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आज़ादी का
अमृत महोत्सव



भारत तीर्थ – २ BHARAT TIRTHA - II

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

International Conference (Hybrid mode)
on
Indian Knowledge Systems

June 14 – 18, 2022



Key Partners :



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



IHar,
Huston, Texas, USA

Organized by : Centre of Excellence for Indian Knowledge Systems, IIT Kharagpur



FOREWORD

An international webinar entitled BHARAT TIRTHA-I was organized by IIT Kharagpur in November 2020. It brought into one fold important speakers and experts on Indian Knowledge systems. The overall deliberation and particularly, the theme movie of BHARAT TIRTHA-I created a ripple across the nation:

https://www.youtube.com/watch?v=_ll1m3xQPO0

BHARATA TIRTHA: A VIDEO on Indian Sciences and Technology by IIT Kharagpur Nov 2020

The Ministry of Education, Government of India was happy and impressed and granted IIT Kharagpur, the mother of IIT system, an authority to open up a first Centre of Excellence on Indian Knowledge Systems.

Today, the Centre has been initiated with synoptic and thematic galleries, with various academic spaces along with a pool of core faculty, associated faculty and research scholars. With new goals in the horizon, the Centre has taken the next step to organize Bharat Tirtha-II in association with IHAR, Houston and India and in partnership with the Ministry of Education, Government of India.





KEY OBJECTIVES

The operational objectives are two, and they are as follows:

1. The principal objective of this International Conference is to have multiple strands of PANEL DISCUSSIONS based on THEMES initiated by 1-2 experts, as a part of the Panel.
2. The second objective is to have 3-4 rounds of discussions under EACH PANEL DISCUSSION to best arrive at directions of research, publications and dissemination of a few selected domains of Indian Knowledge Systems.

Panel Theme 1 : ‘IKS - not a nostalgia of the past, but also seeking future relevance’

Panel Theme 2 : ‘Delineating composite IKS methodology: a blend of analytical and normative goals’

Panel Theme 3 : ‘Bringing IKS as a mainstream pedagogy, not just a value additive process’

With the two objectives under one fold, the Conference welcomes all expert-participants to

- a) Briefly deliberate with a **minimum number of WORD PPT slides (5 – 7 slides maximum)** focusing on a particular theme or concern and
- b) Encourage maximum rounds of discussion in the PANEL

All expert-panel members are therefore requested to send a 200-word abstract with keywords by May 31, 2022 to the following mail ids:

1. joysen@arp.iitkgp.ac.in
2. krk.bhu@gmail.com
3. nandinimukhopadhyay739@gmail.com
4. mitali0690@gmail.com

All sessions shall be recorded and the Conference Proceedings based on ‘Dialogues under PANEL DISCUSSION’ shall be published as an authentic document.

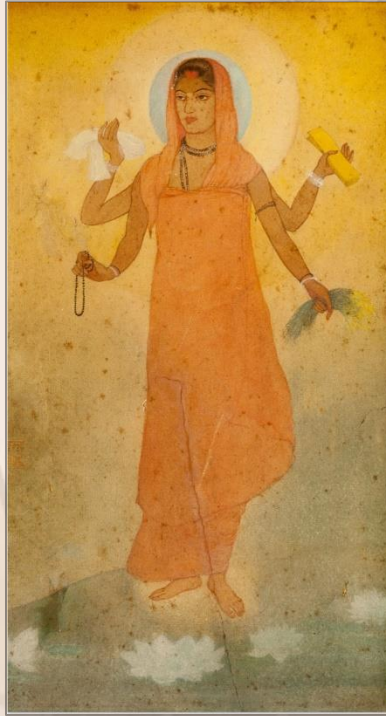
**Organizers of BHARAT TIRTHA II
IIT Kharagpur**





OVERALL ITINERARY AT A GLANCE

Date	Session		Theme
DAY 1 14 th June 2022	FN	Inauguration	Lighting of the Lamp Mangal Jyoti & Inauguration of Bharat Tirtha II Exhibition in Gargi/ Maitri Auditorium and Foyer
		Invocation	Invocation and Speeches
			Thematic Talks by Experts
	AN	CoE-IKS Visit	Talks at Centre and Evening events
DAY 2 15 th June 2022	FN	Panel-1	Indian History: Debate on Content & Chronology
			IHAR Members
			IKS IIT Kharagpur Members
	AN	Panel-2	Mathematics and Cosmology
			Vedantic Principles of Cosmology
			AYURVEDA - Revisiting traditional medical wisdom in the light of modern science and technology
DAY 3 16 th June 2022	FN	Panel-3	Gurudev Rabindranath Thakur and his forerunning ideas of Indian Knowledge Systems
			Indian Culture. Art, Sciences and the deepest lore of Spirituality – Participation by Silpa Sadan, Visva Bharati
			Water and Built Environment/ Water Resources Planning in the Indian Context
	AN	Panel-4	Water in the context of INDIC Traditions
			Global Issues and Perspectives(Globalization and Urbanization)
			Built-Environment
			Heritage Sketches Exhibition
DAY 4 17 th June 2022	FN	Panel-1	Who are the Bharatas? A History of Civilizational Identity, by Author, Economist and Member of the Economic Advisory Council to the Prime Minister of India, Sri Sanjeev Sanyal
		Panel-2	Sanskrit - A Tool to Access Bharatiya Jyan Parampara
		Panel-3	The Holism of Yoga
	AN	Panel-4	Research Methodology - First Person vs Third Person Inquiry
DAY 5 18 th June 2022	FN	Panel-1	Indian Astrophysics, Quantum Physics and Cosmology
			Raman Effect and Activities of ARIES, Quantum Physics
	AN	Panel-2	Black Holes and other singularities: pioneering Indian contributions
			Prof Padmanabhan's contributions in Astrophysics and Cosmology
		Panel-3	Valedictory Session and Way Forward



India was the motherland of our race, and Sanskrit the mother of Europe's languages: she was the mother of our philosophy; mother, through the Arabs, of much of our mathematics; mother, through the Buddha, of the ideals embodied in Christianity; mother, through the village community, of self-government and democracy. Mother India is in many ways the mother of us all.

WILL DURANT
- "The Case for India" 1931

DETAILED DAY-WISE ITINERARY





Day 1 (14th June 2022)

Morning Session (10 AM to 1 PM) @ Venue – Gargi/ Maitri Auditorium

Time	Event	Theme
10:00 – 10:30 AM	Inauguration	Lighting of the Lamp - <i>Mangal Jyoti</i> & Inauguration of BHARAT TIRTHA - II
	<i>Bithika Unmochan</i>	Inauguration of Outdoor Exhibition
		Knowing CoE-IKS Family and Experts
Video Show		
10:30AM –11:00 AM	Invocation Speech	Convener
		Prof. Amit Patra, Deputy Director, IIT Kharagpur
		Prof. Virendra K. Tewari, Director, IIT Kharagpur
Tea Break		
11:15 AM - 1:00 PM	Theme Talk 1	Prof. Amitabha Ghosh (Online)
	Theme Talk 2	Prof. K. Ramasubramanian, IIT Powai
Lunch		

Afternoon Session (3 PM to 5 PM) @ Venue - CoE-IKS Center

Time	Event	Theme
3:00 PM -4:30 PM	CoE-IKS Visit	BHARAT TIRTHA Gallery and Corridor Exhibition
		Vivekanand Bithica, Varanasi Katha
		Small Talk on IKS
		Aurobindo Udyan: A Final Meet
Tea Break		

Evening Session (5 PM onwards) @ Venue - CoE-IKS Center

Time	Event	Theme
5:00 PM	Cultural Event	Cultural Team IIT Kharagpur, NMST Foyer



Day 2 (15th June 2022)

Morning Session (10 AM to 1 PM) @ Venue - Gargi/ Maitri Auditorium

Time	Event/Theme	Speaker	Moderator
Video Show			
10:00 - 10:45 AM	Panel- 1	Indian History: Debate on Content & Chronology	
	IHAR Members	Dr. Vedveer Arya	Prof. Joy Sen
		Dr. A. R. Chaudhri	Prof. Somesh Kumar
	IKS Design Sciences	Prof. Sudhir Lall***	Prof. V. R. Desai
			Dr. Dipesh V. Katira
	Special session (10 mins)	Dr. Jagannath patil	Dr. Richa V. Chopra
Tea Break			
11:00 AM -1:00 PM	Panel - 2	Mathematics, <i>Ganita</i> and Cosmology	
		Prof. R.N. Iyengar***	Prof. Somesh Kumar
		Prof. K. Ramasubramanian	Prof. Jitendra Kumar
		Prof. Clemency Montelle***	Dr. Mahesh K.
		Dr. Sanjeev Ranganathan***	
	Vedantic Principles	Swami Nityayogananda	
Media & Communication			
Lunch			

Afternoon Session (3 PM to 5 PM) @ Venue - Gargi/ Maitri Auditorium

Time	Event/Theme	Speaker	Moderator
3:00 PM -4:00 PM	Panel - 3	AYURVEDA - Revisiting traditional medical wisdom in the light of modern science and technology	
		Dr. Mradu Gupta	Prof. Jyotirmoy Chatterjee
		Prof. Soumen Das	Prof. Santanu Dhara
			Prof. Gayatri Mukherjee
			Dr. Nishant Chakravorty
Tea Break			
	Exhibition	Ar. Ayan Sen	Dr. Dipesh V. Katira

*** : Online mode



Day 2 (15th June 2022)

Time	Event/Theme	Speaker	Moderator
4:30 PM -5:30 PM	Panel – 4 Tagore Session - Team from VisvaBharati Santiniketan	Prof. Manoj Kumar Prajapati	Dr. Anway Mukhopadhyay
		Dr. Prabir K. Choudhury	Prof. Joy Sen
		Dr. Shankar Roy Moulik	Dr. Jayashree A. Gajjam
		Prof. Sumitabha Pal	
		Prof. Shantanu Kumar Jena	
		Prof. Ashis Ghosh	
		Dr. Tanima Bhattacharya	

Evening Session (5:30 PM onwards) @ Venue - Gargi/ Maitri Auditorium		
Time	Event	Theme
5:30 PM	Musical Evening	Cultural Team, IIT Kharagpur





Day 3 (16th June 2022)

Morning Session (9 AM to 1 PM) @ Venue - Gargi/ Maitri Auditorium

Time	Event/Theme	Speaker	Moderator
Video Show			
9:00 - 10:00 AM	Panel – 1 Water and Built Environment	Prof. Mansee Bal Bhargava	Prof. S. K. Paul
		Prof. S.M. Akhtar ***	Prof. Joy Sen
		Prof. Sheikh S. Hakim ***	Dr. Mahesh K.
		Prof. Vishal Narain***	
		Dr. Suresh Rohilla***	
		Prof. Deepika Shetty	
		Prof. Gitanjali Rao***	
		Prof. Pranjal Deekshit	
10:00 - 11:00 AM	Panel – 2 Water Resources Planning in the Indian context	Prof. Anil Gupta (Padmashri)***	Prof. Mansee Bal Bhargava
		Dr. Anil Joshi (Padmabhushan)***	Prof. A.K. Gupta
		Swami Shivanandji Maharaj***	Prof. Bharath Aithal
Tea Break (30 mins)			
11:30 AM -1:00 PM	Panel - 3	Global Issues and Perspectives	
	Globalization and Urbanization	Dr. Rajrani Kalra	Dr. Shreyas Bharule
		Ar. Shikha Jain	Dr. Priyanka Dey
			Dr. Prashant Anand
	Built and Semi Built Architecture	Ar. Harimohan Pillai***	Prof. S.P. Bhattacharya
		Prof. Ashwini Pethe	Prof. Joy Sen
Ar. Ketaki Patwardhan		Dr. Mahesh K.	
Lunch			

*** : Online mode



Day 3 (16th June 2022)

Afternoon Session (2:30 PM to 6:30 PM) @ Venue - Gargi/ Maitri Auditorium

Time	Event/Theme	Speaker	Moderator
2:30 PM -3:00 PM	Exhibition	Heritage Sketches by Ar. Shib Roy	
		Dr. Michael Karassowitsch	Prof. Joy Sen
3:00 PM -4:00 PM	Panel – 4	Prof. Rana P.B. Singh	Dr. Dipesh V. Katira
	Project Varanasi	Dr. Amrita Dwivedi	Dr. Mahesh K.
		Dr. Swasti Mishra	
		Prof. N.C. Nayak	
		Prof. A.K. Goswami	
		Prof. Abhijit Mukherjee	
Tea Break			
4:15 PM -5:15 PM	Panel - 5	Ramayana and Indic themes	
	Theme 1	Dr. Jagatpati Sarkar	Dr. Dipesh V. Katira
	Theme 2	Dr. Vedveer Arya	Prof. Joy Sen
		Dr. Mahua Mukherjee	
		Dr. Akhilesh Gumasta Ji	
		Dr. Durga Basu	
	Theme 3	Mrs Anita Bose	
Tea Break			
	Micro Exhibition	Bangabhumite Ramayana	
		Mrs Anita Bose	
5:30 PM -6:30 PM	Panel – 6 Indology Through South-East Asian perspective	Dr. Sombat Mangmeesuksiri – THAILAND***	Prof. Joy Sen
		Dr. Asawari Bapat – MYNAMAR***	Dr. Dipesh V. Katira
		Dr. I Made Darmayasa – INDONESIA***	
		Mr. Leng Sirang***	
		Mr. Santosh Mishra – FIJI	
		Dr. Balakrishnan Muniapan***	
		Mrs. Anita Bose - INDIA	

*** : Online mode



Day 4 (17th June 2022)

Morning Session (9:00 AM to 1:30 PM) @ Venue - Gargi/ Maitri Auditorium			
Time	Event/Theme	Speaker	Moderator
Video Show			
9:00 - 10:20 AM	Special Session	Who are the Bharatas? A history of Civilizational Identity	
		Sri. Sanjeev Sanyal	Prof. Joy Sen
			Prof. Somesh Kumar
Tea Break			
10:30 – 11:50 PM	Philosophy, <i>Darshana</i> and Sanskrit		
	Panel - 1 Sanskrit - A Tool to Access <i>Bharatiya Jyan Parampara</i>	Prof. Kapil Kapoor***	Dr. Jayaraman M
		Prof. Shrinivasa Varakhedi	
		Sh. Shreyas Kurhekar***	
		Dr. Anuradha Choudry	
Tea Break			
12:00 – 1:20 PM	Panel - 2 The Holism of Yoga	Swami Nikhileshwarananda***	Sh. Raghava Krishna
		Prof. Ganesh Rao***	
		Dr. Shilpa Pandit	
		Dr. Richa Chopra	
Lunch Break			

Afternoon Session (2:30 PM to 5 PM) @ Venue - Gargi/ Maitri Auditorium			
Time	Event/Theme	Speaker	Moderator
2:30 – 3:30 PM	Panel – 3	Pravrajika Divyanandaprana***	Prof. Joy Sen
	Research Methodology - First Person vs Third Person Inquiry	Dr. Ravindra P N	
		Prof. Shekhar P Seshadri***	
		Prof. Manas Kumar Mondal	
Tea Break			

*** : Online mode



Day 5 (18th June 2022)

Session on *Khagol Vigyan* in association with Ministry of Culture, Government of India

Morning Session (9:30 AM to 1 PM) @ Venue - Gargi/ Maitri Auditorium			
Time	Event/Theme	Speaker	Moderator
Video Show			
	Panel - 1	Indian Astrophysics, Quantum Physics and Cosmology	
9:30 - 10:30 AM	Raman Effect	Prof. Chandrabhas Narayana***	Prof. P. K. Dutta
10:30 - 11:30 AM	Activities of ARIES	Prof. Dipankar Banerjee***	
Tea Break			
12:00 – 1:00 PM	High Energy Physics or Quantum Physics	Prof. Rohini Godbole***	Prof. Somnath Bharadwaj
Lunch Break			
Afternoon Session (3 PM to 6 PM) @ Venue - Gargi/ Maitri Auditorium			
	Panel - 2		
3:00 – 4:00 PM	Black Holes and other singularities: pioneering Indian contributions	Prof. Sudipta Sarkar***	Prof. Sayan Kar
4:00 – 4:45 PM		Prof. Amitabh Virmani***	
Tea Break			
	Panel - 3		
5:00 – 5:45 PM	Prof. Padmanabhan's contributions in Astrophysics and Cosmology	Prof. Tirthankar Roy Choudhury***	Prof. Somnath Bharadwaj
5:45 – 6:00 PM	Panel Discussion	Prof. Amitabha Ghosh*** Prof. Joy Sen	
Tea Break			
Evening Session (6:00 PM onwards) @ Venue - Gargi/ Maitri Auditorium			
6:00 PM - onwards		Valedictory Session and Way Forward	

*** : Online mode



OUR TEAM

Prof. Joy Sen,

(Chairperson, CoE-IKS)

Email: joysen@arp.iitkgp.ac.in

Contact: +91 – 9830471984

Prof. Somesh Kumar, Professor Mathematics

Dr. Dipesh Vinod Katira, Assistant Professor

Dr. Richa Chopra, Assistant Professor

Dr. Jayashree Aanand Gajjam, Assistant Professor

Dr. Mahesh K., Assistant Professor

Dr. Arnab Kumar Hazra, Junior Superintendent(Museum)

Research Scholars

Anurag Aman Kaushal, +91 - 7024324740

Mitali Mishra, +91 - 6391137851

Krishna Kumar, +91 - 8960515375

Nandini Mukhopadhyay, +91 – 8981609210

Bulton Roy, +91 - 9641890607

For All Logistics and Travel, Please Contact :

1. Dr. Arnab Hazra

Junior Superintendent(Museum)

arnabhazra@iitkgp.ac.in

+91 - 9232363669

2. Anurag Aman Kaushal

(Research Scholar)

anuragkaushal16@gmail.com

+91 - 7024324740

3. Bulton Roy

(Research Scholar)

bultonroy310@gmail.com

+91 - 9641890607



Key Partners :



शिक्षा मंत्रालय
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IHar,
Huston, Texas, USA





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Key Partners :



Ministry of Education
Government of India



IHAR,
Houston, Texas, USA

Key Knowledge Partners: Indian History Awareness Research, Houston, Texas, USA

Patrons:

Prof. Virendra Kumar Tewari
Director, IIT Kharagpur

Prof. Amit Patra
Deputy Director, IIT Kharagpur

Sri Tamal Nath
Registrar (O), IIT Kharagpur

Dr. Subroto Gangopadhyay
IHAR Houston USA

Dr. Vedveer Arya
DRDO & IHAR India

Convener: Prof. Joy Sen, Chairperson, Centre of Excellence for Indian Knowledge Systems, IIT Kharagpur