



IIT Bhubaneswar co-hosts 90th Annual Meeting of Indian Academy of Sciences

NISER Bhubaneswar and IIT Bhubaneswar co-hosted the 90th Annual Meeting of the Indian Academy of Sciences (IASc), Bengaluru from 8-10th November 2024. The meeting was held at NISER on 8th and 9th November 2024 and at IIT Bhubaneswar on 10th November 2024.



The meeting at IIT Bhubaneswar was inaugurated by Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar, in the presence of Dr. Chandrasekhar Bhamidipati and Dr. Tabrez Khan from IIT Bhubaneswar; Prof. Gunanathan (NISER); Prof. Umesh V. Waghmare (President, IASc Bengaluru); Prof. U.C. Mohanty (Centre for Climate Smart Agriculture, Bhubaneswar) and other esteemed delegates of the academy. Speaking on this occasion, Prof. Karmalkar emphasized the role of diversity and inclusivity as being the pillars of IIT Bhubaneswar, including, the steps taken by the Institute for imparting a holistic education through modern and novel active learning classrooms.

The meeting organised at IIT Bhubaneswar was attended by students, faculty, staff of the Institute, in addition to the fellows and the associates of the academy. The programme included subject-specific thematic symposiums, special lectures on topics ranging from history to AI and social development. There were also general lectures of interest on wide ranging topics, Viz., Emergent Semiconductor Nanostructures for Photonic and Energy Harvesting Devices to topics such as Epigenetics and Human Genome in biology, by highly renowned experts in their fields.

IIT Bhubaneswar hosts Yuva Manthan 2024



IIT Bhubaneswar organised Yuva Manthan 2024, a vibrant two-day experiential event encompassing a Model United Nations (YMUN), a Youth Parliamentary Debate (YPD), and the Yuva Manthan Hackathon during 9th and 10th November 2024. Organized by the Socio-Cultural and Science and Technology Councils of the Students' Gymkhana, the event brought together students for an inspiring blend of debates, policy discussions, and innovative competitions. The theme of this year's Yuva Manthan was 'Igniting India's Journey To 2047: Vision of a Developed India'.

The programme was inaugurated on 9th November 2024 by Prof. Shreepad Kalmakar, Director, IIT Bhubaneswar, in the presence of Prof. S.K. Panda, Dean (Student Affairs) In-charge, Dr. Kodanda Ram Mangipudi, President of the Students' Gymkhana, and faculty advisors Dr. Devesh Punera and Dr. Suvradip Mullick. Speaking on the occasion, Prof. Karmalkar stressed on the role of 'Communication, Collaboration and Critical Thinking' in the intellectual development of the youth of the nation, which in turn will support the development of the country. The dignitaries emphasized the importance of youth-driven innovation and problem-solving, encouraging participants to explore their full potential.



IIT Bhubaneswar and MOSart Labs Launch Professional Diploma Program in Semiconductor Technology and Chip Design



IIT Bhubaneswar and MOSart Labs have come together to offer an innovative Professional Diploma Program in Semiconductor Technology and Chip Design. This program aims to upskill students, making them industry-ready in various specializations of VLSI including semiconductor technology, analog design, digital design, design verification, physical design, layout design, validation, test and measurements. In this regard, an MoU was signed between both the organisations on 5th November 2024. On behalf of IIT Bhubaneswar, Prof. Dinakar Pasla, Dean-Sponsored Research & Industrial Consultancy and on behalf of MOSart Labs, Mr. Rajesh Gupta, CEO signed the MoU. Among others, Prof. V. Pandu Ranga, Dean-Continuing Education; Prof. Prasant Kumar Sahu, Dean- Alumni Affairs & International Relations, Prof. Vijay Shankar Pasupureddi, Program Coordinator, Dr. Suresh R Dash, Associate Professor, School of Infrastructure, Dr. Kisor Kumar Sahu, Associate Professor, School of Minerals, Metallurgical and Materials Engineering and Mr. Pradeep Kumar Sahoo, Deputy Registrar, Continuing Education, Alumni Affairs & International Relations were present on the occasion.

The program is structured into three comprehensive modules. It begins with the Launchpad Module, providing students with a thorough understanding of the IC lifecycle and the VLSI industry landscape, along with introductory VLSI classes. Following this module, the students will undergo an entrance exam to qualify for the next phases. Successful candidates will progress to the Foundation Module, a semester-long program featuring five courses that cover the fundamentals in different areas of chip design and technology. In addition to teaching the concepts, the focus will be on helping students apply these concepts in design and simulation using state of the art EDA tools. This will be followed by the Specialization Module, also a semester-long program, where students will undertake three courses and a mini project, in their chosen area of specialization. This module allows students to focus on becoming industry-ready by doing Industry level work independently in their chosen field.

Colloquium Talk by Department of Mathematics



The Department of Mathematics organized a colloquium talk on 11th November 2024. The speaker of the colloquium talk was Prof. U. K. Anandavardhanan, who is currently an institute chair professor and the head of the department of mathematics at IIT Bombay.

Prof. Anandavardhanan delivered a talk on 'An Introduction to the Relative Langlands Programme.' In his talk, Prof. Anandavardhanan spoke about some aspects of the Langlands program by introducing representations contributing to harmonic analysis on symmetric spaces. Faculty members and students from the Department of Mathematics and Department of Physics, along with a group of faculty members from NISER, Bhubaneswar, attended the talk and interacted with the speaker.



Student Interaction with Industry Expert

The M.Sc. Geology students of the School of Earth, Ocean and Climate Sciences had the opportunity to have an interaction with Dr. Dilip Kumar Tiwari, Sr. Lead- Technical Services ArcelorMittal Nippon Steel India, Bhubaneswar, on the topic 'Attributes of geology in mining and minerals industry', on 8th November 2024



Field Visit of Students

On 9th November 2024, a group of 35 Ph.D., M.Tech., (Environmental Engineering) and B.Tech. and Dual (Civil Engineering) students, along with their faculty members, Dr. Manaswini Behera and Prof. Rajesh Roshan Dash from the School of Infrastructure, had an educational field visit to the 48 MLD Sewage Treatment Plant (STP) located in Mancheswar, Bhubaneswar. This visit was organized to provide students with a on field learning experience and reinforce their theoretical understanding of wastewater treatment processes.



The field visit was carried out to expose students to the real-world application of wastewater treatment concepts and familiarize them with the design principles and operational procedures of a large-scale STP. Student got opportunity to interact and understand actual design and operation details from officials and technical persons present from the Water Corporation of Odisha (WATCO), Japan International Cooperation Agency (JICA) Odisha Project, and the STP manufacture and operator VA TECH. The field visit to the 48 MLD STP in Mancheswar proved to be an invaluable learning experience for the students. It provided a comprehensive overview of wastewater treatment processes and their practical implementation. By bridging the gap between theory and practice, the visit enhanced students' understanding of wastewater engineering principles, and their application in real-world scenarios.



Nukkad Natak & Skit on Mental Health Awareness

With an objective to cultivate attention towards mental health, Counselling Service Team (CST) of the Institute hosted the XIM University team to perform a Nukkad Natak (Khamosh Zubaani) and a skit (Jeete hai hum) on 9th November 2024. The event aimed to promote mental well-being among students by addressing common challenges and highlighting the importance of mental health.




The programme started with a brief introductory talk on mental health issues and how different people overcome the same by Dr. Vidya Pujari, Assistant Professor, Department of Psychology, XIM University. The Nukkad Natak (Khamosh Zubaani) focussed on the ill effects of bullying and teasing and the skit (Jeete hai hum) focussed on various societal challenges and a way to overcome them. Both Nukkad Natak and Skit are encouraged to seek professional help if required. Prof. Rajan Jha, Dean (SA) in charge addressed the gathering and presented a memento to XIM Team. This programme from XIM team was coordinated by Dr. Neha Jha, Assistant Professor, Department of Psychology, XIM University.

Chhath Puja

Chhath Puja was celebrated in IIT Bhubaneswar Campus with much enthusiasm.





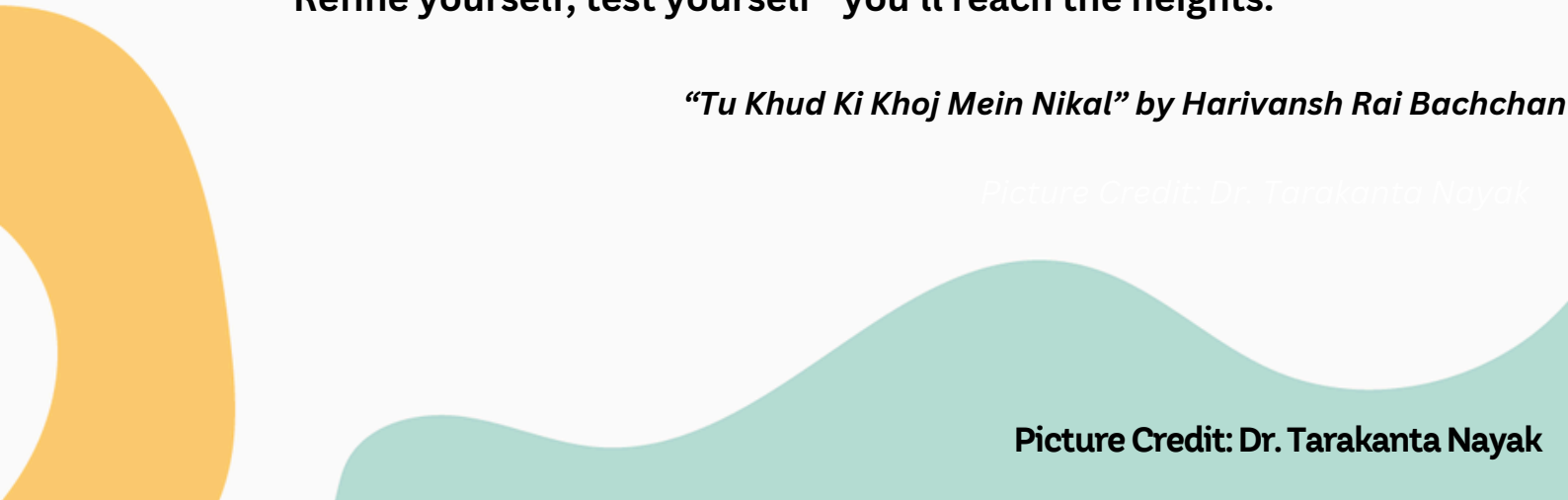
तू खुद की खोज में निकल, तू किस लिए हताश है।
तू चल, तेरे वजूद की समय को भी तलाश है।
आसमान भी सर उठाएगा, जब तू पूरी कोशिश में लग जाएगा।
खुद को परख, खुद को तराश, तू ऊँचाइयों को छू जाएगा।



**Embark on the journey to discover yourself; why are you disheartened?
Move forward, for even time seeks the value of your existence.
The sky will lift its head high when you strive with all your might.
Refine yourself, test yourself—you'll reach the heights.**

“Tu Khud Ki Khoj Mein Nikal” by Harivansh Rai Bachchan

Picture Credit: Dr. Tarakanta Nayak



Picture Credit: Dr. Tarakanta Nayak