



Alma Communiqué

Alumni Newsletter (Sep '24)

Institute Updates



1. On the occasion of 'Research and Innovation Day 2024', three Memoranda of Understanding were signed between IIT (BHU), Varanasi, and the Banaras Hindu University for greater research and academic excellence. The first one was penned for the centralization of access to all the advanced laboratories both institutes have, and the second one was inked in the promise of shared resources, both in print and digital, to enhance the learning class and assure genuity. The third MoU was an accord to advance joint research initiatives, including collaborative project proposals, co-guidance for Ph.D. scholars, and short-term research opportunities.



2. IIT (BHU), Varanasi, celebrated 'National Teacher's Day' as 'Research and Innovation Day,' recognizing the contributions of various faculty members. Seven of them were honored at the event with the prestigious Best Teachers Award for 2023 and 2024 across four categories, presented by Prof. Amit Patra, Director, IIT (BHU), Chief Guest Prof. Rajeev Sangal, and Guest of Honor, Prof. M. Vidyasagar. This event concluded with the inauguration of the 'Poster Pavilion,' highlighting the Institute's latest research and commitment to innovation.



3. IIT (BHU), Varanasi, hosted the two-day Ved Vijnana Vimarsh (VVV-2024) conference from 21 to 22 September 2024. Scholars discussed integrating Vedic wisdom with modern science. Prof. V.R. Desai, Director of IIT Dharwad, highlighted climate resilience through afforestation, while Prof. Anoop Kumar discussed about Bhartiya Jurisprudence. The event also featured an insightful panel discussion and concluded with a felicitation ceremony for all the dignitaries, alongside a prize distribution for all the poster presentation competition winners.



4. As a matter of great pride, 43 faculty members from IIT (BHU), Varanasi, were ranked among the top 2% of scientists worldwide, according to the latest rankings released by Stanford University. In recognition of this extraordinary achievement, a felicitation ceremony was held on campus, where Prof. Amit Patra, Director, IIT (BHU), remarked that this feat is a testament to the individual excellence of the faculty members and highlights the Institution's strong commitment to promoting research and academic innovation.



Connect back with your Alma Mater

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). It will keep the alumni updated about the various developments in the Institute.



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Internship/Placement Updates

The Training and Placement Cell, IIT (BHU), worked relentlessly to conduct the internship season for the academic session 2024-25. The highest internship stipend reached Rs. 5,00,000 PM, with the average stipend at Rs. 1,24,690 PM. Top recruiters include Goldman Sachs, APT Portfolio, Alphagrep, Rubrik, D.E. Shaw, Quadeye, ITC, Sprinklr, Uber, Google, HUL, Microsoft, AQR Capital, JPMC, American Express, etc. Further, students have received a total of 249 PPOs and 384 internship offers till 3 October 2024. The highest offered CTC among the PPOs stood at 90 LPA, with the average package reaching Rs. 32,78,766 per annum.

Research and Development

Between 1 September 2024 and 30 September 2024, thirteen patents were filed, ten were published, and one was granted. Furthermore, a technology transfer happened for 'Biodegradable bamboo based drinking straws and their method of preparation', led by Dr. Prodyut Dhar. Assistant Professor at the Department of Biochemical Engineering.

Patents filed in September

Faculty	Department/School	Filing Date
Dr. Hari Prabhat Gupta, Mansi Bhavikbhai Dodiya	Department of Computer Science & Engineering	02/09/2024
Mr. Ravi Saini, Ms. Sonali Kumari, Prof. Abha Mishra	Department of Biochemical Engineering	08/09/2024
Dr. Ashish Kumar Mishra, Priyanka Jangra	School of Material Science and Technology	08/09/2024
Dr. Sudip Mukherjee, Malay Nayak	School of Biomedical Engineering	08/09/2024
Shivam Verma, Roopesh Singh	Department of Electronics Engineering	12/09/2024
Sushil Kumar Singh, Ashok Kumar, Nilesh Gajanan Bajad	Department of Pharmaceutical Engineering and Technology	13/09/2024
Dr. Bhola Nath Pandey, Utkarsh Pande	School of Material Science and Technology	16/09/2024
Kaustubh Naik, Shikha Tripathi, Dr. Avanish Singh Parmar	Department of Physics	21/09/2024
Dr. Ashish Kumar Mishra, Antima Pandey	School of Material Science and Technology	23/09/2024
Dr. G. S. Mahobia, Biswajit Mishra	Department of Metallurgical Engineering	30/09/2024
Dr. Ashish Kumar Mishra, Jay Deep Gupta	School of Material Science and Technology	30/09/2024
Dr. Ruchi Chawla, Jatin	Department of Pharmaceutical Engineering and Technology	30/09/2024
Dr. Samya Banerjee, Mr. Ashish Kumar Yadav, Mr. Arif Ali Mandal, Mr. Rajesh Kushwaha, Mr. Apurba Mandal	Department of Chemistry	30/09/2024

Patents published in September

Title	Filing Date	Publication Date
A nano-formulation for management of lung cancer and a method of preparation thereof	29/11/2023	13/09/2024
A nano-formulation and a method of preparation thereof	31/07/2023	20/09/2024
A film for daylight radiative cooling and a method of preparation thereof	22/11/2023	13/09/2024
A bio-recognition element-based nano-sensor and a method of fabrication thereof	08/01/2024	13/09/2024
An electrolyzer for electrochemical water splitting	24/01/2024	13/09/2024
A method of preparing a 3D printing metallic ink and a product thereof	29/02/2024	13/09/2024
A direct borohydride fuel cell and a method of preparation thereof	29/02/2024	13/09/2024
A composite system for waste management	29/12/2023	13/09/2024
A portable curb-drowning monitoring system	27/12/2023	13/09/2024
A heterocyclic substituted dicarbonyl compound and a method of synthesis thereof	28/11/2023	13/09/2024

Patents granted in September

Title	Filing Date	Granting Date
Method for fabricating a gas sensor by developing thin solid polymeric film	10/02/2020	13/09/2024

A total of 48 testing and consultancy projects were undertaken this month, securing a funding of Rs. 2,90,45,701. Furthermore, three projects were officially sanctioned, with Rs. 10,20,69,810 allocated for their execution.

Projects sanctioned in September

Title of Project	Department/School	Name of Funding Agency	Total cost of Project in Rs.
Demonstration of room-temperature electroluminescence from two-dimensional Semiconductor - Metal hybrid structures, towards the realization of nano-lasers	Electronics Engineering	SERB	31,42,810
Design of S- and X- Band High Power Microwave Source - Relativistic Backward Wave Oscillator (RBWO)	Electronics Engineering	DRDO	9,87,19,000
Exploring prospects of shared e-micro mobility in Rural India	Civil Engineering	THINK	2,08,000

Furthermore, between 1 September 2024 and 30 September 2024, a total of 2 MoUs were signed for international collaboration with the University of Copenhagen, Denmark and Trumio Inc., USA

List of International Collaborations in September

Agency	MoU Coordinator Name	Signing Date	MoU Tenure
University of Copenhagen, Denmark	Initiated by Dr. Shishir Gaur, Department of Civil Engineering	14,09,2024 (effective from 01.04,2024)	05 yrs
Trumio Inc., USA	Initiated by Prof. Sushant Kr Srivastava, Department of Pharmaceutical Engineering & Technology	27,09,2024	03 yrs

Media Section



Conference on Ved Vijnana Vimarsh (VVV-2024) conducted at IIT (BHU), Varanasi



3 MoUs signed between IIT (BHU) and the Banaras Hindu University

Upcoming Events

- 18 to 20 October 2024** Spardha '24
- 28 October 2024** 13th Convocation Ceremony
- 17 to 19 January 2025** Kashiyyatra '25

Student Updates



E-Cell IIT BHU hosted the Techstars Startup Weekend Varanasi 2024 from 20 to 22 September 2024, witnessing over 125 participants. The event highlighted innovative solutions, with Medi-Quip winning for their healthcare innovation, guided by five judges and twelve mentors. Further, the E-Mentorship program continues to engage first-year students, helping them dive into the realm of entrepreneurship by regularly providing them with the required guidance.

At the Film and Media Council, the Media Club bagged 2 nominations in the India Film Project (IFP) and conducted the Christie Crim-e-son Challenge on Unstop. The Photography Club also bagged 1 nomination in IFP and organized a workshop on camera handling. The Outreach Club released the fresher's introduction video. Further, the Cine Club and Design Club organized competitions based on 'Swachata' on the occasion of Gandhi Jayanti.



At the Social Service Council, the Sahyog club launched Udaan, a sports event where 300+ students from government schools in Tikari, Aditya Nagar, and Sunderpur participated actively. Further, the club organized Daan Utsav with the objective of giving joy to the *basti* children by conducting fun activities, teaching skills, and providing them with books and stationery. The Kashi Utkarsh club is planning to organize a medical camp for the hostel mess workers, offering them health checkups and distributing basic medicines.

At the Student Counselling Services, the Career Council launched its initiative Career Compass, in collaboration with the Induction Mentorship Program. The International Exchange Council launched its foreign internship database portal providing valuable insights into academic opportunities



and foreign research internships. The Skill Development Council conducted interview-style group discussions for final-year students preparing for placements. Further, the Academics Council organized Remedial Classes offering freshers with senior mentorship ahead of their mid-semester exams. Also, the Wellness Council celebrated National Teacher's Day through its initiative HeartOut, where students wrote personalized messages to their teachers.

Events @ IIT (BHU)



Aagman'24, the intra-freshers cultural competition, was organized from 20 to 22 September 2024, featuring numerous activities where students showcased their talent and creativity. The competitions included quizzes, dramatics, music, dance, fashion shows, and fine arts, creating an electric atmosphere with over 800 participants. Prof. R.K. Upadhyay, Chairman, Council of Wardens, graced the event as the Guest of Honor. The event left a lasting impression, inspiring first-year students to pursue their artistic dreams and build healthy friendships.

IIT (BHU) Trip to USA

A team from IIT (BHU), Varanasi, led by the Director and comprising two deans had visited USA in the month of September to meet alumni at several places, and explore faculty recruitment as well as collaborations with leading Universities. Watch out for the complete story in the next issue of the newsletter!

Alumni Updates

Student Alumni Interaction Cell

SAIC commenced with registrations for the placement drive of its highly anticipated Alumni-Guided Mock Interviews initiative. The cell also collaborated with the Literary Club, IIT (BHU), on the occasion of Hindi Diwas to organize a session on the 'Present Status of Hindi Language,' featuring Sh. Masoom Raza (PHE '19) and Sh. Siddharth Shukla (CER '21).



Alumni-Guided Mock Interviews

SAIC is back with the placement drive of the Alumni-Guided Mock Interviews initiative to aid students sail through this placement season.

Register as an Interviewer

Inviting alumni to register as an interviewer, share your invaluable expertise, and provide students with personalized feedback to help the Institute achieve new heights.



Click/Scan QR code to register

Alumni Achievements



Sh. Deep Jariwala (MET '10), Associate Professor at the Department of Electrical and Systems Engineering, University of Pennsylvania, has been awarded the Adolf Lomb Medal of Optica at the FIO LS 2024 conference in Denver, Colorado. The Lomb Medal, hailing since 1940, is presented to a personage who has made a

remarkable contribution to optics in their embarkment stage. His exceptional enthusiasm for material engineering was conferred for his beneficial contributions to the field of nano optics, particularly in the study of low dimensional semiconductors. His innovative work in developing excitonic metamaterials has been groundbreaking, illuminating new pathways and diverse possibilities.

Alumni Giving Back Portal

IIT (BHU) has experienced rapid growth in recent years, supported by generous donations from our alumni. To facilitate this support, the Institute has established a dedicated portal where Indian alumni can contribute to their alma mater's progress, as per their preferences.

All donations by the Indian Alumni to IIT (BHU), Varanasi 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, as detailed on the giving back portal.



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FOLLOW



Nikesh Arora: The Tech Visionary

Introducing Mr. Nikesh Arora (EEE '89), a distinguished alumnus of IIT (BHU), Varanasi, and the dynamic CEO of Palo Alto Networks!

Palo Alto Networks is a global cybersecurity platform that provides network security, cloud security, endpoint protection, and various cloud-delivered security.

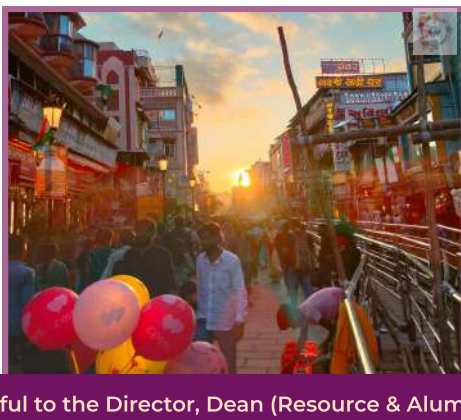
In 2023, he was ranked as the second-highest-paid CEO in the U.S., surpassing digital titans like Sundar Pichai and Mark Zuckerberg. Under his visionary leadership, Palo Alto Networks continues to achieve new heights.

Mr. Nikesh Arora's success resonates deeply, reminding us that hard work, dedication, and a clear vision can pave the way for extraordinary accomplishments.



"Stay focused on effectively solving customer's problems. The money will come."

— The Immaculate Vibes of Banaras —



SAIC is grateful to the Director, Dean (Resource & Alumni), Alumni Associations, and the entire IIT (BHU) fraternity for their constant support and blessings. We look forward to your valuable feedback. To share information for future editions, reach us at alumni@iitbhu.ac.in.

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