



CELEBRATING CENTENARY



STUDENT ALUMNI INTERACTION CELL, IIT (BHU), VARANASI

# ALMA COMMUNIQUÉ

Alumni Newsletter (Feb '25)



## Institute Updates



1. IIT (BHU), Varanasi, proudly introduced new faculty leaders to shape the future of the Institute. Hon'ble Director Prof. Amit Patra appointed key positions, including various Deans and Heads of Departments. Prof. Nilay Krishna Mukhopadhyay was appointed as the new Dean (Faculty Affairs), Prof. Rajesh Kumar as Dean (Research & Development), and Prof. Devendra Singh as Dean (Academic Affairs). With these newly appointed Deans and Heads, IIT (BHU) reaffirms its commitment to academic excellence and innovation.



2. Welcoming the latest batch of Ph.D. students, the Institute conducted *Deekshaarambh*: Orientation and Induction Programme on 11 January 2025, in collaboration with the Student Counselling Services (SCS), including enriching academic sessions and vibrant cultural notions, to embrace a warm welcome for the entrants and prepare them for their academic chapter. The event consisted of words of wisdom from Hon'ble Director, Prof. Amit Patra, Dean (Academic Affairs), Dean (Resource and Alumni), and other dignitaries, igniting a fiery spirit in the voyagers.



3. Team AVERERA from IIT (BHU), Varanasi, won the Carbon Footprint Reduction and the Technical Innovation awards at the Shell Eco-Marathon 2025, held at the Lusail International Circuit, Doha. Competing in the Urban-Concept Battery Electric category, the team's vehicle featured a 25 kg Carbon Fiber Monocoque, high-performance BLDC motors, and an in-house-developed Motor Controller with an efficiency of 93.33 %, which achieved an impressive efficiency of 83 km/kWh, showcasing its advanced technology and sustainable design. Their success strengthens the reputation of the Institute, reinforcing its commitment to innovation, sustainability, and excellence in engineering.



4. IIT (BHU), Varanasi, organized a Synchrotron X-ray User Outreach Workshop from 25 to 26 February 2025 at Swatantrata Bhavan, bringing together top scientists and researchers to explore the PETRA III synchrotron facilities at DESY, Germany. The Institute organized the event in collaboration with DST and JNCASR, with support from NAMD, to strengthen India's research capabilities and global collaborations. Distinguished speakers, including Dr. Subhas Sarkar, Former Union Minister of State for Education, and Prof. Amit Patra, Director, IIT (BHU), Varanasi, highlighted the significance of international partnerships in advancing scientific research. With over 700 registrations and 100 selected participants from 17 states, the workshop marked a key step in expanding access to cutting-edge synchrotron techniques.



5. IIT (BHU), Varanasi, hosted a prestigious Kavi Sammelan on 27 February 2025 under the chairmanship of the Hon'ble Director, Prof. Amit Patra. Organized by the Rajbhasha Cell, the event promoted Hindi literature and inspired young minds. Renowned poets, including Shri Charag Sharma, Ms. Sakshi Tiwari, and Dr. Tishya Shri, captivated the audience with their eloquent and thought-provoking verses. Prof. Patra also presented a Bengali song translated into Hindi. The Hon'ble Director and Registrar, Sh. Rajan Srivastava, honored the poets.

## Internship/Placement Updates

Through the relentless efforts of the students, the number of placement offers stands at an impressive 1177 (including PPOs) and 445 Internship Offers as of 1 March 2025. The highest internship stipend reached Rs. 5,00,000 per month, with the average stipend at Rs. 1,24,690 per month. Top recruiters include Goldman Sachs, APT Portfolio, Alphagrep, Rubrik, D.E. Shaw, Quadeye, ITC, JPMC, Sprinklr, Uber, Google, HUL, Microsoft, AQR Capital, JPMC, Oracle, Intuit, American Express, Axxela, Nvidia, Cohesity, data bricks, Eightfold, Devrev, Zepto, Adobe, Nirvana, to name a few.

The highest offered CTC stood at an impressive rate of Rs. 2.20 crores, with the average package attaining a commendable figure of Rs. 22,79,680 per annum. The top industry recruiters for this year's drive were Oracle, Intuit, Fidelity, JLR, AQR CAPITAL, Decimal Point, Schrodinger, Atria, Axxela, Microsoft, Rubrik, Flipkart, Nvidia, Standard Chartered, Nation with Namu, Visa, Uber, Mastercard, Future first, Axis bank, Clean Electric, Mykaarma, SLB, Sciforn, Kotak cherry, wells fargo, American Express, Cohesity, Salesforce, Meesho, Inmobi, Myntra, Piramal, Mckinesey, Flipkart, EANZ bank, Decimal Point Analytics, and many more.

## Research and Development

Between 1 February 2025 and 28 February 2025, ten patents were filed, and four were granted. Progress in research continues to drive new developments.

### Patents granted in February

Title	Filing Date	Granting Date
An upconverting platform for Arsenite detection in water samples and a method of preparation thereof	30/04/2019	03/02/2025
A Colloidal Quantum Dots (QDS) based ion sensitive field effect transistor	03/12/2019	11/02/2025
Three Electrode System for inactivation of bacterial cells	09/04/2020	28/02/2025
An ultra-sparse Matrix convertor with auxiliary shoot-through switches	12/09/2023	28/02/2025

### Patents filed in February

Name of Faculty	Department/School	Filing Date
Dr. M. S. Muthu, Mr. Abhisheh Kumar Mehata, Dr. Manoj Kumar, Mr. Aseem Setia	Department of Pharmaceutical Engineering & Technology	02/02/2025
Dr. Rakesh Kumar Singh, Prateek Agrawal	Department of Physics	06/02/2025
Dr. Samya Banerjee, Dr. Prodyut Dhar, Apurba Mandal, Rohit Rai, Arif Ali Mandal	School of Biochemical Engineering and Department of Chemistry	06/02/2025
Prof. Sanjay Kumar Singh, Dr. Prasenjit Chanak, Ravi Shankar Singh	Department of Computer Science & Engineering	11/02/2025
Dr. Vishal Mishra, Shiwangi Keasrani, Sidhartha Gupta	Department of Biochemical Engineering	12/02/2025
Dr. Subrata Panda, Mukta Rajotia, Dr. Sudip Mukherjee, Pragya	School of Biomedical Engineering and Department of Ceramic Engineering	17/02/2025
Dr. Sudip Mukherjee, Devyani Yenurkar, Dr. Arnab Sarkar	School of Biomedical Engineering	17/02/2025
Dr. Manisha Malviya	Department of Chemistry	24/02/2025
Dr. Vinod Tiwari, Somesh Agrawal, Ankit Uniyal, Akhilesh	Department of Pharmaceutical Engineering & Technology	27/02/2025
Prof. Santosh K Singh, Saprativ Saha, Naresh K Pilli, Nandini Jain	Department of Electrical Engineering	28/02/2025

A total of 393 testing and consultancy projects were undertaken this month, securing a total funding of Rs. 5,25,07,963. Additionally, 7 projects were officially sanctioned, with a cumulative funding of Rs. 5,02,37,540.

### Projects sanctioned in February

Title of Project	Name of Funding agency	Period of the Project Sanction	Total cost of Project in Rs.
Review of Randomization in Online Card Games	GAMEKRAFT	03 months	15,00,000
Herbominerals - Preparation, characterization and activity studies of herbo-mineral formulation from Siddha and Ayurveda (With particular focus on Pb) aimed as preservation of Indian cultural heritage	ADANI	05 years	1,05,00,000
To detect the speckle reflected at source end and develop methodology for adaptive optics control	ICSSR	03 years	6,66,000
To detect the speckle reflected at source end and develop methodology for adaptive optics control	DRDO	03 years	2,76,13,300
Development of nanostructured graphene oxide/polydopamine coated nanobiosensor monitoring GPC1 for the early diagnosis of pancreatic cancer	ICMR	03 years	39,64,648
Electric Bus Charging and Operations Optimization	TI LLP	03 years	21,24,000
Rational design, synthesis and evaluation of novel nitrogen-bearing heterocyclic hybrids as allosteric SH-2 domain-containing protein tyrosine phosphatase-2 inhibitors for cancer therapy	ICMR	1 year 6 months	38,69,592

## Media Section



E-Summit'25 held at IIT (BHU)



IIT (BHU) organized the Synchrotron X-ray User Outreach Workshop

## Innovation

### Team AVERERA



Team AVERERA from IIT (BHU) achieved a major milestone at the Shell Eco-Marathon 2025, held at Lusail International Circuit, Doha. Competing in the Urban-Concept Battery Electric category, they won the Carbon Footprint Reduction and the Technical Innovation awards. They emerged as the best team in the Asia-Pacific and Middle East region, standing out among 60 teams across 15 countries. The team's vehicle features a 25 kg Carbon Fiber Monocoque, high-performance BLDC motors, and an in-house Motor Controller with 93.33% efficiency.

### Ideation Innovation & Incubation Foundation (I-3F)

The I-3 Foundation at IIT (BHU), Varanasi, organized the 'Start-up Insights' event on 8 February 2025 at ABLT-4. The event featured Dr. Shirish Sathaye (ECE '84), General Partner at Cervin Ventures, as the Chief Guest and Keynote Speaker, with the Hon'ble Director, Prof. Amit Patra, serving as the Guest of Honor.



Prof. Pradeep Chintagunta from the University of Chicago delivered an informative session on 'All Products Need Markets and Marketing', while Dr. Sathaye discussed 'The Entrepreneur Mindset: Raising Capital, Building, and Scaling Global Companies'. Additionally, an IIT (BHU) start-up, M/s Navariti Innovation Pvt. Ltd., recently participated in 'InvenTiv 2025' at IIT Madras from 28 February to 1 March 2025.

## Faculty Achievements

Prof. N.K. Mukhopadhyay, Professor at the Department of Metallurgical Engineering, and Prof. Santwana Mukhopadhyay, Professor at the Department of Mathematical Sciences, were invited by the Government of India to attend the 76th Republic Day Parade in New Delhi on 26 January 2025. They also had the opportunity to engage with the Minister of Commerce. Joining them were Institute's esteemed alumni, Sh. Shubham Paliwal (ECE '13) and Ms. Tushita Goyal (CHE '14), who also participated in the discussions.



## Student Updates



E-Cell IIT (BHU) organized the IIT (BHU) Seed Fund session under the aegis of Dr. Manoj Kumar Meshram, Professor at the Department of Electronics Engineering. The session was coordinated by Sh. Avi Dutt (MIN '11), Head of the IIT (BHU) Seed Fund, focusing on funding opportunities for students and faculty in the entrepreneurial sector. A \$30,000 grant for deep-tech startups was announced, further reinforcing IIT (BHU)'s strong support for innovation and early-stage ventures. The session also highlighted the long-term vision of the Institute for fostering a strong startup ecosystem.

At the Social Service Council, the Sahyog Club hosted a Gram Sabha at Tikri School, educating students on scholarships, government schemes, and more. Key highlights included a student-teacher meetup on academic queries, a medical camp on health and hygiene, and a collaboration with the Astronomy Club to introduce students to the wonders of the cosmos.



## Events

### E-Summit '25



E-Summit '25, held by E-Cell IIT (BHU) from 31 January to 2 February 2025, brought together industry leaders, startup founders, and aspiring entrepreneurs. Sponsored by Saras AI, IIT (BHU) Foundation, and SBI, the event featured an inspiring talk by Mr. Ankur Warikoo and an inauguration with Mr. Dhruv Agarwala (CEO,

Housing.com) and Mr. Amit Kataria (COO, Saras AI). Key highlights included a Startup Expo, the Million Dollar Pitch, a VC panel on sustainable investments, a deep tech panel on AI-powered automation, and a fireside chat with Mr. Dharamveer Singh (CEO, Zostel) on scaling disruptive businesses. With 3000+ participants and 20+ speakers, the summit set new benchmarks in innovation and entrepreneurship at IIT (BHU).

### IIT (BHU) Model United Nations

The 13th edition of IITBHU MUN 2025 was conducted successfully from 21 to 23 February with Sh. Vinnie Mehta (EEE '90), Director General at ACMA, as the Chief Guest during the inaugural ceremony. The event received endorsements from H.E. Mr. Sibi George, India's Ambassador to Japan, and H.E. Mr. Ranjit Rae, former Ambassador to Nepal, Vietnam, and Hungary and also the author of 'Kathmandu Dilemma: Resetting India-Nepal Ties'. Delegates, after receiving valuable feedback from EBs, refined their insights and collaborated to draft resolutions addressing various crises. The committees produced innovative and thoughtful solutions. The event achieved its goal of fostering diplomacy, youth leadership, and creating responsible global citizens.



## Alumni Updates

### Student Alumni Interaction Cell



As part of the Beyond The Degree initiative, SAIC organized a session on Quantitative Analysis, led by Sh. Pradhyumn Singh (EEE '16). Currently a Quantitative Analyst at Calamos Investments and former Director at the Stark Foundation, he shared insights on the role of data in decision making across industries and how analytics shape strategies in today's data-driven world.

Under the Alumni Visiting Faculty program, the cell recently conducted offline classes with Sh. Arun Anant (CHE '85) for the course MME-306: Media Environment from 5 to 7 February 2025. Attended by over 180 students, the total of 10 hours of classes included surprise quizzes and role-playing exercises where students assumed the roles of journalists and public figures.



### Student Alumni Mentorship Program

SAIC is elated to continue its Student Alumni Mentorship Program for the year 2025!

#### Register as a Mentor

Guide the current generation of students through the know-hows of the industry by sharing your experiences, and contribute to the enrichment of your alma mater.



Click/Scan QR code to register

### Reunions



The batch of EEE 1990 reunited at the Institute from 21 to 23 February 2025, visiting their department and interacting with faculty, including the current Head of the Department, Prof. Rajeev Kumar Singh. It was followed by an interactive session with the students at G-8, conducted by SAIC in collaboration with Prastuti, IIT (BHU).

The batch also enjoyed a nostalgic dinner at the mess of the renowned Visvesvaraya Hostel, and toured the campus to relive their cherished college days once again.

## Alumni Achievements

Sh. Rajeev Gupta (CHE '93) and Sh. Deepak Agarwal (CHE '95) have authored 'Varanasi Visionaries', a book that showcases the journeys of 30 distinguished alumni of IIT (BHU), Varanasi. The book was officially launched on 28 October 2024, during the 13th Convocation of the Institute, with the Hon'ble Education Minister, Sh. Dharmendra Pradhan, gracing the occasion as the Chief Guest. On 18 January 2025, the book was reintroduced at the PIWOT 2025 event, held in Mumbai. Shri Ashwini Vaishnav, Union Minister of Railways, Information & Broadcasting, and Electronics & IT, took the pan-India platform to relaunch the book. The book is available on Amazon India.



# 106th Foundation Day

IIT (BHU), Varanasi celebrated its 106th Foundation Day on Basant Panchami, honoring its legacy of innovation and tradition. The event highlighted the Institute's achievements in engineering, sustainability, rural development, and healthcare.

Innovative projects in drones, robotics, and automotive technology showcased engineering excellence, while award-winning 3D animations demonstrated creative prowess. Sustainability efforts included the Smart Lab for Clean Rivers, solar panel renewal projects, and the hyper-efficient electric vehicle, SHIVAAY.

Rural development initiatives like Unnat Bharat Abhiyan and the Ram Krishak power tiller reinforced grassroots commitment.

In healthcare, the Institute presented Ayurvedic innovations, biomarker microchips, and nanomedicine research. The I-DAPT Hub and I-3 Foundation foster entrepreneurship and technological advancements. IIT (BHU)'s global recognition includes top rankings in Google Summer of Code and international competitions.



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The Kashi Tamil Sangamam fostered knowledge exchange in culture, agriculture, and technology. Farmers and artisans from Tamil Nadu discussed agriculture and handicrafts, while students explored AI and education's role in innovation. Business professionals and entrepreneurs strengthened trade ties between Uttar Pradesh and Tamil Nadu. A session on startups and research, led by Sh. S.K. Baranwal, Additional Secretary, Ministry of Education, emphasized research-driven reforms.

Banaras Hindu University also hosted a women empowerment session, attended by Hon'ble Governor of Tamil Nadu, Sh. R. N. Ravi. The fest concluded with Hon'ble External Affairs Minister Dr. S. Jaishankar and 45 foreign ambassadors engaging with IIT (BHU) students, thus enhancing global and regional collaboration.



External Affairs Minister Dr. S. Jaishankar, along with foreign ambassadors, interacted with IIT (BHU) students



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 [alumnice11@iitbhu.ac.in](mailto:alumnice11@iitbhu.ac.in).

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## CONNECT WITH US



## NEWSLETTER TEAM, SAIC

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