



CELEBRATING CENTENARY



STUDENT ALUMNI INTERACTION CELL, IIT (BHU), VARANASI

ALMA COMMUNIQUÉ

Alumni Newsletter (Dec '25)



Institute Updates



1. A high-level delegation from the Ministry of Education, Government of India, led by Shri Nitish Suri, Director (IITs), visited IIT (BHU), Varanasi during the Kashi Tamil Sangamam 4.0 celebrations. The delegation met the Hon'ble Director, Prof. Amit Patra, and Registrar, Shri Sumit Kumar Biswas, to discuss academic initiatives, research progress, global collaborations, and institutional development. They also visited major research and innovation facilities, including the Supercomputing Centre, Precision Engineering Hub, and Central Instrumentation Facility. Shri Suri appreciated the Institute's advanced infrastructure and contributions to technology and innovation, and assured continued support from the Ministry of Education.



2. IIT (BHU), Varanasi, has signed a MoU with CG Power and Industrial Solutions Limited to initiate a collaborative programme focused on product development for critical components and protection circuits in SF6 based circuit breakers. This partnership brings together academic research strengths and industrial expertise to address the growing demand for high reliability and high performance solutions in the modern power transmission sector.



3. IIT (BHU), Varanasi inaugurated the Vinod Ghai Centre for E-Waste Management and Recycling, marking a key step towards advancing sustainable technologies. Prof. Amit Patra, Director, IIT (BHU), highlighted the Centre's importance in promoting sustainability, circular economy practices, and national self-reliance in critical materials. Established with philanthropic support from esteemed alumnus Sh. Vinod Ghai (MET '67), the Centre will focus on research, innovation, and skill development in e-waste recycling, critical metal recovery, and indigenous sustainable technologies, contributing to India's green future under Make in India.



4. IIT (BHU), Varanasi, was honored by the City Official Language Implementation Committee (NARACAS), Banaras Rail Locomotive Factory, Varanasi, for its excellent work in the promotion and implementation of Official Language Hindi. This achievement highlights the Institute's consistent efforts guided by Hon'ble Director, Prof. Amit Patra. On this occasion, the shield and citation were received by Registrar Mr. Sumit Kumar Biswas, Deputy Registrar (Official Language) Dr. Amit Kumar Singh, and Senior Translator Mr. Shashank Pathak.



5. The Department of Mathematical Sciences, IIT (BHU), Varanasi, celebrated National Mathematics Day on the 138th birth anniversary of Srinivasa Ramanujan, highlighting the significance of mathematics in academic and research advancement. The programme was attended by the Hon'ble Director, Prof. Amit Patra, and Prof. N. K. Mukhopadhyay, Dean of Faculty Affairs, along with other members of the Institute. On this occasion, the Aryabhata Hall and the newly renovated Computer Lab was inaugurated by Hon'ble Director, Prof. Amit Patra.



6. The IIT (BHU) fraternity proudly commemorates the 164th birth anniversary of Bharat Ratna Mahamana Pt. Madan Mohan Malaviya, the visionary founder whose ideals of education, nationalism, and service continue to guide generations. The Institute pays heartfelt tribute to his legacy that laid the foundation of this esteemed seat of learning in Varanasi, as Mahamana's vision continues to inspire IIT (BHU).

Internship/Placement Updates

The Training and Placement Cell at IIT (BHU), Varanasi, continues to successfully facilitate the placement process for the academic year 2025–26. As of 30 December 2025, a total of 1,117 placement offers (including PPOs) and 446 internship offers have been secured, reflecting strong industry engagement. The highest internship stipend reached Rs. 11,00,000 per month, with the average stipend standing at Rs. 1,18,783 per month. The highest offered PPO stood at Rs. 1,67,00,000 per annum, while the average package attained Rs. 29,25,133 per annum.

The top internship recruiters included Google, Microsoft, Amazon, Uber, Goldman Sachs, JPMC, DE Shaw, Quadeye, Graviton Capital, Rubrik, Databricks, Nvidia, Texas Instruments, Oracle, Adobe, Flipkart, Meesho, ICICI Bank, Wells Fargo, Deutsche Bank, Samsung Delhi, Cisco, Razorpay, Axtia, UBS, Ola, Tata Steel, GE Vernova, Clean Electric, Stealth EdTech, and others. PPOs were extended by leading firms such as Goldman Sachs, DE Shaw, SquarePoint, Uber, Visa, Mastercard, Qualcomm, Salesforce, Oracle, American Express, Deutsche Bank, Walmart, Tech Mahindra, HUL, Ola Electric, Standard Chartered, and others.

Research and Development

With its ongoing R&D efforts, IIT (BHU) is playing a pivotal role in driving impactful contributions to the global research landscape. Between 1 December 2025 and 31 December 2025, a total of 13 patents were filed, and 8 patents were successfully granted. Progress in research continues to drive new developments.

Patents filed in December

Title	Faculty	Filing Date
System and Method for Detecting and Governing Deceptive Design Patterns in Digital Interfaces	Dr. Navin Singh Rajput	02/12/2025
Development of a Hydrogel-Based Adhesive MNP Loaded with Ce–Mg Doped Hydroxyapatite and Their Uses Thereof	Dr. Sudip Mukherjee, Dr. Kundan Kumar, Anjali Upadhyay	16/12/2025
An Integrated Quantum Sensing and Communication System and Method Thereof	Dr. Atul Kumar, Mr. Vikram Singh Thakur	17/12/2025
Multimetal Oxide Material, Its Process of Preparation and Application Thereof	Md. Alam, Mehroosh Fatema, Sandip Chatterjee	18/12/2025
A System for Evaluating Flexural Cracks in a Concrete Bridge and a Method Thereof	Dr. Samim Mustafa, Mr. Abhishek Kumar Srivastava	19/12/2025
Method for Increasing Biogas Production from Lignocellulosic Biomass Using Modified Mesophilic Anaerobic Digestion Parameters	Dr. Abhishek S. Dhoble, Madhumita Priyadarsini	24/12/2025
System and Method for Evaluating Temperature-Related Performance of Asphalt	Prof. Ankit Gupta, Vivek Pratap Wagh	26/12/2025
Process for Production of Nanofibrillated Cellulose	Prof. Y. C. Sharma, Archana Pandey	27/12/2025
A Peer-to-Peer DC Microgrid Energy Trading System	Dr. Avirup Maulik, Dr. Chinmaya K. A., Mr. Alok Kumar	27/12/2025
A Single Input Quasi-Impedance Network Based Multi-Output Hybrid Converter	Prof. Vivek Nandan Lal, Prof. Rajeev Kumar Singh, Pratyush Anshu	27/12/2025
Performance NFF1C2 Nanocomposite Absorber Coating and Preparation Method Thereof	Prof. Akhilesh Kumar Singh, Dr. S. M. S. T. Vijayeta Pal	29/12/2025
System and Method for Assessing a Correspondence Between a Wound and a Selected Weapon	Dr. Deepesh Kumar, Ms. Akansha Srivastava	30/12/2025
A Heterocyclic Compound and a Method of Synthesis Thereof	Prof. Sushant Kumar Shrivastava, Hansal P. Kumar	31/12/2025

Patents granted in December

Title	Faculty	Patent Number
A Biosensing Device and a Method of Fabrication Thereof	Pranjal Chandra, Darshana, Daphika S. Dkhar, Pradeep Srivastava	575096
A Method of Preparing Multiwalled Carbon Nanotubes	Ashish Kumar Mishra, Shanu Mishra, Somesh Sunil Jaiswal	575346
A Membrane Separator for Ultrapure Hydrogen Separation	Prof. Rajesh Kumar Upadhyay, Dr. Sweta, Anjali Baudh	575573
A Metallocene-Appended Coordination Complex and a Method of Preparation Thereof	Dr. Samya Banerjee, Apurba Mandal, Ashish Kumar Yadav, Arif Ali Mandal	575812
A Biomass Gasification System and a Process Thereof	Prof. S. K. Shukla, Mr. Bhartendu Mani Tripathi	576238
A Real-Time Writing Instrument Grip and Motion Monitoring System	Dr. Hari Prabhath Gupta, Dr. Tanima Dutta, Ms. Surabhi Saraswat	576482
A Pharmaceutical Composition and a Method of Preparation Thereof	Dr. Ruchi Chawla, Jatin	576696
An Adsorbent for Waste-Water Treatment and a Method of Preparation Thereof	Dr. Chandan Upadhyay, Mr. Amit Bar, Dr. Ram Sharan Singh	576899

Additionally, 30 projects were officially sanctioned, with a cumulative funding amounting to Rs. 6,72,39,544.

Projects sanctioned in December

Title of Project	Name of Funding agency	Period of the Project Sanction	Total cost of Project in Rs.
Role of AI in Mental Health and Inclusion in Higher Academic Institutions	IITK	1 year 6 months	740000
Development of High Purity SiC Powder for Synthesis of SiC Single Crystal	DRDO	3 years	21162030
Design and development of microwave ablation system for Liver tumors	MeitY	2 years	6156000
Development of IoT-Enabled, Misalignment-Tolerant, and AI-Driven Efficient Wireless Charging Module for Electric Vehicle Applications	I-DAPT, IIT(BHU)	2 years	308000
Agentic AI-Driven Automated VPN Detection and Deanonimization Framework for Threat Intelligence Using Hybrid Approaches	MeitY	3 years	7292000
Indigenous Education and Women: Women's Pathshalas in Varanasi from 18th Century to the Present	ICHR	2 years	300000
Highway Safety Analytics and Modelling	CloudBlitz	5 years	2500000
Development of Carbon Ceramic Resistors (CCR) with 6±0.6 Ohm Resistance Comparable to Benchmark Products	CG Power	1 Year	106400
Assessing and Mitigating Urban Heat Island (UHI) Effects in Riverine Cities: A Machine Learning and Nature-Based Solutions Approach Under Climate Change Scenario.	CST-UP	3 years	1508000
Development of ultrathin ZnS nano wire based room temperature operated single photon detector using ML for quantum information applications	CST-UP	3 years	1208000
Fabrication and Characterization of Transient Electroluminescence in Two-dimensional Semiconductor Based Devices for Low-Power, High-Speed Optical Communication	CST-UP	3 years	1436000
Binary Oxide-Based Memristor Synapses: towards and adaptive Neuronal Device to Cure Deep Depression (Neurodeep)	I-DAPT, IIT(BHU)	2 years	1999272
Depression detection based on latent association of facial and body expressions	I-DAPT, IIT(BHU)	2 years	547800
Multi-sensor imagery and deep learning based real-time dense forest monitoring	I-DAPT, IIT(BHU)	2 years	547800
Assessment of Infrastructural and Technology-based Treatment for Improving Bicyclists Safety	I-DAPT, IIT(BHU)	2 years	1399624
Design and Development of a Real-Time IP Core for an Early Landslide Prediction System for Hilly Areas	I-DAPT, IIT(BHU)	2 years	98400
Traffic Viz Agent: Multi-agent AI as a service system with edge intelligence for smart-traffic surveillance using large vision language models	I-DAPT, IIT(BHU)	2 years	381800
A Lightweight Mobile Application for Sickle Cell Disease Detection by using Deep Learning Model and Explainable AI	I-DAPT, IIT(BHU)	2 years	486200
Adaptive polar codes CODEC Hardware for variable channel conditions	ISRO	2 years 6 months	3625000
Synthesis of lunar simulant to develop in-situ metal extraction and 3D printing in space	ISRO	3 years	1850320
Development of OFDM Modem system for satellite application	ISRO	1 year 6 months	1850320
Understanding the physics of flaring regions using X-ray observations of quasi-periodic pulsation with Aditya L1	ISRO	2 years	3303068
Evaluation of the urban morphology in Tier-II cities of India using Multi-modal semantic segregation of satellite images	ISRO	2 years	3061636
Expert agent for Spacecraft health diagnosis and realtime assistance for mission management for on-board crew	ISRO	2 years	2540334
Design of strain sensor arrays on conformal substrates with wireless interface for space applications	ISRO	2 years	1837790
Artificial Intelligence based Characterisation of Acoustic Emission Pattern for Rock Failure Analysis	MoM	1 Year	993750

Media Section



E-Waste Management and Recycling Centre comes up at IIT(BHU)

IIT(BHU) records 1k job offers in 5 days

Innovation

Ideation Innovation & Incubation Foundation (I-3F)



The Ideation, Innovation & Incubation (I-3) Foundation of IIT (BHU), Varanasi undertook key incubation and entrepreneurship activities in December 2025. The Selection & Investment Committee (SIC) for Cohort-8 met on 15-16 December 2025 at IARI, PUSA, New Delhi, where 33 startups were evaluated under the PRASFUTAN, ANKURAN, and SRIJAN categories, leading to the selection of 12 startups for grant-in-aid support totaling ₹1,75,00,000. During the month, IIT (BHU) also launched the I-NITiate hybrid entrepreneurship cohort in collaboration with GDC, IIT Madras, while one incubated startup, M/s Occamy Bioscience Pvt. Ltd., was featured in the Forbes India Top 100 Startups list and two R-ABI IIT (BHU) founders participated in the IARI Innovative Farmers Conclave 2025 held at IARI, Pusa, New Delhi.

Student Updates

The Film and Media Council maintained momentum through December, balancing coverage and creative output alongside placements and Inter-IIT Cultural Meet preparations. The Media Club delivered timely updates during the placement season, ensuring consistent information flow on campus. The Outreach Club engaged students through an interactive Memify competition, encouraging creative participation and freshers' involvement. The month concluded with a reflective year-end post that captured key moments of celebration and the experiences that defined the year.



Student Achievements



Akash Kumar Srivastava, a research scholar in the Department of Humanistic Studies under the supervision of Prof. Vinita Chandra, has been appointed Guest Editor for a special issue of the internationally recognized journal *Frontiers in Environmental Archaeology* on "Consuming Through the Ages: Fresh Insights into Consumption Practices, Cooking Techniques, and Vessel Functions in Archaeology of North America and South Asia." This appointment reflects global recognition of his expertise and highlights IIT (BHU), Varanasi's excellence in archaeological research.

Faculty Achievements

Dr. Pavan Pujar, Assistant Professor, Department of Ceramic Engineering, and Mr. Rahul Tiwari, Ph.D. research scholar, have been selected for the prestigious LOTUS Programme of the Japan Science and Technology Agency (JST) to conduct collaborative research at NIMS (National Institute for Materials Science), Japan, one of the world's leading materials research institutes. This achievement highlights the international recognition of their research excellence and offers a valuable opportunity to engage in high-impact joint research, access state-of-the-art facilities, and strengthen long-term India-Japan collaboration in advanced ceramic and electronic materials.



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), 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 per the information provided on the giving back portal.



Click/Scan QR code

Alumni Updates

Student Alumni Interaction Cell

In the month of December, the Student Alumni Interaction Cell intensified its efforts to foster meaningful and lasting bonds between students and alumni. As part of this initiative, a Connect and Learn alumni-student meetup was successfully organised in Hyderabad on 21 December 2025.



Further strengthening this engagement, the Cell also started the 2026 drive of Student Alumni Mentorship Program. Through this initiative, students are paired with alumni mentors who guide them through academic, professional, and personal development, enabling a structured exchange of knowledge and experience.

Student Alumni Mentorship Program 2026

SAIC is back with the 2026 drive of the Student Alumni Mentorship Program initiative to aid students sail through their career and the journey ahead.

Register as a Mentor

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



Click/Scan QR code to register

Golden Jubilee Reunion - The Batch of 1975-80

The Batch of 1975-80 returned to IIT (BHU) Varanasi to celebrate their Golden Jubilee Reunion, held from 14 to 17 December 2025, marking 50 years of shared memories and milestones. A total of 61 alumni from across India and abroad reunited on campus to revisit the institution that shaped their academic and professional journeys. The formal reunion ceremony on 15 December 2025 was graced by Prof. Amit Patra, Director, IIT (BHU), Varanasi, and Prof. Hiralal Pramanik, Dean (Resource & Alumni), along with other distinguished guests. Organized with the support of the Student Alumni Interaction Cell (SAIC), the event included ceremonial traditions, addresses by dignitaries, and reflections on the institute's recent developments. The reunion concluded with departmental visits, allowing alumni to reconnect with familiar classrooms, laboratories, and shared experiences from their student days.



Alumni Registrations



The alumni can now connect with their fellow batchmates by simply registering themselves on the official alumni portal created by the office of Dean (Resource & Alumni Affairs).

Registering on the portal will allow the alumni to stay connected with their alma mater through updates about the various developments at their beloved Institute.



Click/Scan QR code



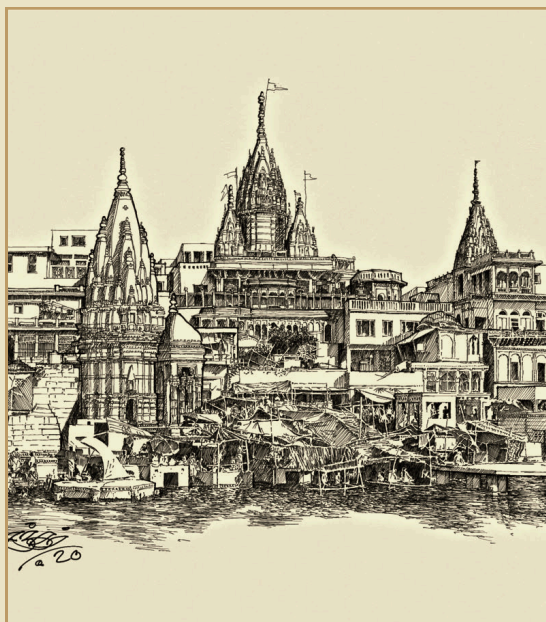
IIT (BHU) is privileged to be an integral part of Kashi Tamil Sangamam 4.0 – Tamil Karkalam, a national celebration that beautifully reaffirms India's timeless civilisational bonds. Rooted in the historic and cultural sync between Kashi and Tamil Nadu, the Sangamam serves as a vibrant platform for linguistic learning, meaningful cultural exchange and strengthening the enduring Kashi–Tamil connection.

This edition of the Sangamam truly reflected the essence of *Ek Bharat Shreshtha Bharat*, highlighting how India's unity is nurtured through mutual respect for its diverse cultural and linguistic heritage. At the heart of Kashi Tamil Sangamam 4.0 lies the inspiring theme “Let Us Learn Tamil – Tamil Karkalam”, which places Tamil language learning at the forefront of its vision.

Embracing the belief that all Indian languages form one unified *Bharatiya Bhasha* family, Tamil Karkalam conveys a powerful message that linguistic diversity is not a divide, but a shared cultural wealth that binds the nation together through this initiative. The Sangamam reinforces the idea that learning each other's languages deepens cultural understanding and strengthens India's collective identity.

‘Let's Learn Tamil - Tamil Karkalam’

KTS 4.0



Thank You



We extend our sincere thanks to you for taking the
time to read our newsletter. Your encouragement
and continued support means a lot to us! Looking
forward to staying in touch and sharing many more
milestones and achievements with you.

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.

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