ALMA COMMUNIQUÉ

Alumni Newsletter (Mar '23)

Institute Updates

1. The Indian Institute of Technology (BHU) and the University of Buffalo have partnered to set up a joint research centre for material sciences and related technologies. During the visit of an eight-member team from the University of Buffalo, the two sides shared information on their ongoing research efforts and signed an MoU to collaborate in key areas of research, academic, scientific training and cultural exchange. A unit of IIT (BHU)-UB center will also be established at the University of Buffalo to facilitate the researchers of their side.

2. On 24th March, 2023, Hon'ble Prime Minister, Sh. Narendra Modi laid the Foundation Stone of the Centre of Excellence (CoE) on Machine Tools Design, supported by the Ministry of Heavy Industries (MHI) and HMT Machine Tools Limited. In December 2022, an MoU was exchanged between the MHI and IIT (BHU) for setting up this CoE under the MHI scheme for Enhancement of Competitiveness in Indian Capital Goods Sector Phase II. The CoE would be a significant asset for creating high-efficiency and reliable machine tools, and in pushing forth the 'Make In India' initiative.

3. IIT (BHU) successfully hosted a two-day event 'UDAAN' on 29th and 30th March, 2023 to promote innovation in drone-based technology. Eight teams qualified for the finals from a total of 25 based on their innovation and applicability of the design. The drone system developed by IIT (BHU) solves the problem of communication gap faced by the existing technologies. The system uses an advanced algorithm to find the correct location of the drone.

4. The Interdisciplinary Data Analytics and Predictive Technologies (I-DAPT) Hub foundation under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) at IIT (BHU) organized a short-term course program on Computer-Aided Drug Design and Structural Bioinformatics 2023 (CADDSB-2023) from 13th to 17th March, 2023. The event witnessed a participation of 80 experts from all over India, and would undoubtedly prove to be helpful for those in the domain of machine learning-enabled computational biology.

Alumni Registrations

The alumni can now connect with their fellow batchmates by registering themselves on the official alumni portal created by the office of Dean (Resource & Alumni Affairs). Registering on the portal will keep the alumni updated about the various developments taking place at their beloved Institute.

Click/Scan QR code

Alumni Giving Back Portal

IIT (BHU) has witnessed rapid growth in the past years, facilitated by kind donations from our alumni. Realizing the importance of this support, the Institute has its dedicated giving back portal, where Indian alumni may contribute to the progress of their alma mater as per their choice.

All donations by the Indian Alumni to IIT (BHU) are exempted from U/S 80G of the I-Tax Act of the Government of India. NRI Alumni may contribute to a different bank account per the information on the portal.

Click/Scan QR code

Internship/Placement Updates

As of 8th April, 2023, the Institute received 1245 offers, including 37 international offers. The highest package received this year is Rs. 1,20,00,000/- per annum, and the average package for this year is Rs. 22,15,480/- per annum.

The offers received were from various reputed firms like Sprinklr, JP Morgan Chase & Co., Accenture Japan Ltd., Navi, Confluent, AQR Capital, Microsoft, Mudrex, Oracle, Squarepoint, App Dynamics, Airbnb, Media.net, Qualcomm, Irage, Texas Instruments, Walmart, Pine Labs, Reliance, Tata Steel, Adobe, Nvidia, P&G, Flipkart, Salesforce, Disney, Citrix, DE Shaw, Cisco, Amazon, Google and many more.

Research and Development

It has always been an objective of the Institute to encourage students to explore the field of research, and take up projects for further development in various subjects.

March proved to be another great month for the Research and Development culture of IIT (BHU), as the Institute signed an MoU with the University of Buffalo (UB), the State University of New York for a time duration of 5 years.

The count of projects approved was 17, with a total funding of Rs. 4,26,90,510 from sources like SERB, I-DAPT, IIT (BHU), Ministry of Mines, DST, CST-UP, UPSCST. An amount of Rs. 1,20,64,270 was funded for 95 consulting/testing projects. Also, a total of 4 patents were filed in this month and 4 granted as well.

Faculty	Department / School	Filing Date
Mr. Abhay Narayan Singh, Dr. Chandana Rath, Dr. Preetam Singh	School of Material Science and Technology, Department of Ceramic Engineering	06-03-2023
Pragyanand Prajapati, Akhilesh Kumar Singh	School of Material Science and Technology	21-03-2023
Prof. Jahar Sarkar, Shivam Tiwari, Prof Pralay Maiti, Jay Prakash Bijarniya	Department of Mechanical Engineering and School of Material Science and Technology	23-03-2023
Dr. Sanjeev Kumar Mahto, Ajay Kumar Sahi, Shravanya Gundu, Neelima Varshney	School of Biomedical Engineering	30-03-2023

Details of Patents Filed in March

Title	Filing Date	Granting Date
Hopper with Repulsion Tubes	13-03-2019	02-03-2023
Material for Fater Bone Healing	02-04-2019	10-03-2023
A Process to Produce High Energy Strontium Based Permanent Magnet and A Product Thereof.	13-03-2019	02-03-2023
Green Method for Fast Reduction of Graphene Oxide	02-04-2019	10-03-2023

Details of Patents Granted in March

Innovation

The Agri-peneurship Orientation Program was organized at IIT (BHU) for COHORT-5 of R-ABI startups from 3rd January to 10th February, 2023. The month-long event benefited 24 startups and agri-preneurs from various domains, including waste to wealth, farm machinery, food processing, precision farming, agri supply-chain, etc.

Startups of I-3 Foundation, IIT (BHU), Varanasi participated in UP Global Investors Summit conducted from 10th to 12th February, 2023. A two-day sensitization program on 'Organic farming and Sustainable Agriculture' for women-led Agri-preneurs was also organized on 9th and 10th February. Moreover, Dr. Saravanan Raj, Director (Agriculture Extension & CEO, Centre for Innovation and Agri-preneurship), National Institute of Agricultural Extension Management (MANAGE), Hyderabad visited the I-3 Foundation, IIT (BHU), Varanasi.

Faculty Achievements

Dr. Aditya Kumar Padhi, Assistant Professor at the School of Biochemical Engineering has been selected for the 'Alexander Fleming Young Scientists Award' for the year 2023 by the Biofootprints Society housed at AIIMS, New Delhi, India. This award recognizes outstanding young researchers and innovators across India. The Biofootprints society aims to advance science through a forum that promotes communication, cooperation, and collaboration among researchers.

Media Section

IIT (BHU) and the University of Buffalo to set up joint research centre

IIT (BHU) ranks Third at Drone based Technology event

Events @ IIT (BHU)

Technex

The 84th edition of **Technex**, the annual techno-management fest of IIT (BHU), Varanasi was organized from 17th to 19th March, 2023. Inaugurated by our Director, Sh. Pramod Kumar Jain, the event commenced with an insightful session by Dr. Hari Babu Shrivastava, Director General of DRDO.

Day 1 left the audience amazed as Technex'23 witnessed exhibitions by the Army, Banaras Locomotive Works and Indro Robot 5.0. Events such as drone flying and Robowars were held too. The thrill ensued with juggling shows, wall painting and hand reading activities.

The think talk session on Day 2 witnessed Sh. Nitin Vijay Sir (CER '07), the founder of Motion Education, where he inspired students through stories of his college days. The day also welcomed Dr. Shankar K Pal, Chairman of ISI for an informative session. Second day of Technex ended on high note due to the magnanimous presence of Mr. Ashneer Grover, founder of two unicorns and author of 'Doglapan'.

It was none other than Mr. Gaurav Choudhary aka Technical Guruji, the most famous Tech Youtuber in India, who captivated all with his technical insights on the final day. Technex ended with a dazzling laser light show in the ADV grounds, leaving everyone in awe.

Aagman

The Cultural Council successfully conducted **Aagman '22** from 25th to 26th March, the ultimate showcase of talent and fight for dominance amongst freshers. First year students from different branches competed in various cultural events to bring glory to their department.

The two day event saw freshers clash in a wide range of artforms from literary to theatre, fine arts to quizzes and dance to Indian & Western Music. For the first time in our college history, a fashion competition was also conducted. The event was graced by the presence of our respected counsellor, Prof. Amitesh Kumar, Prof. Pratik Chattopadhyay and Prof. Abhas Sir.
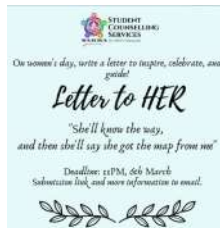
Winners were awarded with shining trophies followed by the felicitation of our honourable guest, Dr. Rajesh Kumar, Associate Dean (Student Affairs) and the Council POR holders for their commendable work throughout the tenure. It was after an intense showdown that the 'Mining Department' managed to become the overall branch champion of Aagman'22.

Student Updates

At the **Social Service Council (SSC)**, the Kashi Utkarsh club organized its regular meets and visits to the 3 *bastis*. SSC is currently guiding students in the *Kakarmatta* and *Lahartara basti* for Navodaya preparation. The Social Projects Club began with the preparation of MIT Solve-1 and planned to involve freshers in projects related to 'Abhipraya' problem statements. The global competition invites students to develop and propose innovative solutions to challenges in areas of sustainability, healthcare, education, and more.

The **Student Counseling Services**, on Women's Day started the 'Letter to Her' initiative, where everyone expressed gratitude to the women present in their lives. A conversation led by experts on lifestyle and health was held by the council, in collaboration with WellM. The 'Content 101 Mentorship Program' was started, aimed at improving one's content writing skills. The International Exchange Council conducted a 'Panel Discussion on the Research Pathway', consisting of five final-year students from diverse departments.

Alumni Updates

Student Alumni Interaction Cell (SAIC)

SAIC continues to receive an enthusiastic response for its one-on-one Student Alumni Mentorship Programme, wherein 200+ mentees and 150+ mentors provided excellent feedback and stated their interaction constructive. Under the same, compilation of comprehensive roadmaps for first year students is under process.

SAIC conducted an intriguing talk by Dr. A. S. Prasad, General Manager at Vertiv India, who showcased the relevance and significance of Data Centres as the new age goldmine. Furthermore, the cell had Sh. Amit Agarwal (CHE '98) for an insightful session on 'Micro excellence in Life, Business and Productivity' based on his book 'Small is Big'.

The month saw great progress as offline classes were resumed for subject MME-306 under the Alumni Visiting Faculty Programme. Also, the launch of Cohort 1 for the #IamRemarkable initiative was done successfully, with almost 300 people mentored.

Alumni Achievements

Dr. Deep Jariwala (MET '10) is currently serving as an Assistant Professor of Electrical and Systems Engineering at the University of Pennsylvania. In recognition of his outstanding research mentorship of the undergraduate students at the University of Pennsylvania, he was recently awarded the Undergraduate Research Mentoring Award. Dr. Deep Jariwala is the first faculty member at the University to receive this award.
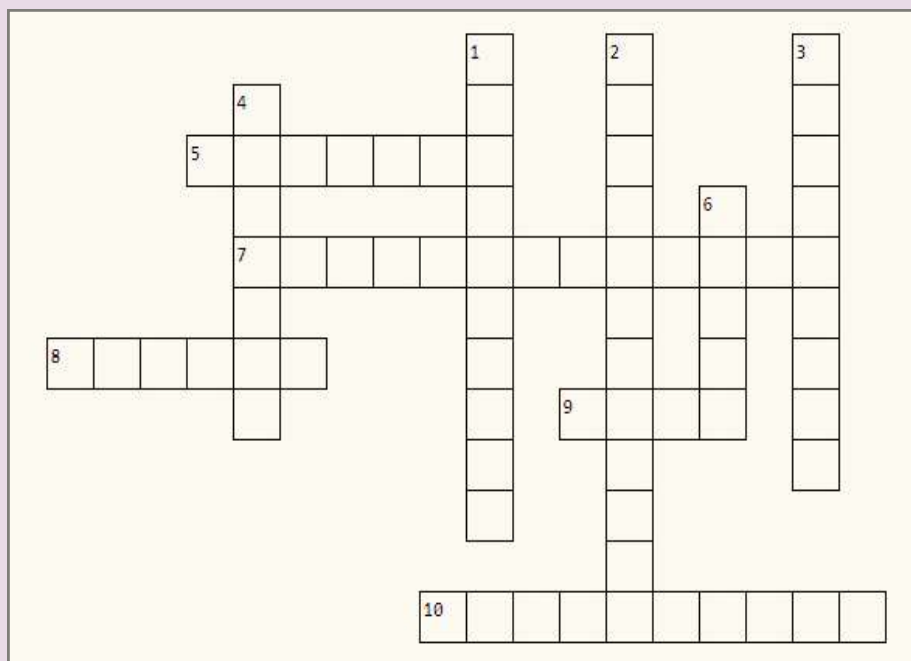
Dr. Shweta Singh (CHE '06), an Associate Professor of Agricultural and Biological Engineering at Purdue University, Indiana, bags another accolade to her name. Dr. Singh received the '2023 Early-Career Engineer' award from the National Academy of Engineering. She is among 83 honorees that were selected from industry, academia and national labs across the United States of America.

Tag-a-cross

What if the remarkable memories of the life at IIT (BHU), Varanasi were brands? What would their tag-lines be? We came up with a few, let's see if you can identify these brands from their tag-lines.

To solve the crossword, visit : Tag-a-cross

DOWN

1. Sunrise and sunset ritual, captured from the boats and ghats

2. It's not just the chai, samose or juice stall, but the harmony of chit-chats, meets and interactions that makes it all

3. Suits, ties and sweaty palms - the first official joining letter out of that tough interview that makes the whole journey better

4. From think-talks to exhibitions, ideas to competitions - the convergence of tech and management all at once

6. A cold beverage with warm memories, at the body-builder's place to relieve all your worries

ACROSS

5. When experience meets innocence - nostalgia, friends and journeys

7. The Nawabi gate to appetizing snacks

8. Home, far from home

9. Colours and smiles in the campus; leaving torn shirts on trees, taking away memories

10. No strict domain, no prior experience and no degree but your first real-world experience while still in college

Solution to the crossword

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