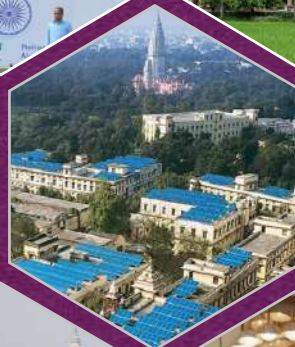
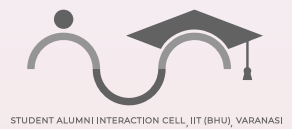


ALMA COMMUNIQUÉ

Alumni Newsletter (Jul '26)



Institute Updates



1. IIT (BHU), Varanasi, established two new institutional centres, namely the Centre for Innovation, Incubation and Entrepreneurship (CIIE) and the Virtual Sustainability Centre (vSDC), effective 1 July 2026. CIIE will promote entrepreneurship, startup mentoring, and industry-academia collaboration, while vSDC will support interdisciplinary research in renewable energy, climate change, carbon management, and the circular economy. Coordinated by Prof. Manoj Kumar Meshram and Prof. Vikash Kumar Dubey respectively, the initiative strengthens the Institute's innovation ecosystem and commitment to sustainable development. A few more such centres are in the offing.



2. The Heritage Park at the Main Workshop, IIT (BHU), Varanasi, was inaugurated by Director Prof. Amit Patra on 29 July. Developed under the guidance of Prof. Mohd Zaheer Khan Yusafzai and Dr. Basudeb Rajak, the park preserves vintage machines and historic equipment, celebrating the Institute's engineering legacy while inspiring future generations of engineers. The initiative reflects the Institute's commitment to preserving its rich heritage while fostering a culture of innovation and experiential learning. Serving as a living archive of technological progress, the park offers students and visitors a glimpse into the evolution of engineering at IIT (BHU).



3. IIT (BHU), Varanasi, inaugurated its Central Facility for Campus Surveillance on 29 July, marking a significant step towards strengthening campus security under the Smart Campus initiative. Equipped with advanced monitoring technologies, the facility is designed to enable real-time surveillance, improve emergency response, and create a safer environment for students, faculty, staff, and visitors. The facility further strengthens the Institute's efforts to integrate technology into campus safety and security. The initiative reflects the Institute's continued commitment to building a secure, technology-enabled, and future-ready campus.



4. IIT (BHU), Varanasi, commenced its Orientation and Induction Programme 2026 on 30 July, welcoming newly admitted undergraduate students to the IIT (BHU) family. The inaugural sessions featured interactions with senior institute officials, including Prof. Satyabrata Jit, Prof. Indrajit Sinha, Prof. Anurag Ohri, Dr. Suryadeo Yadav, and Prof. Hiralal Pramanik, covering academics, internships and placement, and alumni network. It introduced students to the Institute's research opportunities, support services, and co-curricular ecosystem, highlighting the importance of academic excellence, and leadership. Conducted under the guidance of Prof. R. K. Mandal, the programme set an inspiring tone for the incoming batch as they began their journey at IIT (BHU).



5. IIT (BHU), Varanasi, signed an MoU with the Indian Navy at Naval Headquarters, New Delhi, on 30 July 2026 to strengthen collaboration in research, development, and indigenisation of advanced naval technologies. The MoU provides a framework for joint R&D, technology innovation, academic engagement, faculty and student interactions, and capacity building in support of the Government of India's vision of *Aatmanirbhar Bharat* in the defence sector. The collaboration will leverage IIT (BHU)'s research capabilities to develop innovative solutions for emerging maritime challenges and strengthen India's indigenous defence ecosystem.

The Creative Section in our next issue will bring you comprehensive coverage of Orientation & Induction Programme.

Internship/Placement Updates

The Training and Placement Cell at IIT (BHU), with the continued support of students, alumni, and recruiters, has made a strong start to the internship season for the academic year 2026-27. As of 6 August 2026, a total of 312 internship offers have been secured, reflecting sustained industry confidence in the Institute's talent and academic excellence.

The average internship stipend currently stands at Rs. 1,06,020 per month, with students securing opportunities across a diverse range of technical, finance, consulting, and analytics roles. The internship process continues to witness enthusiastic participation from both students and recruiters.

Offers have been received from leading global organizations including Google, Microsoft, Amazon, Goldman Sachs, JPMorgan Chase & Co., DE Shaw, Databricks, Rubrik, Salesforce, LinkedIn, Uber, Walmart, Adobe, Texas Instruments, Intuit, Atlassian, Qualcomm, AlphaGrep, Quadeye, Quantbox, PhonePe, Nutanix, Mastercard, Flipkart, Sprinklr, InMobi, and many other esteemed recruiters, reaffirming the Institute's strong industry partnerships and placement ecosystem.

Research and Development

With its ongoing R&D initiatives, IIT (BHU) continues to play a pivotal role in contributing to the global research landscape. During July 2026, a total of 19 patents were filed, while 20 patents were successfully granted, reflecting the institute's commitment to innovation and technological advancement. These achievements highlight the growing impact of research and development activities across various departments, further strengthening IIT (BHU)'s position as a hub for cutting-edge research and innovation.

Patents filed in July

Title	Faculty	Filing Date
Process for synthesis of chalcogen-linked heterocyclic compounds and product thereof	Dr. Deepak Kumar, Ms. Pallavi Saha, Mr. Vijay Kumar	30/06/2026
A grid-connected photovoltaic power conversion system and method thereof	Prof. Vivek Nandan Lal, Aman Kumar, Hemant Kumar Verma, Prof. Rajeev Kumar Singh	02/07/2026
An anticancer nanoformulation and a method of preparation thereof	Prof. Pralay Maiti, Swapan Maiti, Souvik Chowdhary	03/07/2026
An artificial intelligence of things enabled animal intrusion detection and deterrence system and method thereof	Dr. Prasenjit Chanak, Nuthan Chingeeetham, Pranshu Goyal, Dr. Om Jee Pandey	07/07/2026
Process for producing functionalized cellulose materials from coconut coir	Dr. Prodyut Dhar, Suraj Kumar	07/07/2026
An organosiloxane based coating composite material and a method of preparation thereof	Prof. Pralay Maiti, Khayanath Mitra, Anupama Devi, Shubham Sekhar Mandal	10/07/2026
A dynamic voltage gain common ground switched capacitor seven-level inverter	Dr. Naveen Yalla, Kartikay Bhardvaj, Dr. N. K. Swami Naidu	10/07/2026
A polymeric carrier-based nano-formulation and a method of preparation thereof	Dr. Pradip Paik, Kirti Wasnik	17/07/2026
A method for preserving morphology of a single-crystalline two-dimensional oxyhalide flake	Dr. Pavan Pujar, Dr. Ashrittha Salian, Tribhuvan Kushwaha, Almunda Dharnesh, Rahul Tiwari, Mahiman Banse	17/07/2026
An electrolytic capacitor-less isolated ultra-high-gain dc-dc power converter	Prof. Vivek Nandan Lal, Aman Kumar, Prakhram Nema, Sagun Kumar, Prof. Rajeev Kumar Singh	17/07/2026
A visible-light mediated method of synthesis of an imidazopyridine derivative	Dr. Deepak Kumar, Ms. Pallavi Saha	17/07/2026
A method of synthesis of a nanocomposite for dark fermentative biohydrogen production	Dr. Deepak Kumar, Ms. Pallavi Saha	17/07/2026
Composite material, its process of preparation and applications thereof	Dr. Pranjal Chandra, Dr. Sumit Kumar Singh, Ankur Singh	20/07/2026
A batch-based active cell balancing system and method for series-connected battery pack	Prof. Vivek Nandan Lal, Prof. Rajeev Kumar Singh, Durvesh Kumar, Hosadu Ashwin Kumar, Ankur Kumar Prathivasta	21/07/2026
System and method for coordinated disaster relief and survivor detection	Dr. Shyam Kamal, Shaneshranje Kadu, Shubham Meena, Chetan Angira, Sarveshi Mishra, Eram Taslima, Priyanka Singh	22/07/2026
Method for manufacturing an 18ni (300) meraging steel component by laser powder bed fusion (lpbf)	Dr. Pawan Sharma, Dr. G. M. Karthik, Ankil Tripathi	25/07/2026
System and method for integrated gas sensing and pollutant remediation using bio-based structural materials	Dr. Prodyut Dhar, Rohit Rai	29/07/2026
An apparatus for ammonia detection	Dr. Shivam Verma, Jitendra K. Arya	29/07/2026
System and method for wearable-integrated nano ssd with frame-aware medical data storage	Dr. Priya Ranjan Muduli, Dr. Nishi Shahinaj Haider	30/07/2026

Total, 6 projects were officially sanctioned during this period, with cumulative funding amounting to Rs. 3,85,45,190. These achievements highlight the institute's steady progress in fostering impactful research, innovation, and development across diverse domains.

Projects sanctioned in July

Title of Project	Name of Funding agency	Period of the Project Sanction	Total cost of Project in Rs.
IKS_M_14A Chemical, Metallurgical & Material Sciences	IKS	09 months	1,08,65,667
Community-Based Microbial Fuel Cell Bins for Sustainable Rural WasteManagement Along with Bioelectricity Generation	DBT	02 years	15,77,800
Understanding the Fate and Transport Mechanism of Geogenic Uranium in the Indo-Gangetic Plain	ANRF	03 years	58,78,080
Setting up of Undergraduate Teaching Laboratories in Quantum Technologies under the National Quantum Mission (NQM)	DST	05 years	98,99,000
Developing PoIQ - Proteolysis targeting chimeras (PROTAC) for treatment of head-neck cancers by inhibiting microhomology mediated end joining DNA repair pathway	ICMR	03 years	36,35,653
Scalable Synthesis and Densification of Boron Carbide	DRDO	02 year + 02 years	66,88,990

Patents granted in July

Title	Faculty	Patent Number
A method of microbial production of a bioactive compound	Mr. Ravi Saini, Ms. Sonali Kumari, Prof. Abha Mishra	594030
A method of preparation of a biodegradable packaging material from sugarcane bagasse	Dr. Prodyut Dhar, Rahul Ranjan, Rohit	594523
A promoter-activator blend as absorbent for carbon dioxide capture	Prof. Monoj Kumar Mondal, Ashish Gautam	594920
A process for extraction of a cycloartane terpenoid	Dr. Shreyans Kumar Jain, Dr. Gudasalamani Ravikanth, Nivedita Bhardwaj, Nancy Tripathi, Sanju Kumar, Sanheeta Chakrabarty, Sanjay Kumar	594970
An incense composition and a method of preparation thereof	Dr. Abhishek S. Dhotle, Kallash Pati Pandey	595095
A sensing electrode for detecting an amino acid and a method of fabrication thereof	Dr. Pranjal Chandra, Rohini Kumari, Indrani Nandi	595099
System and method for early diagnosis of contagious diseases in bovine animals	Dr. Prasenjit Chanak, Mr. Priyanshu Chaurasiya, Mr. Nuthan Chingeeeth	594979
A system for predicting genetic interaction with homeotic genes	Dr. Vishal Mishra, Shiwangi Kearsrani, Sidhartha Gupta	595146
A sensor for detection of a liquid analyte and a method of fabrication thereof	Prof. Chandana Rath, Taranga Dehury	595252
A system and method for robust segmentation of retinal vasculature	Prof. Rajesh Kumar Pandey, Varun Makkar, Arya Tewary	595365
A drug delivery vehicle and a method of preparation thereof	Prof. Vikash Kumar Dubey, Mr. Kushal Bora, Prof. Shankar Prasad Kanaujia	595371
A composition of wound dressing and a method of preparation thereof	Kaustubh Naik, Shikha Tripathi, Dr. Avani Singh Parmar	595595
A feedforward neural network based staircase modulation system for multilevel DC-link inverter	Prof. Santosh K Singh, Mohammed Alhassan	595727
A nanoformulation for management of lung cancer and a method of preparation thereof	Dr. Brahmeshwar Mishra, Mr. Manish Kumar, Mr. Abhishek Jha, Manjil	595832
A method for extraction of an active compound	Dr. Shreyans Kumar Jain, Ms. Nancy Tripathi, Ms. Nivedita Bhardwaj, Ms. Sanju Kumar, Ms. Sanheeta Chakrabarty, Mr. Sanjay Kumar	596082
A catalytic electrode for water splitting reactions and a method of fabrication thereof	Dr. Pranjal Chandra, Rohini Kumari	596345
A device for detection of an analyte and a method of fabrication thereof	Pranjal Chandra, Akanksha Singh, Indrani Nandi	596355

Media Section



IIT BHU to provide technical assistance to the Indian Navy



IIT BHU held 1st Institute Day in virtual presence of CM Yogi Adityanath

Innovation

The I-3 Foundation, IIT (BHU), Varanasi continues to strengthen its startup ecosystem, with its incubated ventures achieving notable milestones. Experience Zone Pvt. Ltd. signed three MoUs with the Government of Tripura through the Departments of Information Technology, Skill Development, and



Tourism at the Destination Tripura Business Conclave 2026. Fish White Pvt. Ltd., another incubated startup, has been nominated for national recognition and an award at Rashtrapati Bhavan on 15 August 2026, highlighting the growing impact of IIT (BHU)'s innovation and incubation ecosystem. These achievements reflect the Foundation's continued efforts to nurture innovative ventures and

support their journey from ideas to impactful enterprises. They also underscore IIT (BHU)'s growing contribution to entrepreneurship, innovation, and technology-led development across sectors.

Student Updates



The **Entrepreneurship Cell (E-Cell)**, IIT (BHU) continued strengthening the Institute's entrepreneurial ecosystem through initiatives in branding, outreach, technology, design, and incubation. During July 2026, the Cell conducted onboarding sessions, supported the induction programme, and advanced preparations for

Google Startup Weekend 2026. The Cell expanded its outreach through social media campaigns, the Campus Survival Kit video series, and discussions for collaborations with IIT Bombay and NIT Rourkela. It also enhanced the Grow Your Resume platform, developed the GSW Events Portal, designed creatives for various initiatives, and updated the registration workflow. The Cell further finalized the Google Startup Weekend 2026 execution timeline, confirmed merchandise partners, and worked on incubation reforms, grant opportunities, and initiatives to strengthen IIC Ambassador engagement.

Faculty Updates

Dr. Vinod Tiwari, Associate Professor, Department of Pharmaceutical Engineering & Technology, IIT (BHU), Varanasi, has been elected as a Member of the Executive Committee (2026 to 2028) of the Indian Academy of Neurosciences (IAN) during its 43rd Annual Meeting. Established over four decades ago, IAN is India's premier professional body dedicated to advancing neuroscience research, education, and scientific collaboration. This prestigious recognition acknowledges Dr. Tiwari's distinguished contributions to neuroscience, particularly in neuropharmacology and pain research, along with his sustained scientific impact and growing leadership in the field. His research has contributed significantly to a deeper understanding of neurological mechanisms and therapeutic approaches, reinforcing the importance of interdisciplinary research in addressing complex health challenges. His appointment also provides an opportunity to further strengthen academic and scientific networks in neuroscience at both national and international levels. The recognition reflects the calibre of faculty and researchers at IIT (BHU) who continue to make meaningful contributions to



their respective fields. His election brings pride to IIT (BHU) and further highlights the Institute's contribution to advancing interdisciplinary neuroscience research and scientific collaboration.

Alumni Updates

Student Alumni Interaction Cell



The **Student Alumni Interaction Cell (SAIC)** has connected over 750 students with alumni mentors through its One-on-One Mentorship and Ask the Alumni (ATA) programmes. The initiative has involved more than 300 alumni mentors, including over 145 through the ATA programme, offering guidance across more than 12 career fields. The areas of guidance include Civil Services Examination, Consulting, Core Engineering, Data Analytics, Data Science, Entrepreneurship, Finance, Product Management, Quantitative Finance, Research & Higher Studies, Software Development, and UI/UX Design. Under its Alumni Guided Mock Interview Initiative, SAIC has also conducted over 350 mock interviews with the participation of 150+ alumni and 300+ students, providing students with practical interview experience and direct feedback from industry professionals. This wide range of initiatives reflects SAIC's continued effort to support the diverse goals and interests of students, providing practical career guidance, valuable alumni insights, and opportunities to learn from real professional experiences. These initiatives also encourage students to make informed career decisions and build greater confidence in navigating their professional journeys. By strengthening interaction between students and alumni, SAIC continues to build a robust mentorship network while highlighting the important role alumni play in shaping the career journeys of current students.

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.



Memories that never fade

*Kuch raaste manzil tak nahi, yaadon tak le jaate hain,
Kuch pal beet nahi jaate, bas umar bhar saath nibhate hain.
Kabhi dhoop si muskurahat, kabhi chhaon si baatein,
In beparwah lamhon mein hi toh chhupi hoti hain saari saugatein.
Kitabon ke beech chhupi hansi, galiyon mein thahri baatein,
Yahi toh hain woh chhote pal, jo ban jaate hain badi yaadein.
Waqt ke saath sab badalta gaya, par ehsaas wahi the,
Jo kal the ajnabi se, aaj apne se lagte wahi the.
Har mod par ek kahani, har kadam par ek nishani,
Campus ki in raahon ne likhi, jaane kitni zindagani.
Aur jab bhi palat kar dekha, toh laga yahin kahin the hum,
Thode se khoye hue, par apni hi duniya mein the hum.*

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.



UTTHAAN

THE INSTITUTE DAY 2026
held on 29th June



01 A Beautiful Milestone

A proud literary milestone of Institute Day 2026, "Utthaan", was the release of the Hindi magazine "Abhyuday" and the commemorative Souvenir celebrating our campus's creativity, spirit, and legacy. Congratulations to everyone who brought these editions to life!

02 Empowering the agricultural community

As part of Institute Day 2026 "Utthaan," IIT (BHU), Varanasi hosted a Farmers' Interaction & Knowledge Dissemination Event at Swatantrata Bhawan, bringing together farmers, academicians, scientists, and technical experts to explore technology driven solutions and modern farming practices. Chaired by Prof. Panjab Singh and graced by Director, Prof. Amit Patra, the event featured experts from ICRISAT, IIVR, and BHU, strengthening the Institute's commitment to connecting research and innovation with grassroots agriculture.



03 Celebrating research & innovation excellence

The Institute celebrated a remarkable year of innovation, with 69 faculty members securing 89 patents in 2025-26, reflecting the Institute's strong research impact. The Exhibition Stall Awards recognized excellence across Agritech, Deep Tech, Mid Tech, Startups, Centres, and Industry categories. The School of Biomedical Engineering, Pharmaceutical Engineering, and Electronics Engineering secured the top three positions in the Department category, while the Precision Engineering Hub and the Main Workshop topped the Institute category.



05 Exhibition Stall Awards

As part of Institute Day 2026 "Utthaan," IIT (BHU), Varanasi, hosted Startup Pitch Sessions at the SB Pandal, providing a platform for emerging startups to present innovative ideas and technology-driven solutions. The sessions were evaluated by an expert jury from venture capital, entrepreneurship, industry, and IIT (BHU), with a focus on innovation, investment potential, and entrepreneurial impact. The event was coordinated by Prof. M.K. Meshram, IIT (BHU).



04

A LEGACY IN MOTION, A FUTURE IN FLOW.

From vision to impact, Utthaan 2026 brought together innovation, research, people and purpose-creating ripples that will flow for generations.

06 A Mesmerizing Cultural Evening

The inaugural Institute Day 2026, "Utthaan," concluded with a mesmerizing cultural evening as the campus community came together for soulful classical performances, capping off a historic celebration of innovation, research, and academic excellence.



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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