

October, 2024

Indian Institute of Science Education and Research Kolkata (IISERK) is an Institute of National Importance established as an autonomous institute for higher education by the then Ministry of Human Resource Development (now Ministry of Education), Government of India, to promote high-quality education and research in basic sciences. It is one of the seven Indian Institutes of Science Education and Research and is one of the first IISERs to be established along with IISER Pune. In terms of research output, it is considered to be one of the leading institutes in India.



Director, IISER Kolkata participated in the 3rd Japan-India Universities Forum held on October 19, 2024 at The Grand, New Delhi. The Forum brought together university leaders from both countries to discuss opportunities for academic exchange, research collaboration, and strengthening bilateral ties in higher education.



Visit of Dr. Didier Raboisson, Attaché for Scientific and Academic Cooperation, Embassy of France and Mr. Aymeric Vo Quang, Project Manager - GV Scientific and University Cooperation, French Institute and French Embassy.

Ekta Divas



IISER Kolkata marked Rashtriya Ekta Divas with an inspiring and vibrant #UnityRun, paying tribute to Sardar Vallabhbhai Patel's vision of a united India. The event brought together students, faculty, and staff, all united in the spirit of national unity and harmony.

The day began with the Unity Run, where participants enthusiastically ran to symbolize their commitment to the ideals of national integration. The event highlighted the importance of Sardar Patel's efforts in uniting the nation and fostering a sense of solidarity.

With every stride, participants reaffirmed their dedication to the values of unity, peace, and harmony, reflecting IISER Kolkata's ongoing efforts to uphold the essence of national integration. The energy and enthusiasm displayed throughout the run were a true testament to the institute's commitment to these ideals.

Swachh Bharat Diwas 2024



As a part of Swachh Bharat Diwas, cleaning programme was done with the help of the housekeeping workers. Movie/documentaries of our Father of the Nation - Mahatma Gandhi was screened and the target audience were the Ek-Pehal children. Gift and sweet boxes were distributed among the children. Food packets, T-Shirts and caps were also distributed among the housekeeping workers.



Safai Mitra Suraksha Shivar 2024



As part of the "Safai Mitra Suraksha Shivar 2024," a free health camp was organized for outsourced housekeeping workers at IISER Kolkata in collaboration with our Medical Unit. The event featured talks by two esteemed doctors:

Dr. Deepanjan Bhattacharya (MBBS, MD, DM), Assistant Professor in the Department of Cardiology at AIIMS, Kalyani, who discussed "Overall Wellbeing and Fitness with a Focus on Occupational Hazards for Safai Mitras."

Dr. Lisley Konar, Senior Resident in Obstetrics and Gynaecology at AIIMS, Kalyani, who spoke on "Best Practices in Menstrual Hygiene."

The camp aimed to promote health awareness and safety among our dedicated housekeeping team.



Swachhata Ki Bhaagidari "Ek Ped Maa Ke Naam"

During this event, saplings were planted inside the institute campus by the officials with the help of horticulture team.

Freshers' Induction Programme



The Freshers' Induction Programme for the BS-MS Batch of 2024 at IISER Kolkata was designed to welcome and integrate the incoming students into the vibrant life of the institute. IISER Kolkata pioneered among IISERs in designing the Freshers' Induction Programme from the BS-MS Batch of 2024. The induction programme, which took place over several days, featured a variety of engaging activities aimed at helping the students familiarize themselves with their new surroundings and the systems at IISER Kolkata. Attendance was mentioned as mandatory.

The activities included a Nature Walk, allowing the students to explore and appreciate the campus's natural beauty, and a Campus Tour that provided insights into the key facilities and infrastructure. To foster camaraderie and team spirit, there were Sports and Games sessions, which encouraged physical activity and interaction among peers. The programme also celebrated the artistic talents within the student community with a Music evening, while a Movie Screening offered a moment of relaxation. Additionally, the Skywalk event provided the students an opportunity to gaze at the stars and reflect on the larger universe, instilling a sense of curiosity and scientific wonder.

Through these activities, the new batch was not only introduced to the physical aspects of the campus but also to the supportive and dynamic community that defines IISER Kolkata. The programme co-ordinators included several 2nd and 3rd year students and Faculty members.

The Freshers' Induction Programme for the BS-MS Batch of 2024 at IISER Kolkata was a success in providing the new students with an immersive and engaging introduction to their new social environment. This Integration programme would now be included in the IISER Kolkata Curriculum formally.

Conference on Aspects of Gravity and Cosmology



The Department of Physical Sciences, IISER Kolkata organized a two-day national workshop titled Aspects of Gravity and Cosmology on the 25th and 26th of October, 2024. The activities had ten technical talks by experts in the area, and several IISER students well attended it. The Department of Physical Sciences took the opportunity of the event to felicitate Prof. Narayan Banjee who retired in October 2024.

Students Achievements



CESSI PhD student Chitradeep Saha (20RS018) was invited to present his research work on the origin of long-term fluctuations in the Sun's magnetic activity in an international conference titled "Solar cycle variability: From understanding to making prediction", held during 14-18 October 2024 at ARIES, Nainital, India.



CESSI PhD student Shaonwita Pal (19RS038) was invited to present her research work on reconstruction of interplanetary magnetic field using physics-based models in an international conference titled "Solar cycle variability: From understanding to making prediction", held during 14-18 October 2024 at ARIES, Nainital, India.

Congratulations to the 2024 IISER Kolkata iGEM team for winning a Gold medal and for nomination for the Best Village Award in the Fashion and Cosmetics track.

GOLD		
Hannover	HBUT-China	Heidelberg
HiZJU-China	HK-Joint-School	HKPOLYU
HKUST	HKUST-GZ	HongKong-CUHK
HongKong-JSS	HongKong-UCCKE	HUBU-WUCHANG-CHINA
HUST-UEVE-UPSaclay	HW-ShanghaiUnited	IISc-Software
IISER-Kolkata	IISER-TVM	IIT-Bombay



Faculty Members Achievements

Based on his exceptional contributions and accomplishments, Chirantan Rasayan Sanstha® (CRS) bestows the CRS® Lifetime Achievement Award to Prof. Arabinda Chaudhuri, ICMR Emeritus Scientist. Congratulations to Prof. Arabinda Chaudhuri.



Seminars, Lectures and Colloquia

[DPS Colloquium] Prof. Romesh K Kaul (Indian Institute of Science, Bangalore) -- High Energy Physics: A Reductionist Perspective of Constituents of Matter, Date: Thursday, Oct 03, 2024.

[DES Seminar] Dr. Bibhasvata Dasgupta (Utrecht University, Netherlands) -- The Global Methane Cycle: Sources, Sinks, Isotopes and Mixing Ratios, Date: Thursday, Oct 03, 2024.

[DBS Seminar] Prof. Anju Chadha -- Biocatalysis: From Academics to a Start-up, Date: Thursday, Oct 03, 2024.

[CESSI Seminar] Suprabha Mukhopadhyay (Max Planck Institute for Solar System Research, Göttingen) -- Understanding the Slow Rhythms of the Sun, Date: Thursday, Oct 03, 2024.

[DBS Seminar] Prof. Sagar Sengupta -- Remodeling of the epigenome: link to chemosensitivity and adjunct therapy in colon cancer, Date: Wednesday, Oct 16, 2024.

[Short course Lithosphere 2024] Prof. James Jackson, Prof. Supriyo Mitra, Dr. Tapabrato Sarkar, and Dr. Sanjay Kumar Mandal, Date: Monday, Oct 21-26, 2024.

[CESSI Colloquium] Mausumi Dikpati (UCAR, High Altitude Observatory, USA) -- Global and Local Dynamics of X-flare Producing Active Regions During Solar Cycle 25 Peak-Phase Date: Monday, Oct 21, 2024.

[DCS Visitor's Seminar] Dr. Ashwani Kumar (MPI-KOFO, Germany) -- From Nanomaterials to Single Atom Catalysts: Pioneering Electrocatalysis for a Sustainable Future Date: Tuesday, Oct 22, 2024.

DPS Seminar] Dr. Lalit Mohan Kandpal (IIT-Delhi) -- Harnessing Defects in Spintronics: From Information Encoding to Energy Generation -- Join: [https://meet.google.com/dfs-vg\[uy-czr-~::~-\]](https://meet.google.com/dfs-vg[uy-czr-~::~-]), Date: Tuesday, Oct 22, 2024.

[CESSI Seminar] Ranadeep Ghosh Dastidar (Purdue University, USA) -- Gamma Ray Bursts: Deciphering the Highest Energies of the Universe, Date: Tuesday, Oct 22, 2024.

[DPS Seminar] Prof. Chirantan Neogy (University of Kalyani) -- Visual Optics, Date: Wednesday, Oct 23, 2024.

[DBS Seminar] Prof. Girish Ratnaparkhi -- The making of a (remarkable) lineage: Primordial germ cells in the early embryo Date: Wednesday, Oct 23, 2024.

[Gluon - The Physics Journal Club] Prof. Anwesh Mazumdar (HBCSE-TIFR) -- Approximations in Physics, Date: Wednesday, Oct 23, 2024.

[CESSI Seminar] Maitraya Bhattacharyya (The Pennsylvania State University, USA) -- A finite element approach to radiation transport on spherical geodesic grids, Date: Thursday, Oct 24, 2024.

[DPS Seminar] Dr. Sourav Manna (Weizmann Institute of Science, Israel) -- Full Classification of Transport on an Equilibrated 5/2 Edge via Shot Noise, Date: Monday, Oct 28, 2024.

[CCES Seminar] Prajna Paramita Das (University of California, Berkeley) -- Decoding Earth's Heart: Unveiling the Mysteries of Inner Core Anisotropy, Date: Monday, Oct 28, 2024.

[DPS Seminar] Dr. Abhyuday Chatterjee (University of Mons, Belgium) -- Catalyst assisted ammonia production in a microwave plasma: optimization through optical diagnostics, Date: Wednesday, Oct 30, 2024.

[CCES Seminar] Dr. Kalachand Sain (J.C. Bose National Fellow, Wadia Institute of Himalayan Geology,) -- Climate-induced Geohazards in the Himalaya and Way-forward, Date: Wednesday, Oct 30, 2024.