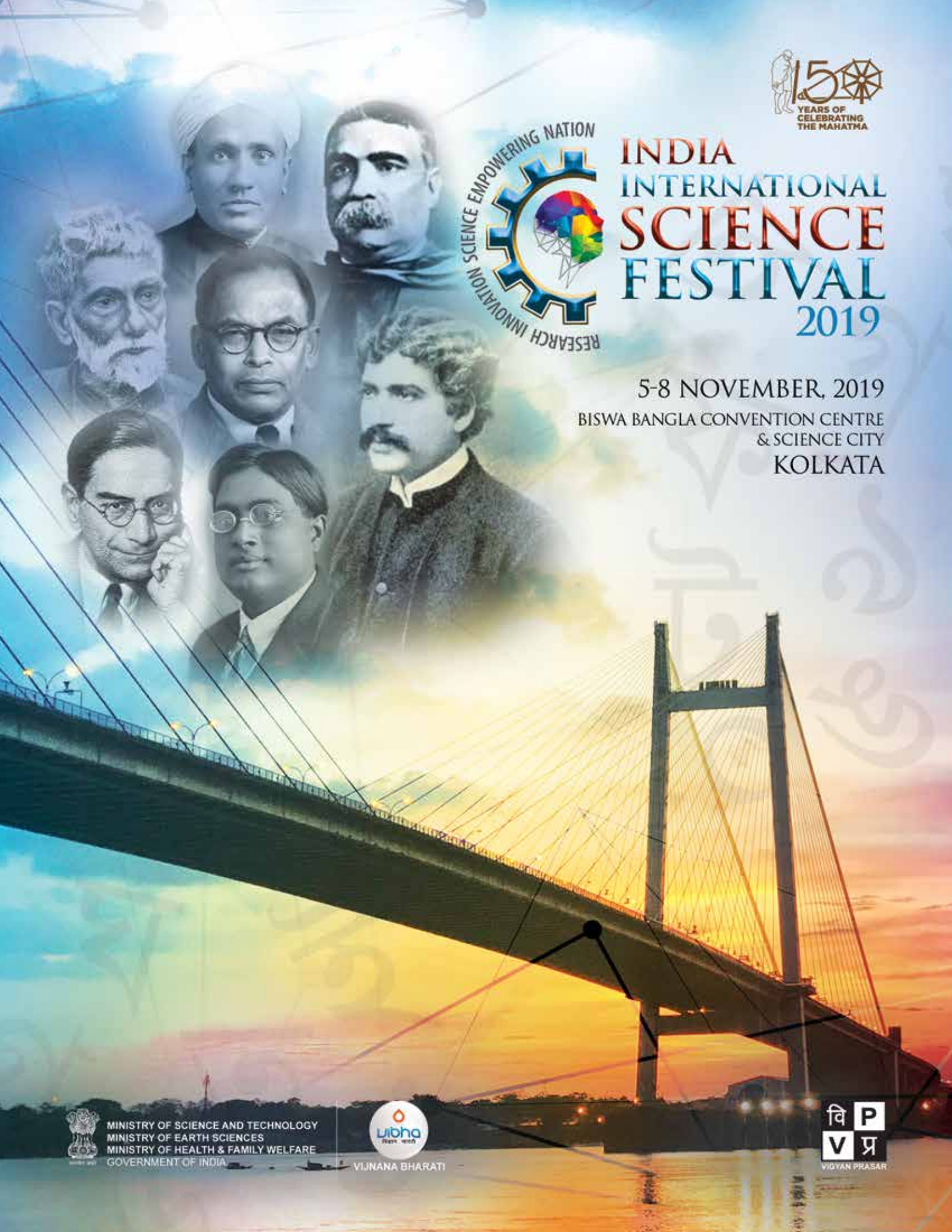




INDIA INTERNATIONAL SCIENCE FESTIVAL 2019

5-8 NOVEMBER, 2019

BISWA BANGLA CONVENTION CENTRE
& SCIENCE CITY
KOLKATA



MINISTRY OF SCIENCE AND TECHNOLOGY
MINISTRY OF EARTH SCIENCES
MINISTRY OF HEALTH & FAMILY WELFARE
GOVERNMENT OF INDIA



VIJANA BHARATI



VIJAN PRASAR



DR M RAJEEVAN

Secretary, Ministry of Earth Sciences

A nation's development and prosperity is judged to a large extent by the status of science and technology of that nation. The India International Science Festival (IISF) aims to strengthen and integrate the scientific knowledge in accordance with the changing conditions. It also aims to promote to build scientific temper among the masses and the young children.

PROF SHEKHAR C MANDE

Secretary, DSIR & Director General, CSIR

The relationship between Science and Society has always led to the development of new frontiers of growth both scientifically and economically. India International Science Festival (IISF) over the years has established itself as a unique platform for connecting science, technology & innovation with the masses – be they students, entrepreneurs, teachers or the general public.



DR RENU SWAROOP

Secretary, Department of Bio-Technology

To strengthen nation and to achieve inclusive and sustainable growth in the coming decades, it is very important to translate the scientific knowledge into innovations through start-ups and industry. This goal can be achieved through developing scientific temper among the masses and by strengthening science and technology institutions & furthering their basic research.

PROF BALRAM BHARGAVA

Secretary, DHR & Director General, ICMR

India International Science Festival (IISF) has emerged as a unique platform to celebrate the achievements of science and technology for national development. With the grand success of IISF from 2015 till 2018, we are now looking forward to scintillating success of IISF 2019 in the historic city of Kolkata.



DR VIJAY P BHATKAR

President, Vijnana Bharati

The achievements in science and technology at national level are being celebrated through “India International Science Festival (IISF)” since 2015. IISF is a unique platform where the joy of scientific activities has been observed. With the grand success of last four IISF since 2015, we are looking forward to scintillating success of IISF 2019 in Kolkata.

डॉ. हर्ष वर्धन
DR. HARSH VARDHAN



मंत्री
विज्ञान और प्रौद्योगिकी एवं पृथ्वी विज्ञान
भारत सरकार
नई दिल्ली - 110001
MINISTER
SCIENCE & TECHNOLOGY AND EARTH SCIENCES
GOVERNMENT OF INDIA
NEW DELHI - 110001

MESSAGE

India has been enriched over the ages by great thinkers who have always taken an integrated view of life as a fusion of mind, body and intellect. India has also been a land of knowledge-seekers. In recent years, India has successfully made transition from a traditional economy to a knowledge economy. By 2030, India aims to be one of the world's leading nations in S&T and also one of the world's three largest economies. The economic and scientific growth that we are aspiring for, needs to be sustainable and inclusive.

India is facing various challenges in the key sectors of clean air and water, food, environment, climate, security and healthcare. It is important to translate the scientific knowledge into innovations so as to build a strategy for rural India. Only this will facilitate India to achieve inclusive and sustainable growth in the coming decades.

Ever since its inception in 2015, the India International Science Festival (IISF) has been providing an encouraging platform for scientists, technocrats, young students and others from across India and abroad for exchange of knowledge and ideas. The grand success of the past four IISFs stand testimony to this fact. The IISF is an integral part of India's long term vision in developing and widening the spectrum of scientific temper for sustainable development and new technological innovations in India and abroad. IISF-2019 aims to take the legacy of the festival forward and also to play its role in making India a leading S&T nation.

I appreciate the collaborative efforts of the Ministries of Science & Technology and Earth Sciences and the Department of Health Research together with Vijnana Bharati in ongoing the 5th edition of IISF.

I invite IIT Kharagpur, Jadhavpur University and all other academic as well as R&D institutions in Kolkata to participate in organizing IISF-2019 for making it a historic event.

I extend a very warm welcome to all dignitaries from India and abroad and request you to make this event a grand success.


(Dr. Harsh Vardhan)

WHO CAN PARTICIPATE?

Students, educators, scientists and researchers naturally constitute the main target population of the Festival Programmes. It also tries to reach the target population through ambassadors and promoters.

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

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

HOW DO THEY BENEFIT?

The Theme “Research Innovation Science Empowering Nation” aims to provide a platform to young students, scientists and technocrats from across India for exchange of knowledge & ideas in the line of flagship programmes like ‘Swachh Bharat Abhiyan’, ‘Swasth Bharat Abhiyan’, ‘Make in India’, ‘Digital India’, ‘Smart Villages’, ‘Smart Cities’, ‘Namami Gange’, ‘Unnat Bharat Abhiyan’, 17 UN’s Sustainable Development Goals etc. It emphasises on the role of science for masses and science for society.

By participating, you can influence the quality and direction of the standards of your chosen field. You shall reap personal and professional rewards.



प्रो. आशुतोष शर्मा
Prof. Ashutosh Sharma



सत्यमेव जयते



सचिव
भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
विज्ञान और प्रौद्योगिकी विभाग
Secretary
Government of India
Ministry of Science and Technology
Department of Science and Technology

MESSAGE

I am happy to announce that the Fifth India International Science Festival will be held during 5-8 November 2019 at Kolkata under the joint patronage of Ministry of Science & Technology, Ministry of Earth Sciences and Department of Health Research in association with Vijnana Bharati (VIBHA). This year, Department of Science & Technology is coordinating the event.

The India International Science Festival aims to generate curiosity and scientific temper amongst general public and ignite the minds of the students and youth through the means of expos, exhibitions, publishing of popular scientific literature, science film festival, etc. The Festival also provides a platform for bringing together scientific-minded people from different walks of life, and pave the way for fruitful exchange of ideas through conferences, meets and conclaves.

The world in general, and India in particular, are facing challenges in the key sectors of clean air and water, food, environment, climate, security and healthcare. It is important to translate available scientific knowledge into innovations so as to provide solutions in these areas. I expect that the meeting of scientific minds during the Festival will throw up simple and sustainable answers to overcome them.

I extend a very warm welcome to one and all from India and abroad. Your participation will make this event a grand success.


With best wishes,

(Ashutosh Sharma)

MISSION STATEMENT

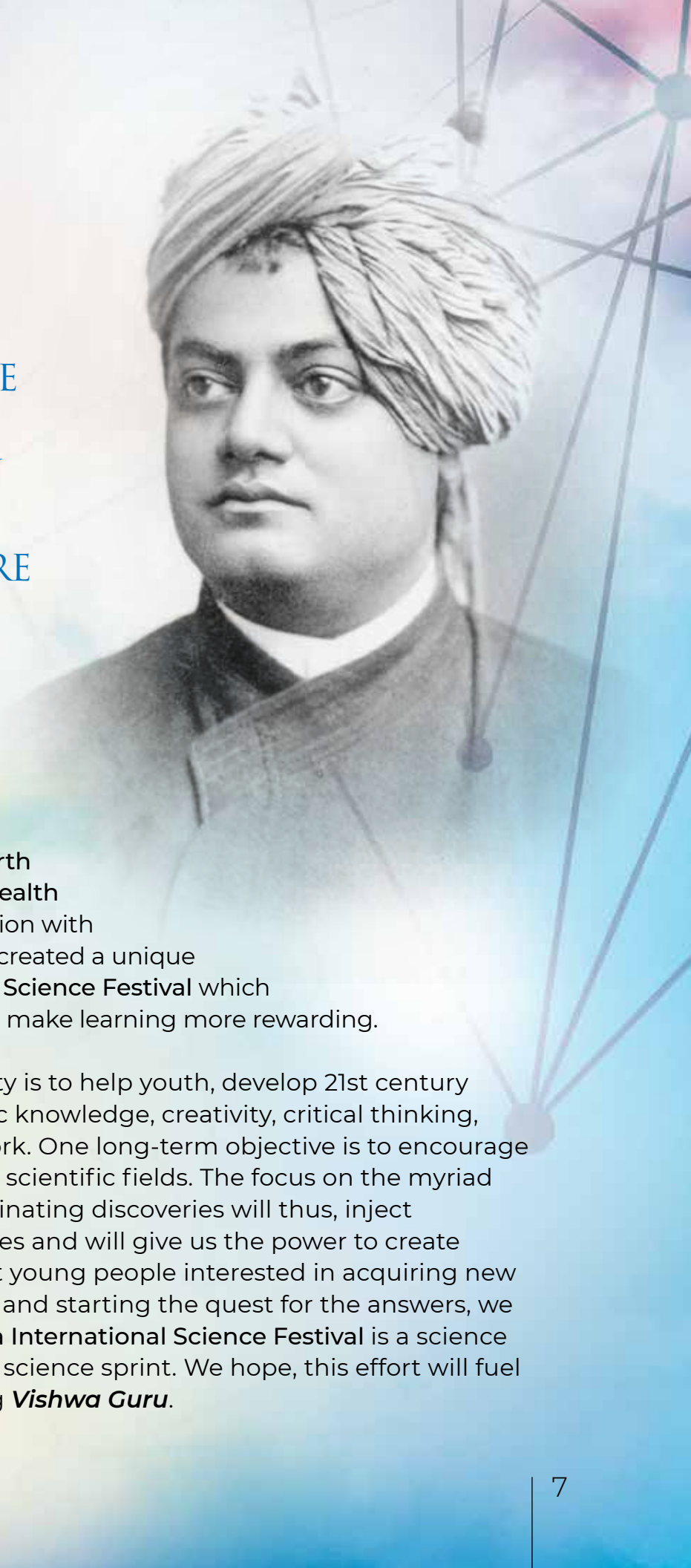
Science festivals are vibrant expression of the cultural importance of science and technology of a nation. It gives scientists, inventors and researchers a chance to interact closely with students and citizens from all walks of life. Science festivals offer many different forms of engagement such as, lectures, dialogues, panel discussions and debates; through handson demonstrations, shows, exhibitions, and workshops; in form of science-related theatre, cafes, music, and stand-up comedy. The goal of the science festivals is to engage citizens with science in ways that are inspirational and empowering. Science festivals are the inspiring celebrations of the fascinating world of science and technology.

India International Science Festival (IISF) launched in 2015 is a celebration to promote Science and Technology and demonstrate how science could lead India towards a developed nation within a short span of time. The aim is to engage public with science and celebrate the joy of science. It shows how **Science, Technology, Engineering and Mathematics (STEM)** provide us with the solutions to improve our lives.

A black and white portrait of Sir CV Raman, an Indian physicist, wearing a white turban and a dark jacket. The portrait is positioned on the left side of the page, partially overlapping the text.

**WE MUST TEACH
SCIENCE IN THE MOTHER
TONGUE. OTHERWISE,
SCIENCE WILL BECOME
A Highbrow Activity.
IT WILL NOT BE AN
ACTIVITY IN WHICH ALL
PEOPLE CAN PARTICIPATE.**

SIR CV RAMAN
1888-1970

A black and white portrait of Swami Vivekananda, a prominent Indian Hindu monk, is positioned on the right side of the page. He is wearing a traditional turban and a dark, high-collared jacket. The background of the entire page is a light blue gradient with a network of thin, dark lines connecting various points, resembling a globe or a digital network. The text is overlaid on the left side of the page.

IF EDUCATION IS
IDENTICAL WITH
INFORMATION, THE
LIBRARIES ARE THE
GREATEST SAGES IN
THE WORLD, AND
ENCYCLOPEDIAS ARE
THE RISHIS.

SWAMI VIVEKANANDA
1863-1902

The Ministry of Science and Technology, the Ministry of Earth Sciences and the Ministry of Health and Family Welfare in association with Vijnana Bharati (VIBHA), have created a unique platform of **India International Science Festival** which intends to inspire curiosity and make learning more rewarding.

The goal of the science festivity is to help youth, develop 21st century skills, with a focus on scientific knowledge, creativity, critical thinking, problem-solving, and teamwork. One long-term objective is to encourage students to study and work in scientific fields. The focus on the myriad faces behind some of the fascinating discoveries will thus, inject scientific attitude in the masses and will give us the power to create new possibilities. Once we get young people interested in acquiring new knowledge, asking questions, and starting the quest for the answers, we will accomplish our goal. **India International Science Festival** is a science outreach marathon and not a science sprint. We hope, this effort will fuel India's drive toward becoming **Vishwa Guru**.

BACKGROUND & GLIMPSES

The previous editions of India International Science Festival (IISF) have been a great success.

The first edition of IISF was held during 4-8 December, 2015 at the Indian Institute of Technology, New Delhi. Ministry of Science and Technology, Ministry of Earth Sciences and Vijnana Bharati collectively organized it with Department of Science and Technology as the nodal organisers and TIFAC as the coordinating department.

The second edition of IISF was held at CSIR-NPL, New Delhi during 7-11 December 2016. Ministry of Science and Technology, Ministry of Earth Sciences and Vijnana Bharati jointly organized the event along with CSIR as the nodal organisations and National Physical Laboratory (NPL) acted as coordinating department for the edition.





The third edition of IISF was held between 13-16 October 2017 at the Indian Institute of Technology, Madras and Anna University, Chennai. The event was a collective effort of Ministry of Science and Technology, Ministry of Earth Sciences and Vijnana Bharati. Coordinated by MOES, National Institute of Oceanography.

The fourth edition of IISF was held from 5-8 October, 2018 at Indira Gandhi Pratishthan, Lucknow. It was organized by Ministry of Science and Technology, Ministry of Earth Sciences in association with Vijnana Bharati. It was coordinated by Department of Biotechnology (DBT), and the nodal agency was National Institute of Immunology (NII).

IISF 2019 PROGRAMMES AT A GLANCE

THE PURPOSE
OF A SCIENTIFIC
INSTITUTION
IS TO GIVE A
STRONGER
IMPULSE
AND A MORE
SYSTEMATIC
DIRECTION
TO SCIENTIFIC
ENQUIRY.

SIR ASHUTOSH
MUKHERJEE

Global Indian Scientists & Technocrats Meet

An eminent group of Indian Scientists & Technocrats' diaspora would be invited to have brainstorming sessions on "Disruptive technologies and opportunities of artificial intelligence and its applications." during IISF 2019. This will provide them opportunity to connect more with Indian Science and thus, contribute in India's growth through philanthropy, knowledge of exchange etc.

DATE: 6 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 2

COORDINATING AGENCIES: DST, Bose Institute & Vijnana Bharati

COORDINATORS

SK Varshney DST 011 26961912	Sulakshana Jain DST 98736 01904	Gautam Basu Bose Institute 87000 04697	Sanjay Ghosh Bose Institute 98312 96681
YK Gupta Vijnana Bharati 98688 68457	Rajnish Chaturvedi Vijnana Bharati 94504 18445		

Email: gist@scienceindiafest.org

Young Scientists' Conference (YSC)

YSC are for the scientists and innovators below the age of 45 years. They should belong to Universities, Institutes and R&D Labs. It makes the young scientists aware about Government's policies and success stories such as Swachh Bharat, Make in India, Digital India etc. YSC is an opportunity for young scientists, scholars and faculties to showcase their scientific contributions and innovations for the benefit of masses.

DATE: 5-6 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 1, 3 & 4

COORDINATING AGENCIES: IACS & Vijnana Bharati

COORDINATORS

Ayan Datta IACS 98742 95938	Jajati K Nayak Vijnana Bharati 75969 98193
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Email: ysc@scienceindiafest.org

Students Science Village (SSV)

Hon'ble Members of the Parliament will nominate students and teachers from their respective adopted villages under Pradhan Mantri Sansad Adarsh Gram Yojana. Activities such as scientist-student interaction, hands-on experiments, visit to labs and S&T Expo, popular talks etc. will make the event more vibrant. It will provide innovative solutions to the diverse challenges that our society faces today, particularly in rural India.

DATE: 5-8 November, 2019

VENUE: Science City

COORDINATING AGENCIES: CSIR-CGCRI & Vijnana Bharati

COORDINATORS

Sitendu Mondal CSIR-CGCRI 98305 87856	BB Jha CSIR-CGCRI 94326 73626	Pradip Tarafdar Vijnana Bharati 97485 30552	S Sudhakar Vijnana Bharati 73974 79860
--	--	--	---

Email: student@scienceindiafest.org

Women Scientists & Entrepreneurs Conclave

This Conclave aims to encourage science education and entrepreneurship among women. It also inculcates scientific and technological temperament among women. The conclave motivates women to become the players of science, technology and innovation.

DATE: 7-8 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 7

COORDINATING AGENCIES: Vigyan Prasar, CSIR-NISTADS, CSIR-IICB & Vijnana Bharati

COORDINATORS

Kinkini Misra	Snehasikta Swranakar	Sucheta Tripathi	Kasturi Mandal
Vigyan Prasar	CSIR-IICB	CSIR-IICB	CSIR-NISTADS
98109 41887	98314 99093	98309 99740	93132 45343

Ranjana Agrawal	Shiny Suresh
Vijnana Bharati	Vijnana Bharati
98967 40740	96542 56770

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National Science Teachers Congress (NSTC)

NSTC brings many passionate teachers on a single platform to showcase their innovative methods of science teaching. This programme also emphasizes the learning of Science, Technology, Engineering and Mathematics (STEM) for nation building. NSTC inspires future policy-making process and educational reforms.

DATE: 7-8 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 6

COORDINATING AGENCIES: Vigyan Prasar, IACS & Vijnana Bharati

COORDINATORS

Arvind C Ranade	Prashant Singh	Prasenjit Sen	C Malla Reddy
Vigyan Prasar	IACS	IACS	Vijnana Bharati
98714 39594	88209 52191	89812 44884	99303 70458

Manoj Sawaiakar
Vijnana Bharati
94044 54324

Email: nstc@scienceindiafest.org

National Social Organisations & Institutions Meet

In order to engage the science-oriented organisations & institutions, especially grassroots voluntary developmental organizations, in nation building through the intervention of science and technology, a three-day national summit would be conducted. The program aims to deliberate on innovative ideas and technologies, methodologies and products developed by R&D institutions that are beneficial for the masses.

DATE: 6-8 November, 2019

VENUE: Science City, Mini Auditorium

COORDINATING AGENCIES: DST, CSIR-CGCRI & Vijnana Bharati

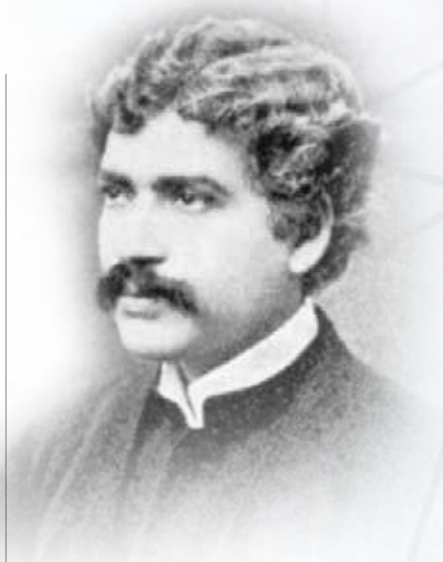
COORDINATORS

Sunil Agarwal	HS Tripathi	BB Jha	NP Rajive
DST	CSIR-CGCRI	CSIR-CGCRI	Vijnana Bharati
99996 89732	94334 57546	94326 73626	90203 36500

Sadananda Chakrabarty

Vijnana Bharati
70442 21898

Email: nsoim@scienceindiafest.org



THE TRUE
LABORATORY
IS THE MIND,
WHERE BEHIND
ILLUSIONS WE
UNCOVER THE
LAWS OF TRUTH.

ACHARYA
JAGADISH
CHANDRA BOSE

IISF 2019 PROGRAMMES AT A GLANCE

SCIENCE AND
TECHNOLOGY
ARE AS
IMPORTANT FOR
ADMINISTRATION
NOW-A-DAYS AS
LAW AND ORDER.
MEGHNAD SAHA



International Science Literature Festival – “VIGYANIKA”

Vigyan Manthan (Lectures & Discussions), Vigyan Spandan (Sciencetoon/Storytelling/Extempore), Vigyan Manchan (Vigyan Kavi Sammelan, Science Drama, Folk Art), Vigyan Prakashan (Book Fair, Book Release, Meet the author) will be the major attractions of Vigyanika.

DATE: 5-7 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 5

COORDINATING AGENCIES: Vigyan Prasar, CSIR-NISCAIR, Bose Institute, SRFTI & Vijnana Bharati

COORDINATORS

Kapil Tripathi Vigyan Prasar 98180 11474	HJ Khan CSIR-NISCAIR 98714 34447	Pallab Banerjee Vijnana Bharati 94347 22493	Ratnesh Pandey Vijnana Bharati 98312 84325
Gaurav Gangopadhyay Bose Institute 98027 81646	Hitesh Liya SRFTI 91677 69039		

Email: vigyanika@scienceindiafest.org

International Science Film Festival of India (ISFFI)

ISFFI promotes science popularization among citizens and attracts talented young science filmmakers and enthusiasts. The aim is to showcase the S&T contributions of India. It has the largest potential to attract students and layman towards science with the cinematic creativity and experience. In addition to films, workshops, interactions with filmmakers are other major attractions of this festival.

DATE: 6-8 November, 2019

VENUE: SRFTI Campus

COORDINATING AGENCIES: Vigyan Prasar, SRFTI & Vijnana Bharati

COORDINATORS

Nimish Kapoor Vigyan Prasar 98102 15648	Shobhna Chaudhary NISCAIR 93514 96965	Saugata Bhattacharyya SRFTI 98305 30596	Abhay Bhamaiakar Vijnana Bharati 99237 95140
Debasish Iyer Vijnana Bharati 98300 70911			

Email: filmfestival@scienceindiafest.org

Industry Academia Conclave

Efficient interaction between Industries, Institutions and R&D Labs has been the backbone of technological growth in advanced countries. Despite producing qualified S&T manpower, India still requires thrust in tech applications. Industry Academy R&D Lab (IARL) will address these issues and bring industry leaders, MSMEs, academicians, R&D labs & incubation centres together.

DATE: 5-6 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 6

COORDINATING AGENCIES: IACS & Vijnana Bharati

COORDINATORS

Deepak Sinha IACS 89024 77366	Sunil Bhat Vijnana Bharati 90498 00298	Mithlesh Tiwari Vijnana Bharati 90497 02999
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Email: iac@scienceindiafest.org

National Start-up Conclave & Expo

This Conclave aims to provide a common platform for various stakeholders from policymakers to innovators, students and researchers. About 100 innovative and socially relevant technologies from all states of the country will be showcased in the exhibition. Seminars and round-table discussions on innovations, incubation and entrepreneurship will also be organized during this Conclave.

DATE: 6-7 November, 2019

VENUE: Science City, S18 A&B

COORDINATING AGENCIES: CSIR-IICB, ISBA & Vijnana Bharati

COORDINATORS

Arindam Talukdar	SN Bhattacharya	Anil Kothari	Sameer Vohra
CSIR-IICB	CSIR-IICB	Vijnana Bharati	Vijnana Bharati
90516 46141	98316 33460	94251 48662	94191 97672
K Suresh Kumar	Mrutunjay Suar		
ISBA	ISBA		
99524 27232	70080 99439		

Email: nsuc@scienceindiafest.org

State S&T Ministers Conclave (SSTMC)

SSTMC will be organized to harness the views of S&T Ministers of all States & Union Territories. This will provide an opportunity to S&T Ministers of all States & Union Territories to interact with each other and stakeholders. This forum will synergize S&T policy interventions to address state specific issues, national priorities and Sustainable Development Goals (SDGs).

DATE: 6 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 4

COORDINATING AGENCIES: DST, Bose Institute & Vijnana Bharati

COORDINATORS

Debapriya Dutta	NP Shukla	PK Verma
DST	Vijnana Bharati	Vijnana Bharati
81305 45765	94244 10811	98260 13067

Email: sstmc@scienceindiafest.org

Overseas Ministers & Diplomats Conclave

Global challenges can be addressed and solved collectively through the application of science and technology. By leveraging collaborations with India's key partner countries, this Conclave will provide us an opportunity to exchange the science policies imparitive to each others' country, specially for addressing unmet societal needs through application of STI.

DATE: 5 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 2

COORDINATING AGENCIES: DST, Bose Institute & Vijnana Bharati

COORDINATORS

SK Varshney	Somshubhro Bandyopadhyay	Kaushik Biswas	Ajit Bikram Datta
DST	Bose Institute	Bose Institute	Bose Institute
011 26961912	90513 74195	90071 91031	89618 36341
Rupesh Chaturvedi			
Vijnana Bharati			
99710 18697			

Email: OMDC@scienceindiafest.org



NEVER ACCEPT
AN IDEA AS
LONG AS YOU,
YOURSELF, ARE
NOT SATISFIED
WITH ITS
CONSISTENCY
AND LOGICAL
STRUCTURE ON
WHICH THE
CONCEPTS ARE
BASED.

SATYANDRA
NATH BOSE

IISF 2019 PROGRAMMES AT A GLANCE



I DREAMT A
DREAM THAT,
GOD WILLING,
A TIME WOULD
COME WHEN
INDIA TOO
WOULD
CONTRIBUTE TO
THE WORLD'S
STOCK OF
KNOWLEDGE.

ACHARYA PRAFULLA
CHANDRA RAY

Traditional Crafts and Artisan Meet & Expo

A National level meet of Artisans and Craftsmen along with Handicrafts and Handlooms Expo will be the special attraction of IISF 2019. The program will be a conglomeration of artisans and craftsman from across the country showcasing their skills and work. Around 300 craftsmen and artisans shall be invited to display their fascinating ingenuity along with some unique eco-friendly sustainable products.

DATE: 5-7 November, 2019

VENUE: Science City

COORDINATING AGENCIES: NCSM & Vijnana Bharati

COORDINATORS

Samarendra Kumar	Rajeev Singh	Anu Singh
NCSM	Vijnana Bharati	Vijnana Bharati
96740 04704	93112 25501	97175 19898

Email: traditional@scienceindiafest.org

Face-to-Face with New Frontiers in Science

Interaction among researchers is a key to scientific knowledge. "Face to Face with New Frontiers in Science" is an initiation of cordial interaction and short discussion-based sessions of students/researchers with excellence in various disciplines of S&T. This will certainly inspire students to pursue scientific study and research as his/her career.

DATE: 5-7 November, 2019

VENUE: Science City, Main Auditorium

COORDINATING AGENCIES: CSIR-IICB & Vijnana Bharati

COORDINATORS

Sibsankar Roy	Krishnanda Chattopadhyay	Apala Chakraborty
CSIR-IICB	CSIR-IICB	Vijnana Bharati
94334 14568	99030 46826	94334 14568

Padmaja Prasad Misra

Vijnana Bharati
84204 25144

Email: facetoface@scienceindiafest.org

Students' Engineering Model Competition

Engineering turns science to a tangible artefact which is useful to make human life safe and convenient. The expo will demonstrate some modern engineering models, germinated by the bright young minds, which have societal impact. This expo ignites engineering acumen among children as well as gives an opportunity to students and innovators to showcase their talents.

DATE: 6-7 November, 2019

VENUE: IICB-Salt Lake Campus

COORDINATING AGENCIES: NIT-Durgapur, CSIR-IICB, DST & Vijnana Bharati

COORDINATORS

Indu Bhusan Deb	Rupak Bhadra	Hirok Chaudhari	Meghendra Sharma
CSIR-IICB	CSIR-IICB	NIT-Durgapur	Vijnana Bharati
98362 97770	92316 25622	94347 89019	98290 21975

Hemendra Pandey

Vijnana Bharati
94322 98357

Email: engineering@scienceindiafest.org

North-East Students' Conclave

During IISF 2019, a special exposure will be given to selected students of India's North-East States. They will also get the opportunity to interact with eminent Indian scientists. This programme will boost their scientific temperament and help them become not only the future scientific leaders of India but also motivate scientific disposition among local students.

DATE: 7-8 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 3

COORDINATING AGENCIES: Vigyan Prasar, SN Bose National Centre for Basic Sciences & Vijnana Bharati

COORDINATORS

Sachin Narwadiya	Soumen Adhikari	Rajib Sarma	Krishna Kumar
Vigyan Prasar	SN Bose	Vijnana Bharati	Vijnana Bharati
78273 38158	94335 80990	70027 00057	98991 92757

Email: northeast@scienceindiafest.org

Wellness Conclave & Expo

Health is the best wealth. At present, many circumstances including our lifestyle are leading us towards non-communicable diseases. The Ayurveda is an Indian legacy which makes us aware about health. It also tells about the wellness, prevention and cure from diseases. Wellness Conclave is conceptualized as an attempt to project how alternative systems of medicine are capable making our society disease free.

DATE: 6-7 November, 2019

VENUE: IICB-Jadavpur Campus

COORDINATING AGENCIES: CSIR-IICB & Vijnana Bharati

COORDINATORS

P Jaisankar	Arun Bandyopadhyay	Priti Chhabra	Abhijit Ghosh
CSIR-IICB	CSIR-IICB	Vijnana Bharati	Vijnana Bharati
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Email: wellness@scienceindiafest.org

Agriculture Scientists' Meet

The Agriculture Conclave & Expo will deliberate upon salient thematic areas including Grassroots innovation in agriculture, stakeholders' perspective, Integrated Farming System models, Value chains and business models, alternative farming system for sustainable agriculture as well as smart agriculture policy for scaling up innovations. Hon'ble PM's vision of "doubling the farmers income" and "per drop more crop" are the key ideas of this meet.

DATE: 7 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 7

COORDINATING AGENCIES: ICAR-NINFET, Bose Institute & Vijnana Bharati

COORDINATORS

Laxikant Nayak	Debabrata Basu	JP Sharma	Arun Pandey
ICAR-NINFET	Bose Institute	Vijnana Bharati	Vijnana Bharati
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Email: agriculture@scienceindiafest.org



A SCIENTIFIC
INSTITUTION, BE
IT A LABORATORY
OR AN ACADEMY,
HAS TO BE
GROWN WITH
GREAT CARE LIKE
A TREE.

DR HOMI
JEHANGIR BHABHA

IISF 2019 PROGRAMMES AT A GLANCE

THE RATE OF
ECONOMIC
GROWTH IN
EVERY COUNTRY
IS DETERMINED
BOTH DIRECTLY
AND INDIRECTLY
BY THE RATE OF
PROGRESS OF
SCIENCE AND
TECHNOLOGY.

PRASANTA
CHANDRA
MAHALANOBIS



Mega Science, Technology & Industry Expo

This Mega Expo will showcase the outstanding contributions in S&T and Industry. Achievements in Defence, Space, Atomic Energy, Agriculture, Medical etc. will be exhibited in the Expo. GoI missions like Swachh Bharat, Digital India, Make in India, Swasth Bharat etc. will be portrayed.

DATE: 5-8 November, 2019

VENUE: Science City

COORDINATING AGENCIES: Vijnana Bharati

COORDINATORS

Omkar Rai	Narendra Sharma
Vijnana Bharati	Vijnana Bharati
98682 18614	99581 88770

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Nav Bharat Nirman – Building of the New India

'Nav Bharat Nirman' provides a platform to Farmers, Agronomists, Grass-root Innovators, Cyber experts, Technologists etc. to share their innovative ideas and emerging skills with a focus to engage them together for this Nation reforming convention.

DATE: 7 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 4

COORDINATING AGENCIES: IACS & Vijnana Bharati

COORDINATORS

Somabrata Acharya	Ruchita Pal	Rahul Singhal
IACS	Vijnana Bharati	Vijnana Bharati
96097 63012	95602 40196	98111 47676

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New Age Technology Show

The technological advancements have changed our everyday life. Quantum Computing, Cloud Computing, Robotics and Process Automation, Data Science, AR, MR & VR, AI, IoT and Smart Cities are some major facets of New Age Technologies.

VENUE: Science City

COORDINATING AGENCIES: Vigyan Prasar & Vijnana Bharati

COORDINATORS

Bharat Bhushan	Gaurav Jain	Sumit K Mishra	Sanghamitra Poddar
Vigyan Prasar	Vigyan Prasar	Vijnana Bharati	Vijnana Bharati
85279 57529	98112 21166	99119 20419	94333 80970

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Assistive Technologies Conclave & Expo for Divyangjan

In this symposium, Assistive Technology professionals will discuss challenges of effective technological intervention, opportunities and obstacles to adoption of solutions by Divyangjan.

DATE: 5-7 November, 2019

VENUE: Science City, S19 A&B

COORDINATING AGENCIES: NIT-Durgapur, DEPWD, DST & Vijnana Bharati

COORDINATORS

Anupam Basu	Sarbari Sen	Vivek Kumar	Debapriya Dutta
NIT Durgapur	Vijnana Bharati	Vijnana Bharati	DST
83358 81836	94333 47904	94126 19735	81305 45765
K Gopikrishna	PK Lenka		
DST	DEPWD		
88602 42402	94331 75340		

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Health Research Conclave (HRC)

Health Research is an important area for translating best health care practices. The Govt. of India has launched an ambitious Aayushman Bharat in this regard. ICMR is coordinating HRC with the theme 'Translating Research in to Action for Improving Health of the Population'. Eminent health experts will speak on Tribal Health, Nutrition, Medical Innovations and Emerging Infections.

DATE: 7-8 November, 2019

VENUE: Biswa Bangla Convention Centre, Hall No. 2

COORDINATING AGENCIES: ICMR, ICMR-NICED, Bose Institute & Vijnana Bharati

COORDINATORS

Rajnikant Srivastav ICMR 98912 74684	Neeraj Tandon ICMR 98114 62137	Ranjan Nandy ICMR-NICED 94335 25652	Sujoy Dasgupta Bose Institute 98302 27751
Punit Mishra Vijnana Bharati 98106 96386	Uma Kumar Vijnana Bharati 98682 17040		

Email: health@scienceindiafest.org

Science & Technology Media Conclave

S&T Media Conclave aims to provide a platform to science journalists in print, electronic, digital and social media to communicate science & technology with the public. It will be a two day congregation of about 250 journalists from PAN-India.

DATE: 6-7 November, 2019

VENUE: Bose Institute, Salt Lake

COORDINATING AGENCIES: Vigyan Prasar, SRFTI & Vijnana Bharati

COORDINATORS

Saurav Sen Vigyan Prasar 98107 00920	Amar Choudhary SRFTI 98311 12156	Debashish Chaudhary Vijnana Bharati 98746 77009	Sridathan Vijnana Bharati 98914 12119
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Email: STMC@scienceindiafest.org

Vigyan Yatra

As part of promotional activities of IISF 2019 a yatra of the mobile science exhibition van will be flagged off from three different cities:

Siliguri: J C Bose Yatra | Dhanbad: P C Ray Yatra | Kharagpur: S N Bose Yatra

The motive behind this yatra is to ignite the minds of the viewers while on its journey through various districts with a stopover at selected venues. The science exhibition mobile van can be viewed by all local school/university students, which will create interest and awareness about IISF 2019. Eminent science communicators, innovators, teachers, students and research scholars of the locality will be felicitated. During the yatra IISF leaflet will also be distributed.

LED wall van will display and show promotional videos related to IISF. All the yatra will be converge at Science City, Kolkata in the evening of 4th November 2019.

VENUE: Science City

COORDINATING AGENCIES: Vijnana Bharati

COORDINATORS

Animesh Kumar Dey Vijnana Bharati 89108 83623	Kanak Kanti Baisya Vijnana Bharati 70637 91772	Radha Raman Pandey Vijnana Bharati 96173 32247
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Email: vigyanyatra@scienceindiafest.org



THE WHOLE
HISTORY OF
THE WORLD
SHOWS THAT
THE INDIAN
INTELLECT IS
SECOND TO
NONE.

BHAGINI
NIVEDITA

IISF 2019 PROGRAMMES AT A GLANCE



IN THE HISTORY
OF SCIENCE,
WE OFTEN
FIND THAT
THE STUDY OF
SOME NATURAL
PHENOMENON
HAS BEEN THE
STARTING
POINT IN THE
DEVELOPMENT
OF A NEW
BRANCH OF
KNOWLEDGE.
SIR CV RAMAN

Outreach Programme & Satellite Communication Event

This is IISF 2019 pre launch popularization programme. All the government Institutions and Organizations will organize a one day program with a press meet, exhibition, scientist-public interactions and lectures on the importance of IISF. Satellite communication services will be harnessed for the online lecture delivery. This is to highlight the Digital India Campaign initiated by our Hon'ble Prime Minister Shri Narendra Modi.

COORDINATING AGENCIES: Vigyan Prasar, DST & Vijnana Bharati

COORDINATORS

MM Gore Vigyan Prasar 99992 75292	Sachin Mandavgane Vijnana Bharati 98232 46329	Sanjay Tiwari Vijnana Bharati 94242 25771
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Email: opsc@scienceindiafest.org

Guinness World Records

World record attempts have been a key part of IISF since its inception, thus encouraging science popularisation through public participation. This year, we attempt to create four new World Records on each day of the event. Entries in the Guinness World Records serves as a motivational platform and an excellent opportunity for the young students to be part of the mega event.

DATE: 5-7 November, 2019

VENUE: Science City

COORDINATING AGENCIES: CSIR-CGCRI & Vijnana Bharati

COORDINATORS

Koushik Biswas CSIR-CGCRI 97480 51040	BB Jha CSIR-CGCRI 94326 73626	Vaisakh VS Vijnana Bharati 97170 96659	Nayan Roy Chaudhuri Vijnana Bharati 91238 25498
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Email: guinness@scienceindiafest.org

Cultural Programs

Cultural Festivals and events are increasingly becoming an arena of discourse, enabling people to view movement and dance within a cultural frame of work. This year we will showcase variety of cultural activities e.g. Plays, Musical Yoga, Nukkad Natak, Dance & Recital performances to commemorate the essence of Vedic and Modern Science, with the theme "Ancient to Modern" (A reflexive Monism).

DATE: 5-7 November, 2019

VENUE: Biswa Bangla Convention Centre & Science City

COORDINATING AGENCIES: Vigyan Prasar, SRFTI, DST & Vijnana Bharati

COORDINATORS

Saurav Sen Vigyan Prasar 98107 00920	Hitesh Liya SRFTI 91677 69039	SD Sharma SRFTI 90071 92716	Mayuri Dutt Vijnana Bharati 94330 06002
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Reeta Bhattacharya

Vijnana Bharati
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Joint Secretary, DST



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President,
Vijnana Bharati



SHRI A JAYAKUMAR
Special Advisor,
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