of India



HALL NO.	HALL NAME	EVENT NAME	HALL NO.	HALL NAME	EVENT NAME	HALL NO.	HALL NAME	EVENT NAME
1	A.P.J. Abdul Kalam	Inaugural Hall	20-F	Har Gobind Khorana	Science Village	26	Coluthur Gopalan	ST&I Exhibition Food Court
2	Shanti Swarup Bhatnagar	Exhibition Hall-1	20-G	M. S. Swaminathan	Science Village	27	K. T. Achaya	Delegate Dining
3	Pratulla Chandra Ray	Exhibition Hall-2	20-H	Govind Swarup	Science Village	28	Verghese Kurien	Student Food Court
4	Mahendra Lal Sarker	NSOIM	20-I	E. C. George Sudesthan	Science Village- Store	29	P. R. Pisharoty	IISF Challenge
5	M. Visvesvaraya	NSOIM	20-J	P. C. Vaiciya	Science Village- Lounge			Public Toilets
6	Jamsetji N. Tata	Start Up Meet	21	D. S. Kothari	Media Center			VIP road
7	G. N. Ramachandran	Exhibition Stalls	22	Janki Ammal	VIP Dining			Main Road
8	Madan Mohan Malaviya	Vigyanika	23-A	M. K. Khan	YSC			Friking
9	Swami Vivekananda	Vigyanika	23-B	Satyendra Nath Bose	YSC			Server room
10	V. M. Ghatge	New Age Tech Show	23-C	Radhanath Sikdar	YSC			Ancillary Services
11	Anand G. Joshi	Women Scientist	24	Obaid Siddiqi	Registration Desk			
12	Pramatha Nath Bose	Sci. through Games & Toys	25	Khem Shahani	Paid Food Court			
13	S. Radhakrishnan	NSTW	27					
14	Venkatesh Bapuji Kelkar	NSTW	28					
15	Ruchi Ram Sahni	NSTW	29					
16	Kamala Sohonie	VIP Waiting Hall						
17	S. Chandrasekhar	SIF- Space Hackathon						
18	Meghnad Saha	SIF- Space Hackathon						
19	Asima Chatterjee	S&T Media Conclave						
20-A	J. C. Basu	Science Village						
20-B	S. Ramanujan	Science Village						
20-C	C. V. Raman	Science Village						
20-D	Homi J. Bhabha	Science Village						
20-E	Vikram Sarabhai	Science Village						

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किरेन रीजीजू
KIREN RIJIJU



सत्यमेव जयते



आजादी 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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Room No. 502, Ministry of Earth Sciences, Prithvi Bhawan, Lodhi Road, New Delhi - 110003
Tel. No. : 011-24629788,24629789

डॉ. जितेन्द्र सिंह

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



सत्यमेव जयते

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



MESSAGE

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.

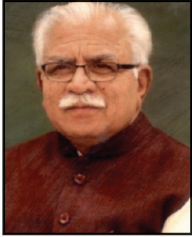
I extend my best wishes for a resounding success to IISF 2023.

(Dr. Jitendra Singh)

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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. TM/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.


(Mool Chand Sharma)

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निवास : कोठी नं 75, सेक्टर 7, चण्डीगढ़ ।

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Dr. G Madhavan Nair
Thiruvananthapuram



National President
Dr. Shekhar C. Mande

Secretary General
Dr. Sudhir. S. Bhadauria

09 Kartika 1945 (31 October 2023)



Message

It gives me great pleasure to announce that the Ninth edition of the India International Science Festival (IISF) is going to be organized at RCB-THISTI Campus, Faridabad, Haryana from 17-20 January 2024. This annual festival of science and technology serves as a forum for the amalgamation of science and technology with youngsters, academicians, scientists, and common citizens of the nation. IISF has always aimed to provide solutions to real-life problems through scientific interventions by bringing science academic fraternity and common citizens on one platform.

In the last 10 years, India has progressed in leaps and bounds and has become the leading nation of the world. Whenever humanity has faced any challenging situation, India has taken up the challenge and helped resolve it. The most recent one was the COVID pandemic when India's Biomedical fraternity rose to the situation by developing the vaccine and also sharing it with other countries. In every sector of science and technology, India is rising and achieving greater heights. Inspired by the Hon'ble Prime Minister Narendra Modi Ji's focus on self-reliant India, the theme for 2023 is, "Science and Technology Driven Nav Bharat in Amritkal", as our unwavering commitment to promoting scientific knowledge and innovation.

Vijnana Bharati is immensely grateful to the Ministry of Science and Technology, Government of India for their outright support and encouragement to make IISF successful. I eagerly look forward to welcoming all the dignitaries from India and abroad to IISF 2023 and wish for a resounding success of this hugely popular science festival.

(Shekhar C Mande)

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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.

STUDENT SCIENCE VILLAGE

17th January - 20th January 2024

Programme Schedule

Day 1 (17 January 2024)

Time	House Name and No.	Activities
10:30 – 13:00 hrs	IISF 2023 Inauguration	
13:00 - 14:00 hrs	Lunch	
14:00 – 17:00 hrs	J.C. Basu House (20-A)	Student Scientist Interaction: Dr. Uma Kumar, Dr. A P Dimri, Dr. Sreenath Rathnakumar
	S. Ramanujan House (20-B)	Physics Activity
	C.V. Raman House (20-C)	Chemistry Activity
	Homi J. Bhabha House (20-D)	Maths Activity
	Vikram Sarabhai House (20-E)	Biology Activity
	Har Govind Khorana House (20-F)	Fold Scope
	M.S. Swaminathan House (20-G)	Mega Science Expo Visit
	Govind Swarup House (20-H)	Inspire Manak Visit
15:30 - 16:00 hrs	TEA	
18:00 - 19:30 hrs	Cultural Programme	
19:30 - 20:30 hrs	Dinner	

Day 2 (18 January 2024)

Time	House Name and No.	Activities
	Group A (Houses 20-A, 20-B, 20-C, 20-D)	
09:30 – 12:30 hrs	J.C. Basu House (20-A)	Inspire Manak Visit
	S. Ramanujan House (20-B)	Student Scientist Interaction: Dr. Dinesh Kundu, Dr. Deepankar Banerjee, Dr. Sreenath Rathnakumar
	C.V. Raman House (20-C)	Physics Activity
	Homi J. Bhabha House (20-D)	Chemistry Activity
12:30 – 13:30 hrs	Lunch	

13:30 – 15:10 hrs	J.C. Basu House (20-A)	Mega Science Expo Visit
	S. Ramanujan House (20-B)	Inspire Manak Visit
	C.V. Raman House (20-C)	Student Scientist Interaction: Dr Simon Doe, Dr. Dinesh Kundu, Dr. Deepankar Banerjee, Dr. Abhinav Shukla
	Homi J. Bhabha House (20-D)	Physics Activity
15:10 – 15:20 hrs	Tea	
15:20 – 17:00 hrs	J.C. Basu House (20-A)	Fold Scope
	S. Ramanujan House (20-B)	Mega Science Expo Visit
	C.V. Raman House (20-C)	Inspire Manak Visit
	Homi J. Bhabha House (20-D)	Student Scientist Interaction: Dr. Dinesh Kundu, Dr. Deepankar Banerjee, Dr. Abhinav Shukla
Group B (Houses 20-E, 20-F, 20-G, 20-H)		
09:30 – 11:15 hrs	Vikram Sarabhai House (20-E)	Maths Activity
	Har Govind Khorana House (20-F)	Biology Activity
	M.S. Swaminathan House (20-G)	Fold Scope
	Govind Swarup House (20-H)	Mega Science Expo Visit
11:15 – 11:30 hrs	Tea	
11:30 – 13:30 hrs	Vikram Sarabhai House (20-E)	Chemistry Activity
	Har Govind Khorana House (20-F)	Maths Activity
	M.S. Swaminathan House (20-G)	Biology Activity
	Govind Swarup House (20-H)	Fold Scope
13:30 – 14:30 hrs	Lunch	
14:30 – 17:00 hrs	Vikram Sarabhai House (20-E)	Physics Activity
	Har Govind Khorana House (20-F)	Chemistry Activity
	M.S. Swaminathan House (20-G)	Maths Activity
	Govind Swarup House (20-H)	Biology Activity
18:00 - 19:30 hrs	Cultural Programme	
19:30 - 20:30 hrs	Dinner	

Day 3 (19 January 2024)

Time	House Name and No.	Activity
Group A (Houses 20-A, 20-B, 20-C, 20-D)		
09:30 – 12:30 hrs	J.C. Basu House (20-A)	Biology Activity
	S. Ramanujan House (20-B)	Fold Scope
	C.V. Raman House (20-C)	Mega Science Expo Visit
	Homi J. Bhabha House (20-D)	Inspire Manak Visit
12:30 – 13:30 hrs	Lunch	
13:30 – 15:10 hrs	J.C. Basu House (20-A)	Maths Activity
	S. Ramanujan House (20-B)	Biology Activity
	C.V. Raman House (20-C)	Fold Scope
	Homi J. Bhabha House (20-D)	Mega Science Expo Visit
15:10 – 15:20 hrs	Tea	
15:20 – 17:00 hrs	J.C. Basu House (20-A)	Chemistry Activity
	S. Ramanujan House (20-B)	Maths Activity
	C.V. Raman House (20-C)	Biology Activity
	Homi J. Bhabha House (20-D)	Fold Scope
Group B (Houses 20-E, 20-F, 20-G, 20-H)		
09:30 – 11:15 hrs	Vikram Sarabhai House (20-E)	Student Scientist Interaction: Ms. Siti Fariyah, Dr. Sanjeev Sinha, Dr. Asfa Siddiqui, Dr. Prabhajot Kaur
	Har Govind Khorana House (20-F)	Physics Activity
	M.S. Swaminathan House (20-G)	Chemistry Activity
	Govind Swarup House (20-H)	Maths Activity
11:15 – 11:30 hrs	Tea	
11:30 – 13:30 hrs	Vikram Sarabhai House (20-E)	Inspire Manak Visit
	Har Govind Khorana House (20-F)	Student Scientist Interaction: Mr. Marc Prensky, Dr. Sanjeev Sinha, Dr. Asfa Siddiqui, Dr. Abhinav Shukla
	M.S. Swaminathan House (20-G)	Physics Activity
	Govind Swarup House (20-H)	Chemistry Activity
13:30 – 14:30 hrs	Lunch	

14:30 – 17:00 hrs	Vikram Sarabhai House (20-E)	Mega Science Expo Visit
	Har Govind Khorana House (20-F)	Inspire Manak Visit
	M.S. Swaminathan House (20-G)	Student Scientist Interaction: Dr. N K Mehara, Dr. Asfa Siddiqui, Dr. Manoj K Patel
	Govind Swarup House (20-H)	Physics Activity
18:00 - 19:30 hrs	Cultural Programme	
19:30 - 20:30 hrs	Dinner	

Day 4 (20 January 2024)

Time	House Name and No.	Activity
09:30 – 11:00 hrs	J.C. Basu House (20-A)	Physics Activity
	S. Ramanujan House (20-B)	Chemistry Activity
	C.V. Raman House (20-C)	Maths Activity
	Homi J. Bhabha House (20-D)	Biology Activity
	Vikram Sarabhai House (20-E)	Foldscope
	Har Govind Khorana House (20-F)	Mega Science Expo Visit
	M.S. Swaminathan House (20-G)	Inspire Manak Visit
	Govind Swarup House (20-H)	Student Scientist Interaction: Dr. Nand Kumar, Dr. Abhinav Shukla, Dr. Asfa Siddiqui
11:00 – 11:30 hrs	Tea	
11:30 - 12:30 hrs	Houses (20-A to 20-H)	Feedback Session
12:30 - 13:30 hrs	Lunch	
14:00 – 17:00 hrs	IISF Valedictory Function	

FACE TO FACE WITH NEW FRONTIERS OF SCIENCE & TECHNOLOGY

17th January, 19th - 20th January 2024

A.P.J. Abdul Kalam Hall (1)

Programme Schedule

Day 1 (17 January 2024)

13:30 - 14:30 hrs	Arrival of participants/audience Distribution of Food packets
14:30 - 14:45 hrs	Inauguration and Introduction of Speakers
14:45 - 16:00 hrs	Interactive Sessions <ol style="list-style-type: none">1 Creative Horizons: Exploring the Boundless Potential of Generative AI by Dr. Sidhant Wadhvani, Newfold Digital, Mumbai2 Unveiling the Power of Nuclei: A Journey through Nuclear Medicine Innovations by Dr. Masha Maharaj, Nuclear Medicine Centre of Excellence, South Africa

Day 3 (19 January 2024)

09:30 - 10:30 hrs	Arrival of participants/audience
10:30 - 10:45 hrs	Introduction of Speakers
10:45 - 12:00 hrs	Interactive session <ol style="list-style-type: none">1. ISRO's Stellar Odyssey: Human Presence in Space: Challenges of "Why" & "How" and recent triumphs by Dr. D K Singh, Deputy Director & Distinguished Scientist, ISRO2. Frontiers of Healing: Advancements in Pharma Through Virology and Molecular Biology by Prof Nagata Kyosuke, President of Tsukuba University & President of the Japan Association of National Universities
12:00 - 13:00 hrs	Distribution of Food packets

Day 4 (20 January 2024)

09:30 - 10:30 hrs	Arrival of participants /audience
10:30 - 10:45 hrs	Introduction of Speakers
10:45 - 12:00 hrs	Interaction with students <ol style="list-style-type: none">1 Malaysia's S&T Development: Pioneering Advancements and Global Opportunities by H.E. Madam Ruziah Binti Shafei, Deputy Secretary General, Ministry of Science, Technology and Innovation (MOSTI), Government of Malaysia2 One Health Approach: An Integrated Approach on Sustainable Ecosystems by Dr. Omosa Ochwang'i, University of Nairobi, Kenya
12:00 - 13:00 hrs	Distribution of Food packets

SCIENCE THROUGH GAMES AND TOYS

17th January - 20th January 2024

Pramatha Nath Bose Hall (12)

Programme Schedule

Day 1 (17 January 2024)

14:00 – 14:30 hrs	Inaugural session: Introduction to Science through Games and Toys
14:30 – 15:15 hrs	Simple Science Toys by Dr. Jayant Joshi
15:15 – 16:00 hrs	The STEAM Show by Tinker India Lab by Sh. Kaustubh Omar
16:00 – 17:00 hrs	Introduction to Sensors and Basic Programming by Team STEMROBO

Day 2 (18 January 2024)

10:00 – 11:30 hrs	Science with Origami by Sh. V S S Sastry
11:30 – 12:00 hrs	Global Practices to Promote Science by Madam Asrida Binti Asim
12:00 - 13:00 hrs	Demonstration of Sensor Driven Robotic Toys by Team STEMROBO
14:00 – 15:00 hrs	Science Behind Flying Objects by Dr. Suresh Kumar
15:00 – 16:00 hrs	Learning Weather Forecasting by Dr. Ajit Tyagi
16:00 – 18:00 hrs	Learning through Automata by Sh. Ravindra Godbole

Day 3 (19 January 2024)

10:00 – 11:00 hrs	Training Session – by Dr. Ruchi Verma, NCERT
11:00 – 12:00 hrs	Toys and Games as Learning Tools of Science and Mathematics by CCL, IIT Gandhinagar
12:00 – 13:00 hrs	Fun with Flying Things - Basic Aerodynamics Made Easy by Rtd. Cdr. TRA Narayanan
14:00 – 16:00 hrs	Demonstrations by Exhibitors, Traditional and Modern toys manufacturers
14:00 – 16:00 hrs	Bottle Rocket Activity by Space India Team
16:00 – 17:00 hrs	Summation of learnings - Valedictory session and Vote of thanks

Exhibition:

10:00 hrs - 17:00 hrs from 17th January 2024 to 20th January 2024

STUDENTS INNOVATION FESTIVAL - Space Hackathon 2023

17th January - 19th January 2024

S. Chandrasekhar Hall (17) and Meghnad Saha Hall (18)

Programme Schedule

Day 1 (17 Jan 2024)	
10:30 – 13:00 hrs	IISF 2023 Inauguration
13:00 - 14:00 hrs	Lunch
14:00 – 14:30 hrs	Inaugural Session (SIF-Space Hackathon 2023)
14:30 – 15:10 hrs	Lecture by Dr. Prakash Chauhan, Director, NRSC, Hyderabad, ISRO
15:10 – 15:30 hrs	Brief about SIF-Space Hackathon 2023
15:30 hrs	SIF-Space Hackathon 2023 Starts (continue for next 30 hrs)
19:30 – 20:30 hrs	Dinner
Day 2 (18 Jan 2024)	
11:00 – 12:00 hrs	Interaction of Shri S. Somanath, Secretary, Department of Space and Chairman, ISRO with delegates of Space Hackathon
12:30 – 13:30 hrs	Lunch
13:30 - 19:30 hrs	SIF-Space Hackathon 2023 (continue)
19:30 – 20:30 hrs	Dinner
22:00 hrs	SIF-Space Hackathon 2023 Ends
Day 3 (19 Jan 2024)	
10:00 – 10:45 hrs	Lecture cum Interaction by Mr. Marc Prensky, USA
10:45 – 11:30 hrs	Open Lecture by Shri Sudheer Kumar N, Director CBPO, ISRO
11:30 – 12:30 hrs	Lecture cum Interaction by Mr. H.E. Seingheng Hul, Cambodia
12:30 – 13:30 hrs	Lunch
13:30 – 15:30 hrs	Top 18 Teams Pitching
16:00 – 17:00 hrs	Result Declaration & Valedictory of SIF-Space Hackathon 2023
End of the Students Innovation Festival - Space Hackathon 2023	

VIGYANIKA: SCIENCE LITERATURE FESTIVAL

18th January - 19th January 2024

Madan Mohan Malviya Hall (8) and Swami Vivekananda Hall (9)

Programme Schedule

Day 1 (18 Jan 2024)	
Hall – 8	
10.00 - 11.15 hrs	Vigyanika: Science Literature Festival- Inauguration
11.15 - 11.30 hrs	Tea
11.30 – 12.45 hrs	Scientific session I Title: Science and Technology Public Outreach in India Chair: Prof. B. N. Jagatap, Senior Professor, IIT Bombay Keynote Address: Dr. Dinakar M. Salunke, Former Director, ICGEB and DBT-RCB Invited Lectures: 1. Prof. K. C. Bansal, Former Director, ICAR-NBPGR 2. Prof. Uma Kumar, Professor, AIIMS, New Delhi
12.45 – 14.00 hrs	Lunch
14.00 - 15.30 hrs	Panel discussion I Title: Apni Bhasha Apna Vigyan: Strengthening Science Communication in Indian Languages Chair: Shri Chamu Krishna Shastry, Padma Shri, Chairman, Bharatiya Bhasha Samiti Panellists: 1. Prof. V. P. N. Nampoori, Visiting Professor, CUSAT 2. Dr Neelima Jerath, Former Director General, Pushpa Gujral Science City 3. Dr. H. B. Singh, Chief Scientist, CSIR-NEIST 4. Dr. Uthra Dorairajan, Associate Professor and Head, Department of Physics, Dwaraka Doss Goverdhan Doss Vaishnav College 5. Dr. Mantu Bhuyan, Principal Scientist, CSIR-NEIST
Hall – 9	
14.00 - 15.30 hrs	Parallel Session Title: Workshop on popular science writing by 1. Shri Hasan Jawaid Khan, Former Chief Scientist, CSIR-NIScPR 2. Dr. H. S. Sudhira, Director, Gubbi Labs
15.30 – 15.45 hrs	Tea

Hall – 8	
15.45 – 17.30 hrs	Scientific session II Oral presentation by researchers Theme: Science Communication in India: Current Trends, Opportunities and Challenges Chair: Dr. Paresh K Joshi, Reader, TIFR-HBCSE
18.00 - 19.00 hrs	Cultural programme: Confluence of arts and science
Day 2 (19 Jan 2024)	
Hall – 8	
10.00 - 11.15 hrs	Panel discussion II Title: Creative Science Communication through Films, Podcasts & Social Media – Amplifying the Reach Chair: Dr. G. Mahesh, Head, DGED and SCDD, CSIR HQ Panellists: <ol style="list-style-type: none"> 1. Shri Pallava Bagla, Leading Science Communicator, Photo-journalist 2. Prof. B. S. Balaji, Professor, SBT, JNU 3. Dr. Maan Bardhan Kanth, Associate Professor, DY Patil International University, Pune 4. Shri Kollegala Sharma, Former Chief Scientist, CSIR-CFTRI 5. Ms. Neha Tripathi, Science Journalist
Hall – 9	
10.00 - 11.15 hrs	Parallel Session Drawing and Quiz Competition for School Students
11.15 - 11.30 hrs	Tea
Hall – 8	
11.30 – 12.45 hrs	Panel discussion III Title: Challenges in Traditional Knowledge Research & Communication Chair: Prof. Vasant Shinde, Former Vice-Chancellor, Deccan College Panellists: <ol style="list-style-type: none"> 1. Prof. Ganti S. Murthy, National Coordinator, IKS 2. Prof. Saroj K. Barik, Professor, NEHU. Former Director, CSIR-NBRI 3. Dr. Rashmi Sharma, Scientist F, DST 4. Prof. Virendra K. Paul, Professor, SPA, Delhi
12.45 - 14.00 hrs	Lunch

14.00 - 15.30 hrs	<p>Title: Vigyan Kavi Sammelan</p> <p>Chair: Dr Madhu Pant, Former Director, National Bal Bhawan</p> <p>Poets:</p> <ol style="list-style-type: none"> 1. Ms. Shubhrata Mishra 2. Dr. Rajesh Kumar 3. Dr. Anu Singh 4. Ms. Swati Amol Yadwdakar 5. Ms. Radha Gupta 6. Shri T. S. R. S. Sandeep
15.30 – 15.45 hrs	Tea
15.45 – 16.45 hrs	<p>Special Session: Science communication for Vasudhaiva Kutumbakam</p> <p>Chair: Prof. Ramesh V. Sonti, Director, ICGEB, New Delhi</p> <p>Panellists:</p> <ol style="list-style-type: none"> 1. Shri Sanjeev K. Varshney, Head, International Cooperation, DST 2. Dr. Subi Chaturvedi, Global SVP, Chief Corporate Affairs & Public Policy Officer, InMobi India 3. Mr. Marc Prensky, Internationally-acclaimed author 4. Dr. Sharmila Binti Md. Salleh, Chief Executive Officer at Yayasan Inovasi Malaysia (YIM)
16.45-17.30 hrs	Valedictory Session of Vigyanika: Science Literature Festival

STATE S&T MINISTERS AND CENTRE AND STATE S&T SECRETARIES AND OFFICIALS CONCLAVE

17th January - 18th January 2024

Programme Schedule

Day 1 (17 January 2024)

14:30- 16:30 hrs	Inaugural of the Conclave
	Round table discussion of S&T Ministers of States/UTs to deliberate on the strengthening Centre-State S&T cooperation to catalyze State STI ecosystem for inclusive and sustainable growth of the country. (All State S&T Ministers/Secretaries will share their views for 3 minutes; Global representatives will also share their views)

Day 2 (18 January 2024)

10:30 - 12:45 hrs	Special Address by Prof. Ajay Kumar Sood, PSA, Govt. of India (15 minutes) Panel discussion on Regional S&T Strengthening (1 Hour) <ul style="list-style-type: none">● S&T Councils: Sikkim, Gujarat, Jharkhand● Mentors:<ol style="list-style-type: none">1. Prof. Satish B. Agnihotri, Professor, CTARA, IIT Bombay2. Dr. Debapriya Dutta, Former Advisor, DST3. S&T Secretaries from State/UT
	Showcasing the case studies of best practices by S&T Councils (1 Hour) <ul style="list-style-type: none">● S&T Councils: Assam, Karnataka, Chhattisgarh● Mentor:<ol style="list-style-type: none">1. S&T Secretaries from State/UT
12:45 - 14:00 hrs	Lunch

14:00 - 16:15 hrs	<p>Special Address by Prof. Ashutosh Sharma, INSA President Panel discussion on Our problems Our solutions: Strengthening the TechNeev (Technology Foundation)</p> <ul style="list-style-type: none"> ● S&T Councils: Punjab, Kerala, Ladakh ● Mentors: <ol style="list-style-type: none"> 1. Dr. Unnat P. Pandit, Controller General of Patents, Designs & Trade Marks 2. Dr. Neeraj Sharma, Former Advisor, DST 3. S&T Secretaries from State/UT <p>Showcasing the case studies of best practices by S&T Councils (1 Hour)</p> <ul style="list-style-type: none"> ● S&T Councils: Haryana, Madhya Pradesh, Arunachal Pradesh ● Mentor: <ol style="list-style-type: none"> 1. S&T Secretaries from State/UT
16:15 - 16:30 hrs	Tea
16:30 - 16:50 hrs	Valedictory Session
16:50 - 17:10 hrs	High Tea

IISF CHALLENGE

18th January 2024

A.P.J. Abdul Kalam Hall (1) and P.R. Pisharoty Arena (29)

Programme Schedule

Time	Activity	
8:00 – 9:00 hrs	Arrival of Students inside A.P.J. Abdul Kalam Hall (1)	
9:00 – 9:30 hrs	Breakfast	
9:30 – 9:45 hrs	Instruction to the students and brief about IISF challenge and previous world records	
9:45 – 10:00 hrs	Inaugural for IISF Challenge 2023	
10:00 – 10:15 hrs	Demo Video Presentation	
10:15 – 10:30 hrs	Talk of Shri S Somanath, Secretary, Department of Space and Chairman, ISRO	
10:30 – 11:30 hrs	Challenge Commences in Hall 1: Assembling Pico Satellites within an hour	
11:30 – 12:30 hrs	Pisharoty Arena (29): Launch for 1 st batch of Pico Satellites	Lunch
12:30 – 13:30 hrs	Pisharoty Arena (29): Launch for 2 nd batch of Pico Satellites	
13:30 – 14:30 hrs	Pisharoty Arena (29): Launch for 3 rd batch of Pico Satellites	
14:30 – 15:30 hrs	Pisharoty Arena (29): Launch for 4 th batch of Pico Satellites	
15:30 – 16:30 hrs	Pisharoty Arena (29): Launch for 5 th batch of Pico Satellites	
16:30 – 17:00 hrs	A.P.J. Abdul Kalam Hall (1): Valedictory of IISF Challenge 2023	
17:00 hrs onwards	Departure of students from IISF challenge venue	

EDUCATION FOR ASPIRING INDIA - NATIONAL SCIENCE TEACHERS WORKSHOP

17th January - 20th January 2024

Dr. S. Radhakrishnan Hall (13), Venkates Bapuji Ketkar Hall (14)
and Ruchi Ram Sahni Hall (15)

Programme Schedule

Day 1 (17 January 2024)	
10.30 - 13.00 hrs	Inauguration of IISF 2023
13.00 – 14:00 hrs	Lunch
14.00 - 14.30 hrs	Inauguration of National Science Teachers Workshop
14.30 -15.30 hrs	Chaired by: Prof. Ashutosh Sharma, President, INSA and Former Secretary, Department of Science and Technology (DST), GoI Keynote Address by: Prof. K. Ramchandran – Advisor - NIEPA (National Institute of Educational Planning and Administration) Title: Role & Responsibilities of Science Teachers in National Education Policy 2020
15.30 – 16.10 hrs	Chaired by: Prof. (Retd.) V G Gambhir, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai Plenary Talk by: Dr. Manjula Pooja Shroff, Edupreneur, MD and CEO, Kalorex Group Title: Breaking the Barriers: Interactive and Engaging Learning Methodologies for School Education
16.10 - 16.40 hrs	Tea
16.40 – 17.30 hrs	Chaired by: Prof. (Mrs) Jayanti Dutta, Professor, Punjab University, Chandigarh Talk and Open Discussion by: Ms. Deeksha Awasthi, Global Mental Health Ambassador Title: Mental Health Matters: Fostering a Culture of Mental Well-being
17.30 – 18.30 hrs	Chaired by: Shri Gopal Iyengar, Chair Scientist, Ministry of Earth Sciences, GoI Talk and Open Discussion by: Dr. Sharmila Binti Md. Salleh, CEO, Yayasan Inovasi Malaysia (YIM) Title: Creative Thinking and Innovation in Education

Day 2 (18 January 2024)

09:30 - 10:30 hrs	<p>Activity Session on Earth Science (on weather/climate-IMD/ITM, ocean & poles-INCOIS/NIOT/NCPOR, seismology/geoscience-NCS etc., with supporting video clips and models.</p> <p>Experts of IMD and IITM:</p> <p>Shri Gopal Iyengar, Chair Scientist, MoES, Gol Dr Jagvir Singh, Scientist G/Adviser, MoES, Gol Dr Sandip Mukhopadhyay, Scientist F, MoES, Gol Dr. Vandana Chaudhary, Scientist F, MoES, Gol Shri Charan Singh, Scientist, IMD</p>
10:30 – 11:00 hrs	<p>Chaired by: Dr. P.K. Joshi, Faculty Member, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai</p> <p>Plenary Talk by: Dr. Mukesh Kumar Roy, Assistant Professor, IIITDM Jabalpur</p> <p>Title: Importance of Experiential Learning in Science Education</p>
11:00 - 11:30 hrs	Tea Break
11:0 – 12:15 hrs	<p>Chaired by: Dr Jagvir Singh, Scientist G/Adviser, MoES, Gol</p> <p>Plenary Talk by: Prof. (Retd.) V G Gambhir, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai</p> <p>Title: Role of Science Teachers in Fostering Culture of Innovation and Making Students Observant</p>
12:15 – 13:00 hrs	<p>Chaired by: Shri Gopal Iyengar, Chair Scientist, MoES, Gol</p> <p>Plenary Talk by: Dr Amarendra P Behera, Joint Director, Central Institute of Educational Technologies (CIET)</p> <p>Title: Introduction and Demonstration of New Tools and Technology</p>
13:00 – 14:00 hrs	Lunch Break
14:00 - 15:30 hrs	<p>Chaired by: Prof. T G Sitharam, Chairman - PARAKH – All India Council of Technical Education</p> <p>Panel discussion: Transformation of Assessment in NEP 2020</p> <p>Panel Members:</p> <p>Shri Vinayak Garg, Commissioner, Navodaya Vidyalaya Samiti Prof (Mrs) Jayanti Dutta, Professor, UGC-Human Resource Development Centre, Punjab University, Chandigarh Dr. Jyoti Gupta, Founder & Director, DPS, Sahibabad, Ghaziabad, Uttar Pradesh</p>
15:30 – 16:00 hrs	Tea Break
16:00 – 17:00 hrs	<p>Chaired by: Prof. Hemant Pande, Eminent Stem, Educator and Professor, HISLOP College, Nagpur</p> <p>Plenary Talk by: Shri Manish Jain, Teaching Professor, Creative Learning, IIT Gandhinagar</p> <p>Title: Strengthening Learning through Creativity</p>

17:00 – 17:45 hrs	<p>Chaired by: Prof. Ganti S Murthy, National Coordinator, India Knowledge System Division, Ministry of Education, New Delhi</p> <p>Plenary Talk by: Dr. Kiengkay Ounmany, Head, Research Office, SEAMEO Regional Centre for Community Education Development, Ministry of Education, Government of Lao PDR.</p> <p>Title: Learning from Lao PDR's Education Policies</p>
17:45 – 18:15 hrs	<p>Chaired by: Prof. Ganti S Murthy, National Coordinator, India Knowledge System Division, Ministry of Education, New Delhi</p> <p>Plenary Talk by: Dr. Isaac Niuguna Kimengi, Professor, Moi University, Kenya.</p> <p>Title: Sociology of Education : Learning from Kenyan Experience</p>
18:15 – 18:40 hrs	<p>Title: Demonstration of Innovative Teaching Tools by Innovative Teachers (Selective – from Participants)</p> <p>Session Coordinator: Prof. Hemant Pande, Eminent Stem Educator and Professor, HISLOP College, Nagpur</p>

Day 3 (19 January 2024)

09:30 - 11:00 hrs	<p>Demonstration and Hands on Activity: Learning from Experiments (Physics, Chemistry, Biology and building of astronomical instruments)</p> <p>Session Coordinator: Dr. P.K. Joshi. Faculty Member, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai</p> <p>(Participants (about 300 Science Teachers) will be split into 4 groups of 75 each. These four groups will be further split into 25 teams of 3 each and science related activities will be carried out in groups under the mentorship of experts.</p>
11:00 - 11:30 hrs	Tea
11:30 – 12:30 hrs	Session Continued
12:30 - 13:30 hrs	Lunch
13:30 - 15:30 hrs	Session Continued
15:30 – 16:00 hrs	Tea
16:00 – 18:30 hrs	Session Continued

Day 4 (20 January 2024)

09.30 – 11.00 hrs	<p>Chaired by: Prof. Nomesh Bolia, Indian Institute of Technology (IIT) Delhi</p> <p>Panel Discussion: Indian Knowledge System: Ancient to Aspiring India</p> <p>Dr. Venkatnarayan Ramanathan, Assistant Professor, Indian Institute of Technology, BHU</p> <p>Prof. Ganti S Murthy, National Coordinator, India Knowledge System Division, Ministry of Education, New Delhi</p>
11:00 – 11:30 hrs	Tea

11.30 – 12.30 hrs	<p>Chaired by: Dr. Abhay Jere, Vice Chairman, All India Council for Technical Education</p> <p>Plenary Talk on “Role of Government Institutions: Strengthening Science Education through Schemes”</p> <p>Dr. Namita Gupta: Head INSPIRE Programme, DST</p> <p>Prof. Sunita Farkya, Member Coordinator, PRAYAS, NCERT</p> <p>Dr. Vandana Singh, In-charge, Vigyan Jyoti, DST, Gol</p>
12.30 – 13.00 hrs	Valedictory Ceremony of National Science Teachers Workshop
13.00 – 14.00 hrs	Lunch
14.00 hrs	Valedictory Ceremony of IISF 2023

YOUNG SCIENTISTS CONFERENCE

17th January - 20th January 2024

Dr. M.K. Bhan Auditorium (23A), Satyendra Nath Bose Hall (23B) and Radha Nath Sikdhar Hall (23C)

Programme Schedule

17 January 2024 (Day One)			
8:30-9:30	Registration		
10:00- 13:00	IISF INAUGURATION		
13:00-14:00	Lunch		
14:30-15:30	YSC Inauguration, Main Auditorium, THSTI		
15:30-16:00	Tea		
PARALLEL SESSION-I : Expert's Invited Talks			
	Hall (23A)	Hall (23B)	Hall (23C)
16:00-17:00 (15 Min. Each)	Theme: Food Security and Agriculture Chaired by: Dr SK Barik, Former Director CSIR-NBRI and CSIR-IITR <ul style="list-style-type: none">● Dr KC Bansal, Secretary NAAS, Ex Director-NIPB● Dr Manoj Prasad, University of Delhi● Dr Anupama Singh, Joint Director ICAR-IARI	Theme: Artificial intelligence, Machine Learning, Big Data and the Internet of Things (IoT) Chaired by: Prof Mohan Wani, Director, NCCS Pune <ul style="list-style-type: none">● Dr Pushpendra P. Singh, IIT Ropar● Prof. Mahesh Kumar, IIT Jodhpur● Mr Ashish Aggarwal, Founder & CEO, MethdAI-The AI Learning Platform● Prof. MK Dutta, Dean, Amity University	Theme: Space research and society Chaired by: Dr Shailendra K. Saraf, Director, NIPER, Ahmedabad <ul style="list-style-type: none">● Shri Sudheer Kumar N, Director, Capacity Building and Public Outreach (CBPO), ISRO HQ● Dr Sriparna Chatterjee, CSIR-IMMT● Dr Rajan Jha, IIT Bhubaneswar
PARALLEL YOUNG SCIENTISTS SESSION-II : Flash Talks by Young Scientists			
17:00-18:30 (Each 5+3=8 Min.)	Hall (23A) Theme: Food Security and Agriculture 7 Speakers	Hall (23B) Theme: Artificial intelligence, Machine Learning, Big Data, and the Internet of Things (IoT) 10 Speakers	Hall (23C) Theme: Space research and society 7 Speakers
20:00- 21:00	DINNER		

18 January 2024 (Day Two)

09:00-09:30	Registration		
Plenary Talks (Main Auditorium)			
SESSION-III		Chaired by: Professor Chandrabhas Narayana, Director, RGCB	
09:30-10:15 (20 Min Each)	Speaker: Dr Abhay Karandikar, Secretary, DST	Speaker: Dr YK Gupta, President AIIMS Bhopal/Jammu	
PARALLEL SESSION-IV		Expert's Invited Talks	
10:15-11:00 (15 Min Each)	Hall (23A) Theme: Food Security and Agriculture Chaired by: Dr Ajit Shasany, Director, CSIR-NBRI <ul style="list-style-type: none">● Professor RC Sundriyal, HNBGU● Dr Ajit Shasany, Director, CSIR-NBRI● Dr Veda Krishnan, ICAR-IARI	Hall (23B) Theme: Indian knowledge system Traditional Knowledge Heritage Science and Contemporary Chaired by: Dr Ajai Singh, Director, AIIMS Bhopal <ul style="list-style-type: none">● Dr AA Mao, Director, Botanical Survey of India● Dr Vibha Tandon, Director, CSIR-IICB● Professor Pulok Kumar Mukherjee, Director-DBT-IBSD, Imphal	Hall (23C) Theme: Green Energy for Nation-Building Chaired by: Professor Gobardhan Das, Director, IISER-Bhopal <ul style="list-style-type: none">● Dr MS Santosh, CSIR-CIMFR, Dhanbad● Dr Rajendra S Dhaka, IIT Delhi● Dr Goldy Shah, Krupa Wastages
11:00-11:30	Tea Break		
PARALLEL YOUNG SCIENTISTS SESSION-V		Flash Talks by Young Scientists	
11:30-13:00 (Each 5+3=8 Min.)	Hall (23A) Theme: Food Security and Agriculture 7 Speakers	Hall (23B) Theme: Indian knowledge system Traditional Knowledge Heritage Science and Contemporary 10 Speakers	Hall (23C) Theme: Green Energy for Nation-Building 7 Speakers
13:00-14:00	Lunch		

PARALLEL SESSION-VI		Expert's Invited Talks	
14:00-15:00 (15 Min. Each)	Hall (23A) Frontiers in Life sciences, Chemical, Physical, and Medical Sciences Chaired by: Dr Vibha Tandon, Director, CSIR-IICB <ul style="list-style-type: none"> ● Professor Gobardhan Das, Director IISER, Bhopal ● Dr Ashwani Kumar, CSIR- IMTech, SSB Awardee ● Dr Rashmi Kumar, CSIR-IMTech ● Dr Amit Singh, IISc Bangalore, SSB Awardee 	Hall (23B) Theme: Sustainable Development and Circular Economy Chaired by: Padma Shri Professor Vinod Singh, IIT Kanpur <ul style="list-style-type: none"> ● Professor Pallab Bhattacharya, Dean, NIPER Ahmedabad ● Professor Venu Gopal Achanta, Director CSIR-NPL ● Dr T Govindaraju, JNC SAR, SSB Awardee 	Hall (23C) Theme: Green Energy for Nation-Building Chaired by: Dr Ranjana Aggarwal, Director, CSIR-NIScPR <ul style="list-style-type: none"> ● Dr Dhiraj K Mahajan, IIT Ropar ● Dr Jajati Nayak, VECC Kolkata ● Dr VN Mishra, IMS, BHU
15:30-16:00	Tea Break		
PARALLEL YOUNG SCIENTISTS SESSION-VII		Flash Talks by Young Scientists	
15:00-17:00 including Tea break (Each 5+3=8 Min.)	Hall (23A) Theme: Frontiers in Life Sciences, Chemical, Physical, and Medical Sciences 10 Speakers	Hall (23B) Theme: Sustainable Development and Circular Economy 9 Speakers	Hall (23C) Theme: Green Energy for Nation Building 7 Speakers
17:00-18:30	POSTER SESSION (at lobby adjacent to the auditorium)		
20:00-21:00	DINNER		

19 January 2024 (Day Three)

SESSION-VIII		Plenary Talks (Main Auditorium) Chaired by: Dr YK Gupta, President AIIMS Bhopal/Jammu	
9:30-10:15 (20 Min. Each)	Speaker: Dr Unnat Pandit, Controller General of Patents, Designs And Trade Marks (CGPDTM), Ministry of Commerce and Industry, Govt of India	Speaker: Prof Ashutosh Sharma, President, INSA	

Expert's Invited Talks			
10:15-11:15 (15 Min. Each)	Hall (23A) Theme: Frontiers in Life sciences, Chemical, Physical, and Medical Sciences Chaired by: Dr YK Gupta, President AIIMS Bhopal/Jammu <ul style="list-style-type: none"> ● Dr Ramesh V Sonti, Director, ICGEB, SSB Awardee ● Professor IdahSithole-Niang, Dean, Faculty of Science and a Professor in the Department of Biochemistry, University of Zimbabwe. ● Dr Souvik Maiti, Director, CSIR-IGIB, SSB Awardee ● Dr Amit Kumar, CSIR-IMTech 	Hall (23B) Theme: Success Stories of Translation research from Lab to land/Industries/clinic/Masses Chaired by: Professor Pulok Kumar Mukherjee Director-DBT, IBSD, Imphal <ul style="list-style-type: none"> ● Dr PC Panchariya, Director, CSIR-CEERI Pilani ● Dr Arun Bandyopadhyay, Director, GBU ● Professor Chandrabhas Narayana, Director, RGCB 	Hall (23C) Environment and Climate Change Chaired by: Dr Bhaskar Narayan, Director CSIR-IITR <ul style="list-style-type: none"> ● Dr. Rodolfo J Calzado, Assistant Secretary (sub-Cabinet rank) for Development Cooperation of the Department of Science and Technology (DOST), Government of Philippines ● Prof. Mahesh G Thakkar, Director, BSIP ● Dr AK Bhagi, Delhi University
11:15-11:30	Tea Break		
SESSION-IX Flash Talks by Young Scientists			
11:30-13:00 (Each 5+3=8 Min.)	Hall (23A) Theme: Frontiers in Life sciences, Chemical, Physical, and Medical Sciences 10 Speakers	Hall (23B) Theme: Success Stories of Translation research from Lab to land/Industries/clinic/Masses 7 Speakers	Hall (23C) Theme: Environment and Climate Change 8 Speakers
13:00 -14:00	Lunch		

SESSION-X			
Expert's Invited Talks			
14:00-15:00 (15 Min. Each)	Hall (23A) Theme: Frontiers in Life sciences, Chemical, Physical, and Medical Sciences Chaired by: Dr Arun Bandyopadhyay, Director, GBU <ul style="list-style-type: none"> ● Dr Arun Srivastava, SGPGI, Lucknow ● Prof Dieter Trau, Asian Institute of Technology (AIT). ● Dr Ayan Dutta, IASC, Kolkata ● Dr Rajnish Chaturvedi, CSIR-IITR 	Hall (23B) Theme: Success Stories of Translation research from Lab to land/ Industries/clinic/ Masses Chaired by: Dr PC Panchariya, Director, CSIR-CEERI Pilani <ul style="list-style-type: none"> ● Dr. Vardan Gevorgyan, Advisor to Director of National Center for Innovation and Entrepreneurship (NCIE), The Ministry of Economy, Republic of Armenia ● Dr Pawan Verma, SGPGI, Lucknow ● Professor AK Das, Professor, IIT Guwahati, former Director, IIIT Manipur ● Dr Sunil Hota, DRDO-DIPAS 	Hall (23C) Theme: Environment and Climate Change Chaired by: Dr VN Mishra, IMS, BHU <ul style="list-style-type: none"> ● Dr Anurag Gaur, NSUT, New Delhi ● Dr Vivek Kumar, IIT Delhi ● Dr Arvind Mathur, Former Scientist, RSAC
15:30-16:00	Tea Break		
SESSION-XI			
Flash Talks by Young Scientists			
15:00-17:00 Including Tea break (Each 5+3=8 Min.)	Hall (23A) Theme: Frontiers in Life sciences, Chemical, Physical, and Medical Sciences 10 Speakers	Hall (23B) Theme: Success Stories of Translation research from Lab to land/ Industries/clinic/ Masses 7 Speakers	Hall (23C) Theme: Environment and Climate Change 7 Speakers
17:00-18:30	POSTER SESSION (at lobby adjacent to the auditorium)		
20:00-21:00	DINNER		

20 January 2024 (Day Four)

SESSION-XII

09:30-10:30	<p>INYAS Interactive Session</p> <p>Chaired by: Dr. YK Gupta, President AIIMS Bhopal, Jammu</p> <p>Prof. Rajendra S Dhaka; IIT Delhi, Dr. Mahesh Kumar; IIT Jodhpur, Dr. Veda Krishnan; ICAR-IARI; Dr. Rajnish Chaturvedi; CSIR-IITR, Dr. Sriparna Chatterjee; Dr. MS Santosh; CSIR-CIMFR, Dr. Shweta Yadav; University of Jammu, Dr. Rajan Jha; IIT Bhubaneswar</p>
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SESSION-XIII

10:30-11:30	<p>Interactive Session: Science Technology and Innovation in North East, Jammu & Kashmir, Leh and Ladakh: Prospects for Making Samridh Bharat in Amrit Kal</p> <p>Chaired by: Prof. Surinder K Mehta, Vice Chancellor, University of Ladakh and Dr. SK Barik, Former Director CSIR-NBRI and CSIR-IITR</p> <p>Panelists:</p> <ul style="list-style-type: none">● Prof. Bolin K. Konwar, Professor and Former VC of Nagaland Central University● Prof. Surinder K Mehta, Vice Chancellor, University of Ladakh● Prof. Gowhar Basheer Waqil, Director, Institute of Technology, University of Kashmir● Dr. Shweta Yadav, University of Jammu● Dr. Nitin Maurya, National Innovation Foundation - India
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SESSION-XIV

11:30-12:15	Interactive Session/Panel Discussion of Experts with participants
12:15-12:30	Experience sharing by participants
12:30-13:00	Valedictory session, Prize distribution and Group Photo
13:00-14:00	Lunch

IISF CLOSING CEREMONY

NEW AGE TECHNOLOGY SHOW (NATS)

17th January - 20th January 2024

V.M. Ghatage Hall (10)

Programme Schedule

Day 1 (17 January 2024)

14:30 -15:05	Inaugural Session of New Age Technology Show (NATS)
	Technical Session : Track 1: Technological Innovation through Advanced Technologies उन्नत तकनीकों के माध्यम से तकनीकी नवाचार Panel Discussion, Interactive talk/Demo, Exhibition/Innovation showcase Coordinator: Dr. Sunil Bhat, VNIT & Ms. Mamata Nayaka, NIF
15.30 -16.30	Panel Discussion: Advances in 5G/6G Communication Technologies Moderator: Ms. Tanushri Sharma, DST, Govt. of India Panel Speakers: 1. Prof. Kiran Kuchi, IIT Hyderabad 2. Mr. Satish Jamadagni, Senior VP (Standards), RIL Jio 3. Dr. Milind Gandhe, CEO, COMET, IIIT Bangalore
16:30 -18:30	Interactive Talk and Hands on training on Drone Technology 1. Shri Ashutosh Sharma, CEO, IHFC, IIT Delhi 2. Ms.Tanya Pande and Mr. Mohit Garg, Asma Aerospace, Kanpur
20:00 -21:00	Dinner

Day 2 (18 January 2024)

10:00 - 11:00	Technical Session : Track-2: TechVista: AR, VR, AI, ML, and 3D Printing Revolution Panel Discussion, Interactive talk/Demo, Exhibition/Innovation showcase तकनीकी दृष्टिकोण: एआर, वीआर, एआई, एमएल, और 3डी प्रिंटिंग क्रांति Coordinator: Dr Ashok Wankhede, VIBHA & Mr. Anurag Mishra, DST, Gol
	Interactive Talk and Demo on AR/VR 1. Dr. Ajit Padmanabh, Founder & CEO, AR WHO, Bangalore 2. Prof. Santanu Chaudhury, Director, IIT Jodhpur

11:00 - 12:00	Interactive Talk on IoT & Industry 4.0 1. Mr. Kiran Shesh, TIH Foundation for IoT & IoE, IIT Bombay 2. Dr. Simon Doe, National Manager, ANFF, Australia
12:00 – 13:00	Interactive Talk on 3D Printing Technologies 1. Mr. S. Lakshmi Narayanan, Head – Robotics, L & T, Chennai 2. Prof. K P Karunakaran, IIT Bombay 3. Dr.C.Anandharamakrishnan, Director, CSIR-NIIST, Thiruvananthapuram
13:00 - 14:00	Lunch Break
14:00 - 15:30	Interactive talk and Demo on AI/ML Tools 1. Mr.Jigar Halani, Director - Solution Architect & Engg, NVIDIA, Bangalore 2. Dr. Sunita Verma, Scientist G & Group Coordinator(R&D), Ministry of Electronics and Information Technology, GOI 3. Prof. G. K. Rath, Chief, Dr. B.R. Ambedkar Institute-Rotary Cancer Hospital, AIIMS- NCI, New Delhi 4. Mr. Ajay Singh Rajawat, Manager –Support and Onboard, Digital India Bhashini, Ministry of Electronics and Information Technology, GOI 5. Dr. Dinesh Pendharkar, Director, Sarvodaya Cancer Institute, Faridabad
15:30 – 16:30	Special talk by Shri S. Somanath, Chairman ISRO, Department of Space, Gol
16:30 – 17:30	Exhibition/Innovation showcase
20:00 -21:00	Dinner
Day 3 (19 January 2024)	
10:00 - 11:30	Panel Discussion, Interactive talk/Demo, Exhibition/Innovation showcase Track-3: TechFrontiers: Advancements in Health, Agriculture, Robotics, and Semiconductors तकनीकी अग्रणियों: स्वास्थ्य, कृषि, रोबोटिक्स, और सेमीकंडक्टर में उन्नतियाँ Coordinator: Mr. Rakesh Maheshwari, NIF & Ms. Rajani Kushwaha, DST, Gol
	Interactive Talk on Health & Agriculture 1. Dr. Rajesh Harsh, Programme Director, SAMEER, IITB Campus 2. Dr. Mariela Agolti Argentina, Secretary, WARMTH, Argentina 3. Prof. Pushpendra Singh, Project Director, iHub AWaDH, IIT Ropar 4. Dr. V.N. Kale, Addl. Commissioner, Min. of Agri. & Farmers Welfare, Gol
11:30 - 13:00	Interactive talk and Demo on Robotics 1. Prof. Amrutur Bharadwaj, Project Director, AI & Robotics Technology Park, IISc Bangalore 2. Prof. S K Saha, Project Director, I-Hub Foundation for Cobotics, IIT Delhi
13:00 - 14:00	Lunch Break

14:00 - 15:30	<p>Panel Discussion on Semiconductor Chip Design</p> <p>Moderator: Mr. Anurag Mishra, DST</p> <p>Panel Speakers:</p> <ol style="list-style-type: none"> 1. Dr. P C Panchariya, Director, CSIR CEERI Pilani 2. Dr. Satya Gupta, President, VLSI Society of India, Bangalore 3. Mr. Preet Yadav, R&D SOC Technical Program Manager, NXP, Noida
15:30 - 16:00	<p>Talk on “Converting Innovations into Business” by Ms. Theresia Nighsi Astuti, Indonesia</p>
16:00-16:30	<p>Presentation on Fulbright fellowship opportunities by Ms Pratibha Nair, Program Coordinator, Indian Program; United States-India Educational Foundation, Fulbright Commission in India</p>
16:30 -17:00	Demo from Digital India, Bhashini Division, Digital India Corporation, Gol
17:00 – 18:00	Exhibition/Innovation showcase
20:00-21:00	Dinner

Day 4 (20 January 2024)

	<p>Track-4: Innovation Horizons: Quantum Technologies and Cyber Security</p> <p>नवाचार क्षितिज: क्वांटम तकनीक और साइबर सुरक्षा</p> <p>Coordinator: Dr. JBV Reddy, DST, Govt. of India</p>
9:30 - 11:00	<p>Panel Discussion on Quantum Technologies</p> <p>Moderator: Dr. Swati Rawal Dang, DST</p> <p>Panel Speakers:</p> <ol style="list-style-type: none"> 1. Dr. Sudhir Ranjan Jain, Adjunct Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai 2. Prof. Urbasi Sinha, Raman Research Institute, Bangalore 3. Mr. Manish Modani, Principal Solution Architect, NVIDIA, Bangalore 4. Dr. A Robert J Ravi, DDG, DoT, Gol (TBC)
11:00 - 12:00	<p>Interactive Talk on Cyber Security</p> <ol style="list-style-type: none"> 1. Prof. Manindra Agarwal, Project Director, C3iHub, IIT Kanpur 2. Mr. Rahul Tyagi, Cofounder and ASEAN Marketing Lead, Safe Security, Delhi (TBC)
12:00 -13:00	<p>Valedictory Function of New Age Technology Show</p>

NATIONAL SOCIAL ORGANIZATIONS AND INSTITUTIONS MEET (NSOIM)

17th January - 19th January 2024

Mahendra Lal Sircar Hall (4) and M. Visvesvaraya Hall (5)

Programme Schedule

Day 1 (17 January 2024)

10:30 – 13:00 hrs	IISF 2023 Inauguration
13:00 - 14:00 hrs	Lunch
14.30- 16.00 hrs	Inaugural Session-NSOIM at venue
16.00-16.15 hrs	Tea
16:15-18:15 hrs	Session -1 Water and Environment - Conservation, Management, Security & Sustainability Chair: Dr. Vivek Kumar, Professor, Centre for Rural Development and Technology, IIT Delhi Key-note address: Dr. Sunil Chaturvedi, Working Chairman, VibhaVani Speaker 1: Om Satyam Trivedi, Secretary, Samanvay Tirth, Gaya, Bihar Speaker 2: Shri. Sundaram Verma, Padma Shri Awardee, Grassroots Innovator, NIF-INDIA Speaker 3: Dr. Kartik Sapre, Chief Executive, Narmada Samagra, Bhopal, M.P. Speaker 4: Shri P.G Krishnakumar, (Retd.) Deputy Director of Agriculture, Kerala

Day 2 (18 January 2024)

09:30-11:00 hrs	Session -2 Grassroots Innovations for Livelihood Generation Chair: Dr. Vipin Kumar, Former Director & Chief Scientist, NIF-INDIA Keynote Speaker: Dr. Surachai Sathitkunarath, Vice President, Office of National Higher Education Science Research and Innovation Policy Council, Kingdom of Thailand. Speaker 1: Shri. P.M Murugesan (NIF Grassroots Innovator) Speaker 2: Shri. Dharambir Kamboj (NIF Grassroots Innovator) Speaker 3: Shri. Jogendra Patra (NIF Grassroots Innovator)
11:00-11:15 hrs	Tea

11:15-13:30 hrs	<p>Session - 3</p> <p>Addressing Challenges of a healthy society - Food and Nutrition: The Role of Nation Building Organisation and Institutions</p> <p>Chair: Dr. Roshanlal, Professor, Punjab University, Chandigarh</p> <p>Keynote Address: Dr. C. Anandharamakrishnan, Director, CSIR-NIIST, Thiruvananthapuram, Kerala</p> <p>Speaker 1: Dr Arjun Chand, CP, Associate Professor, Pankajakasthuri Ayurveda Medical College and Post Graduate Centre, Thiruvananthapuram, Kerala</p> <p>Speaker 2: Dr. Unnikrishnan P., Professor, University of Trans-Disciplinary Health Sciences and Technology (TDU), Bengaluru, Karnataka</p>
13:30-14:30 hrs	Lunch
14:30-16:00 hrs	<p>Session - 4</p> <p>Livelihood-Centric S&T Systems for addressing Multidimensional Poverty - capacity building of NGOs and knowledge institutions</p> <p>Chair: Dr. N.C. Talukdar, VC, Assam Down Town University</p> <p>Keynote Address: Dr. Phyu Phyu Win, Chief Executive Officer, Department of Research and Innovation, Ministry of Education(MOE), Myanmar.</p> <p>Speaker 1: Dr. Debapriya Dutta, former Adviser/Scientist G, DST</p> <p>Speaker 2: Dr. Gopikrishna, Scientist F, DST SEED Division</p>
16:00-16:15 hrs	Tea
16:15-18:00 hrs	<p>Session - 5</p> <p>Interactive Panel Discussion- Emerging challenges of Society: Role of nation building organisations and Institutions (Continuation of Session 4)</p>
Day 3 (19 January 2024)	
09:30-11:30 hrs	<p>Session - 6</p> <p>Keynote Address: Prof Kailash Nath Sriram, Research Professor, University of South Australia's (UniSA) Future Industries Institute</p> <p>Grassroots model submission-3 Parallel sessions</p> <p>Chair-East Zone: Dr. Somnath Ghosal, Professor, Centre for Rural Development and Innovative Sustainable Technology, IIT Kharagpur</p> <p>Chair-North Zone: Dr. Bhalchandra Sathaye, Vice Chairman, Vibha Vani India</p> <p>Chair-South Zone: Shri. N.P Rajive, Executive Director, VibhaVani India</p>
11:30-11:45 hrs	Tea
11:45-13:30 hrs	Comments by Jury members on the grassroots model
13:30-14:30 hrs	Lunch

14:30-16:00 hrs	<p>Open Forum: Discussion on way forward towards collaborative approach for achieving self-reliance and rural prosperity-Interaction with panel</p> <p>Chair: Shri N.P. Rajive, Vice- Chairperson, NIF-INDIA</p> <p>Key note Address: Shri Praveen Ramdas, Secretary, Vijnana Bharati</p> <p>Speaker: Dr. Satyajit Majumdar, Professor of Center for Social Entrepreneurship and Dean of School of Management and Labour Studies, TISS Mumbai</p> <p>Topic: Role of Social enterprises in the collaboration for achieving self-reliance and rural prosperity.</p>
16:00-16:15 hrs	Tea
16:15-16:45 hrs	<p>Special Address: Prof. Mary Kinoti Wanjiru, Director, Innovation and Intellectual Property Management Office at the Office of Deputy Vice Chancellor Research Innovation and Enterprise, University of Nairobi</p>
16:45-18:00 hrs	<p>Valedictory Session</p> <p>Highlights: NSOIM Declaration, giving away the Certificate of Merit for 15 Grassroots development model presentation, release of Digital Hand book for nation building organisations – Navonmesh - 2</p>

SCIENCE, TECHNOLOGY AND INNOVATION EXHIBITION

17th January - 20th January 2024

Shanti Swarup Bhatnagar Hall (2) & Sir Acharya P.C. Ray Hall (3)

Programme Schedule

Day 1 (17 January 2024)

10:30 – 13:00 hrs	IISF 2023 Inauguration
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Hall No. 2 & 3

13:00 – 13:30 hrs	Inauguration of the Exhibition
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14:00 – 18:30 hrs	Exhibition open for public and continue for all four days
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Day 2 and Day 3 (18-19 January 2024)

09:30 – 18:30 hrs	Exhibition continues..
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Day 4 (20 January 2024)

09:30 – 12:30 hrs	Exhibition continues..
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12:30 – 13:00 hrs	Valedictory of the Exhibition
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14:00 – 16:00 hrs	IISF 23 Valedictory
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SCIENCE & TECHNOLOGY MEDIA AND COMMUNICATORS CONCLAVE

18th January - 19th January 2024

Asima Chatterjee Hall (19)

Programme Schedule

Day 1 (18 January 2024)

9:30-11:00 hrs	Inaugural Session Keynote address: Dr. William Selvamurthy, President, Amity STI Foundation
11:00-11:30 hrs	Tea
11:30-13:00 hrs	Master class: Science & Social Media - Good Practices Moderator: Ms. Rakhee Bakshee <ol style="list-style-type: none">1. Shri Bhupendra Kainthola, Press Registrar, RNI2. Dr. Somdatta Karak, Public Outreach Officer, CSIR-CCMB3. Dr. Pawan Singh, Head, Journalism Dept. and Mass Communication, J.C. Bose University of S&T, YMCA4. Shri Pallava Bagla, Science Journalist5. Shri Deepak Sharma, Science Communicator
13:00-14:00 hrs	Lunch
14:00-15:30 hrs	Guest of Honor: Dr. Ritu Bharadwaj, Team Leader & Principal Researcher, IIED, UK Panel discussion: Significance of Media in India's Science Diplomacy Discussant: Shri Debobrat Ghose, Senior Journalist & Editor, Science India Magazine <ol style="list-style-type: none">1. Dr. Bhaskar Balakrishnan (IFS), Former Diplomat and currently Distinguished Fellow, Research and Information System for Developing Countries2. Dr. Uday Kumar Varma (IAS), Former Secretary, Ministry of Information and Broadcasting & Central Appellate tribunal3. Dr. Arabinda Mitra, Former Scientific Secretary in the Office of the Principal Scientific Adviser and Head, International Cooperation (Bilateral), DST, Government of India4. Dr. Chaitanya Giri, Associate Professor & Chair, FLAME Centre for South & Southeast Asia Studies, FLAME University and Consultant at Research and Information System for Developing Countries
15:30 – 16:00 hrs	Tea
20:00 – 21:00 hrs	Dinner

Day 2 (19 January 2024)

11:00-11:30 hrs	Tea
11:30-13:00 hrs	<p>Panel discussion: Ways to enhance the representation of S&T in media</p> <p>Chair: Prof. K.G Suresh, VC, Makhanlal Chaturvedi National University of Journalism and Communication.</p> <p>Moderator: Ms. Rakhee Bakshee, Media consultant, IIPA</p> <ol style="list-style-type: none">1. Shri Pallava Bagla, Science Journalist2. Shri Raj Chengappa, Group Editorial Director, India Today3. Shri Vijay Joshi, CEO & Editor-in-Chief, Press Trust of India (PTI)4. Dr. Archita Bhatta, DST Media Cell
13:00-14:00 hrs	Lunch
14:00-15:30 hrs	<p>Panel discussion: Science through Cinema</p> <p>Chair: Dr. Chaitanya Giri</p> <ol style="list-style-type: none">1. Shri Abhijeet Satam, Director, Producer and an Actor in Marathi & Hindi Film industry2. Shri Nandan Kudhyadi, National Award-winning Science Filmmaker3. Shri Sanjay Puran Singh Chauhan, Film Director & Screenwriter4. Shri Matiur Rahman, Independent award-winning science filmmaker, author and Founder of START (Search for Truth & Return to Science)5. Shri Abhijit Mulye, Senior Journalist and Commentator
15:30 – 16:00 hrs	Tea
16:00 - 17:00 hrs	Valedictory Session
20:00 - 21:00 hrs	Dinner

STARTUP, TECHNOLOGY, AND INNOVATION B TO B MEET

17th January - 20th January 2024

Jamsetji N. Tata Hall (6)

Programme Schedule

Day 1 (17 January 2024)

14:30 – 16:00 hrs	Inauguration and discussion on Government Initiatives enabling startup ecosystem
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Day 2 (18 January 2024)

10.30 – 11.15 hrs	Opportunities and Challenges for B2B technology startups
11.15 – 12.00 hrs	Intellectual property rights: A component of commercial strategy
13:00 – 14:00 hrs	Lunch
14.30 – 15.15 hrs	CSR: A Value-Driving Force for Startups and Entrepreneurs
15.15 – 16.00 hrs	Fund raising: What it is?

Day 3 (19 January 2024)

10.30 – 11.45 hrs	Startup Canvas: Steps for startup success
11.45 – 13.00 hrs	Identifying problem and value for customer (Value Proposition and differentiation)
13:00 – 14:00 hrs	Lunch
14.00 – 15.30 hrs	Go-to-Market Strategy
15.30 – 17.00 hrs	How to pitch and raise funds

Day 4 (20 January 2024)

10:30 – 12:30 hrs	Startup – Investor meet and Valedictory session
13.00 -14.00 hrs	Lunch

EXHIBITION: 10:00 hrs - 17:00 hrs from 17th January 2024 to 20th January 2024

WOMEN SCIENTISTS AND ENTREPRENEURS CONCLAVE

18th January - 19th January 2024

Anandi G. Joshi Hall (11)

Programme Schedule

Day 1 (18 January 2024)

09:00-10:00 hrs	Registration
10:00-11:00 hrs	Inaugural Session Celebrating Women in Science and Entrepreneurship
11:00-11:30 hrs	Tea
Session 1 : “Navigating the Path: Challenges and Opportunities in Women Entrepreneurship”	
11:30-11:35 hrs	Chaired and welcome remarks by Dr. Alka Sharma, Scientist H, Department of Biotechnology, New Delhi
11:35-11:55 hrs	Keynote by Padma Shri Moirangthem Muktamani Devi, Entrepreneur, Founder, Mukta Shoes Industry, Manipur
11:55-12:15 hrs	Plenary talk by Dr. Rashi Gupta, Founder & Managing Director, Vision Mechatronics Private Ltd., Maharashtra
12:15-12:35 hrs	Plenary talk by Ms. Subi Chaturvedi, Global SVP, Chief Corporate Affairs & Public Policy Officer, InMobi, New Delhi
12:35-12:55 hrs	Plenary talk by Ms. Shalini Goyal Bhalla, MD, International Council for Circular Economy, New Delhi.
12:55-13:00 hrs	Vote of thanks by Dr. Chhama Awasthi, Scientist D, Department of Science and Technology, New Delhi
13:00-14:00 hrs	Lunch
Session 2 (Panel Discussion): “Role of Women in Sustainable Development and Climate Action”	
14:00-14:05 hrs	Chaired and welcome remarks by: Smt. Rachana Bhal, General Manager, National Thermal Power Corporation, New Delhi

14:05-14:25 hrs	<p>Panelist Ms. Razia Shaikh, Founder, Bastar Food Firm, Chhattisgarh</p> <p>Panelist Dr. Atya Kapley , Chief Scientist & Head, CSIR- National Environmental Engineering Research Institute, Maharashtra</p> <p>Panelist Ms. Smita Pandey Mishra, Founder & CEO, Fandoro Technologies Pvt. Ltd., New Delhi</p> <p>Panelist Dr. Shobha Shukla, Professor, Department of Metallurgical Engineering and Materials Sciences, Indian Institute of Technology, Bombay, Maharashtra</p> <p>Moderator Dr. Priyanka Paliwal, Associate Professor, Maulana Azad National Institute of Technology, Madhya Pradesh</p>
15:25-15:30 hrs	Vote of thanks by Dr. Ranjana Arya, Assistant Professor, JNU, New Delhi
15.30-16:00 hrs	Tea
Session 3: Special Session	
16:00-16:55 hrs	Planery talk by Padma Shri Janak Palta McGilligan, Founder & Director, Jimmy McGilligan Centre for Sustainable Development, Madhya Pradesh
16:55-17:00 hrs	Vote of thanks by Dr. Sakshi Tewari, Assistant Professor, J C Bose University of Science and Technology, YMCA, Haryana
Day 2 (19 Jan 2024)	
Session 1: “Breaking Barriers: Women Pioneers in STEM”	
09:30 - 09:35 hrs	Chaired and welcome remarks by Dr. Neelima Jerath, former Executive Director at Punjab State Council for Science & Technology, Punjab
09:35 - 09:55 hrs	Keynote by Dr. Nandini Harinath, Scientist G, Deputy Director, Spacecraft Operations Area, Indian Space Research Organization, Karnataka
09:55 - 10:15 hrs	Plenary talk by Dr. Martine Cador, Director, CNRS, France
10:15 - 10:35 hrs	Plenary talk by Dr. Sarita Ahlawat, Founder & Managing Director, BotLab Dynamics, New Delhi
10:35 - 10:55 hrs	Plenary talk by Dr. Rupa Vasudevan, Chancellor & Founder, Bharatiya Engineering Science and Technology Innovation University -BESTIU, Andhra Pradesh
10:55-11.00 hrs	Vote of thanks by Dr. Ranjana Arya, Assistant Professor, JNU, New Delhi
11:00-11:30 hrs	Tea

Session 2: (Panel Discussion): “Harmony and Health: Modern Lifestyles Rooted in Ancient Wisdom”

11:30-11:35 hrs	Chaired and welcome remarks by Dr. Tanuja M. Nesari, Director at All India Institute Of Ayurveda, New Delhi
11:35-12:55 hrs	<p>Panelist Dr. Rama Jayasundar, Professor, Department of NMR and MRI Facility, All India Institute of Medical Sciences (AIIMS), New Delhi</p> <p>Panelist Dr. Madhur Ray, Founder, Aesha Wellness, Uttar Pradesh</p> <p>Panelist Dr. Shashi Bala Singh, President, Mody University of Science and Technology, Rajasthan</p> <p>Moderator Dr. Uma Kumar, Professor, Department of Rheumatology, All India Institute of Medical Sciences (AIIMS), New Delhi</p>
12:55-13:00 hrs	Vote of thanks by Dr. Vartika Pant, Coordinator, WS&EC, National Innovation Foundation-India, Gujarat
13:00-14:00 hrs	Lunch

Session 3: “Career Opportunities and the Power of Networking”

14:00 - 14:05 hrs	Chaired and welcome remarks by Ms. Tanushree Bhowmik, India Partnership Coordinator, WePower, World Bank
14:05 - 14:55 hrs	Keynote by Dr. Nisha Mendiratta, Scientist G & Executive Director, Indo-U.S. Science and Technology Forum, New Delhi
14:25 - 14:40 hrs	Plenary talk by Dr. Van Chhorey Chief of Bureau of Information and General Affairs, Department of STI Policy, GDSTI, Ministry of Industry, Science, Technology & Innovation (MISTI), Government of Cambodia
14:40 - 14:55 hrs	Plenary talk by Dr. Tripta Thakur, Director General, National Power Training Institute, Haryana
14:55 - 15:10 hrs	Plenary talk by Dr. Geetha Vani Rayasam, Scientist H & Head, CSIR-Human Resource Development Group, New Delhi
15:10-15:25 hrs	Plenary talk by Ms. Michallea Louise Candelario, Project Development Officer, Assistant Secretary for International Cooperation, Department of Science and Technology (DOST), Government of Philippines
15:25-15:30 hrs	Vote of thanks by Ms. Prajna Ritaparna, Coordinator, WS&EC, National Innovation Foundation-India, Gujarat
15:30-16:00 hrs	Tea
16:00-17:00 hrs	Valedictory Ceremony

INDIA INTERNATIONAL COLLABORATION

17th January - 20th January 2024

Programme Schedule

Day 1 (17 January 2024)		
Time	Programme	Venue
08.00	Registration and Networking Breakfast	Pride Plaza, Aerocity, New Delhi
10:30 - 13:00 hrs	Inauguration of IISF 2023	THSTI, Faridabad
13:00 - 14:30 hrs	Lunch	
14:30 - 16:00 hrs	Introductory Session: Chair: Dr. P S Goel Co Chair: Prof Kenneth Matengu Welcome and Brief about IISF by Dr. Vipin Kumar (4 Min) Introduction by participants Address by Chair Discussion by participants Summing up by Co Chair	
16:00 - 16:30 hrs	Tea	
16:30 - 19:30 hrs	Meeting with Indian Leadership: Welcome by Dr. P S Goel Interaction with Hon'ble Minister of State, Science and Technology, Govt of India; State S&T Ministers and Secretaries, Govt of India Brief on future collaboration by Dr. Dhananjay Tiwary (04 min) Vote of thanks by Dr. Arvind Ranade (03 Min)	
19:30 hrs	Dinner	

Day 2 (18 January 2024)

10:00 - 11:00 hrs	<p>Round Table on “Science, Technology and Innovations: Learning from oversees”</p> <p>Chair: H.E, Madam Ruziah Binti Shafei, Malaysia</p> <p>Co Chair: Dr. Dhananjay Tiwary, India</p> <p>Welcome and Introductory remark by Chair</p> <p>Panellist:</p> <ol style="list-style-type: none"> 1. Mr. Marc Prensky, USA 2. Prof Kenneth Matengu, Namibia 3. H.E. Seingheng HUL, Cambodia 4. Dr. Rodolfo J Calzado, Philippines 5. Dr. Idah Sithole Niang, Zimbabwe 6. Mr. Vardan Gevorgyan, Armenia 7. Dr Mariela Agolti, Argentina 8. Ms. Theresia Ningsi Astuti, Indonesia 	THSTI, Faridabad
11:00 - 11:30 hrs	Tea	
11:30 - 13:00 hrs	<p>Round Table Session Continued..</p> <p>Panellists:</p> <ol style="list-style-type: none"> 9. Dr. Surachai Sathitkunarat, Thailand 10. Dr. Phyu Phyu Win, Myanmar 11. Dr. Le Thai Phong, Vietnam 12. Dr. Martine Cador, France 13. Dr. Isaac Njuguna Kimengi, Kenya <p>Open Discussion</p> <p>Summing up by Co Chair</p>	THSTI, Faridabad
13:00 - 14:00 hrs	Lunch	
14:00 - 17:00 hrs	Lectures of International delegates in different sessions	
19.30 hrs	Cultural programme and Dinner	

Day 3 (19 January 2024)

Time	Programme	Venue
09:00 - 13:00 hrs	Lectures of International delegates in different sessions	THSTI, Faridabad
13:00 - 14:00 hrs	Lunch	
14.00 - 15:30 hrs	Round table on “India International collaboration opportunities” Chair: Dr. Gulshan Rai Co Chair: Shri Dhanendra Kumar Welcome and Introductory remark by Chair Keynote by Prof. Nagata Kyosuke, Japan Panellist: 1. Dr. Y K Gupta, India 2. Mr. John Boitte C Santos, Philippines 3. Dr. Simon Doe, Australia 4. Dr. Ohneda Osamu, Japan 5. Mr. Nyiringango Pasacl, Rwanda 6. Dr. Kiengkay Ounmany, Lao PDR 7. Prof Mary Kinoti Wanjiru, Kenya 8. Prof Kailash Nath Sriram, Australia 9. Prof Philippe Barthelemy, France 10. Dr. Anil Mishra, India 11. Dr. Shrishendu Mukherjee, India 12. Dr. Lokendra Singh, India	
15.30 - 15:55 hrs	Tea	
15.55 - 17:00 hrs	Round Table Session Continued.. 13. Dr. E Prabhu, India 14. Dr. Robinson Shenoy, India 15. Prof Dieter Trau, Thailand 16. Ms Sabrina Ho, Singapore 17. Dr. Vijay Sharma, India 18. Prof Amit Dinda Discussion Summing up by Co Chair	
19.30 hrs	Dinner	

Day 4 (20 January 2024)

09:00 hrs	Exhibition visit	THSTI, Faridabad
13:00 - 14:00 hrs	Lunch	
14:00 - 16:00 hrs	Networking and interaction of international delegates with Indian students, scientists, startups (open meeting)	
16:00 hrs	Valedictory Session	

CULTURAL PROGRAMME

17th January - 19th January 2024

A.P.J. Abdul Kalam Hall (1)

Programme Schedule

Day 1 (17 Jan 2024)	
18:30 – 18:45 hrs	Act 1: Ganesh Vandana By – Sadhya Dance Group
18:45 – 19:10 hrs	Act 2: Vibrant India By - Sadhya Dance Group
19:10 – 19:30 hrs	Act 3: Musical Performance By – A Classical Fusion Band- ‘Pakshee’
Day 2 (18 Jan 2024)	
18:30 – 18:45 hrs	Act 1: Saraswati Vandana By – Pandit Bhimsen Joshi Dance Academy
18:45 – 19:10 hrs	Act 2: Bharat Nritya Darpan By – Pandit Bhimsen Joshi Dance Academy
19:10 – 19:30 hrs	Act 3: Musical Performance By – Band- ‘Aniruth Verma Collective
Day 3 (19 Jan 2024)	
18:30 – 18:45 hrs	Act 1: Shiv Tandav Stotram By – Delhi Dance Academy
18:45 – 19:10 hrs	Act 2: Jyotivdya By – Delhi Dance Academy
19:10 – 19:30 hrs	Act 3: Musical Performance By – Violinist – ‘Sunita Bhuyan’

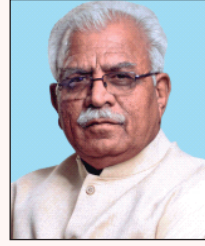
CHIEF PATRON



Sh. Kiren Rijiju
Union Cabinet Minister, MoES
Chief Patron

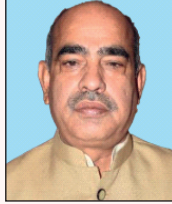


Dr. Jitendra Singh
Minister of State (I/C), MoS & T
Chief Patron

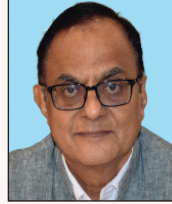


Sh. Manohar Lal Khattar
Chief Minister, Haryana
Chief Patron

PATRON



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



Prof. Ajay Kumar Sood,
Principal Scientific Advisor to Govt. of India
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NIF- India
Member

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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)

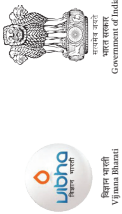
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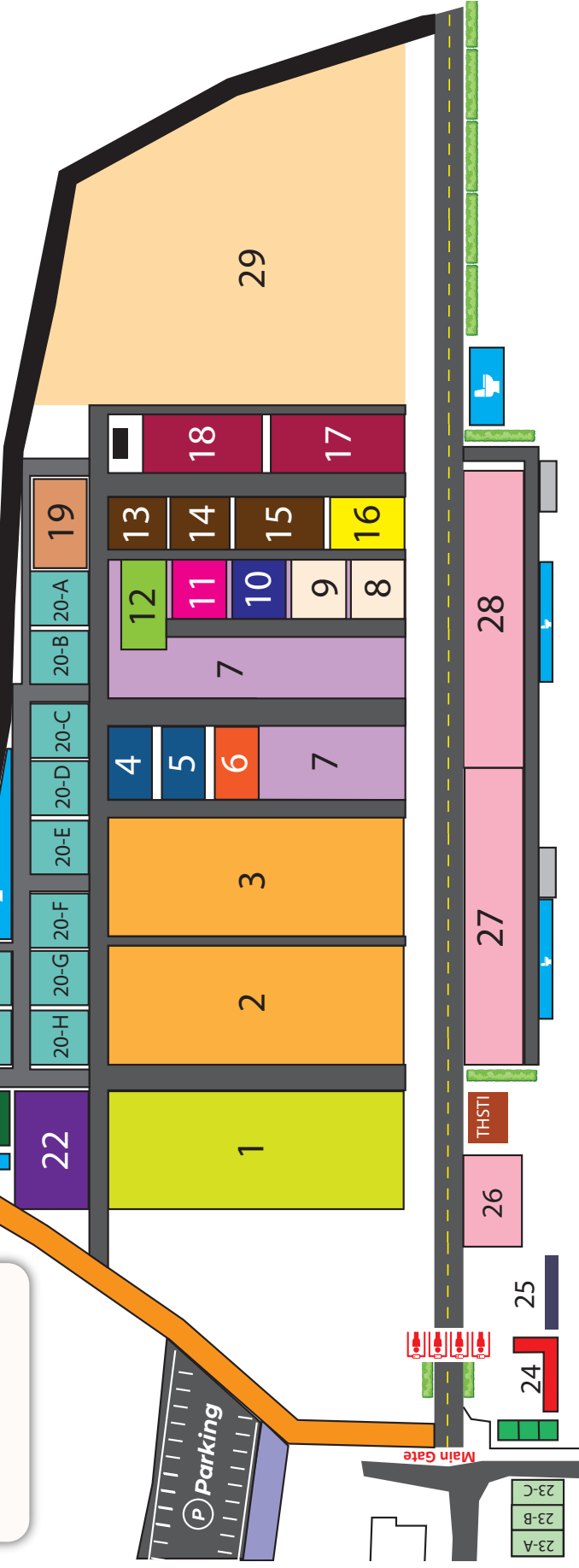


INDIA INTERNATIONAL SCIENCE FESTIVAL 2023
17 to 20 January 2024
DBT IISF-KCB Campus
NCR Biotech Science Cluster, Faridabad, Haryana

Organised by



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HALL NO.	HALL NAME	EVENT NAME	HALL NO.	HALL NAME	EVENT NAME	HALL NO.	HALL NAME	EVENT NAME
1	A.P.J. Abdul Kalam	Inaugural Hall	20-F	Har Gobind Khorana	Science Village	26	Coluthur Gopalan	ST&I Exhibition Food Court
2	Shanti Swarup Bhatnagar	Exhibition Hall-1	20-G	M. S. Swaminathan	Science Village	27	K. T. Acharya	Delegate Dining
3	Pratulla Chandra Ray	Exhibition Hall-2	20-H	Govind Swarup	Science Village	28	Verghese Kurien	Student Food Court
4	Mahendra Lal Sarker	NSOIM	20-I	E. C. George Sudesthan	Science Village- Store	29	P. R. Pisharoty	IISF Challenge
5	M. Visvesvaraya	NSOIM	20-J	P. C. Vaiciya	Science Village- Lounge			Public Toilets
6	Jamsetji N. Tata	Start Up Meet	21	D. S. Kothari	Media Center			VIP road
7	G. N. Ramachandran	Exhibition Stalls	22	Janki Ammal	VIP Dining			Main Road
8	Madan Mohan Malaviya	Vigyanika	23-A	M. K. Bhan	YSC			Friking
9	Swami Vivekananda	Vigyanika	23-B	Satyendra Nath Bose	YSC			Server room
10	V. M. Ghatge	New Age Tech Show	23-C	Radhanath Sikdar	YSC			Ancillary Services
11	Anand G. Joshi	Women Scientist	24	Obaid Siddiqi	Registration Desk			
12	Pramatha Nath Bose	Sci. through Games & Toys	25	Khem Shahani	Paid Food Court			
13	S. Radhakrishnan	NSTW	27					
14	Venkatesh Bapuji Kelkar	NSTW	28					
15	Ruchi Ram Sahni	NSTW	29					
16	Kamala Sohonie	VIP Waiting Hall						
17	S. Chandrasekhar	SIF- Space Hackathon						
18	Meghnad Saha	SIF- Space Hackathon						
19	Asima Chatterjee	S&T Media Conclave						
20-A	J. C. Basu	Science Village						
20-B	S. Ramanujan	Science Village						
20-C	C. V. Raman	Science Village						
20-D	Homi J. Bhabha	Science Village						
20-E	Vikram Sarabhai	Science Village						

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Translational Health Science and Technology Institute

Coordination & Implementation



National Innovation Foundation-India

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Venue



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TRANSLATIONAL HEALTH SCIENCE
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