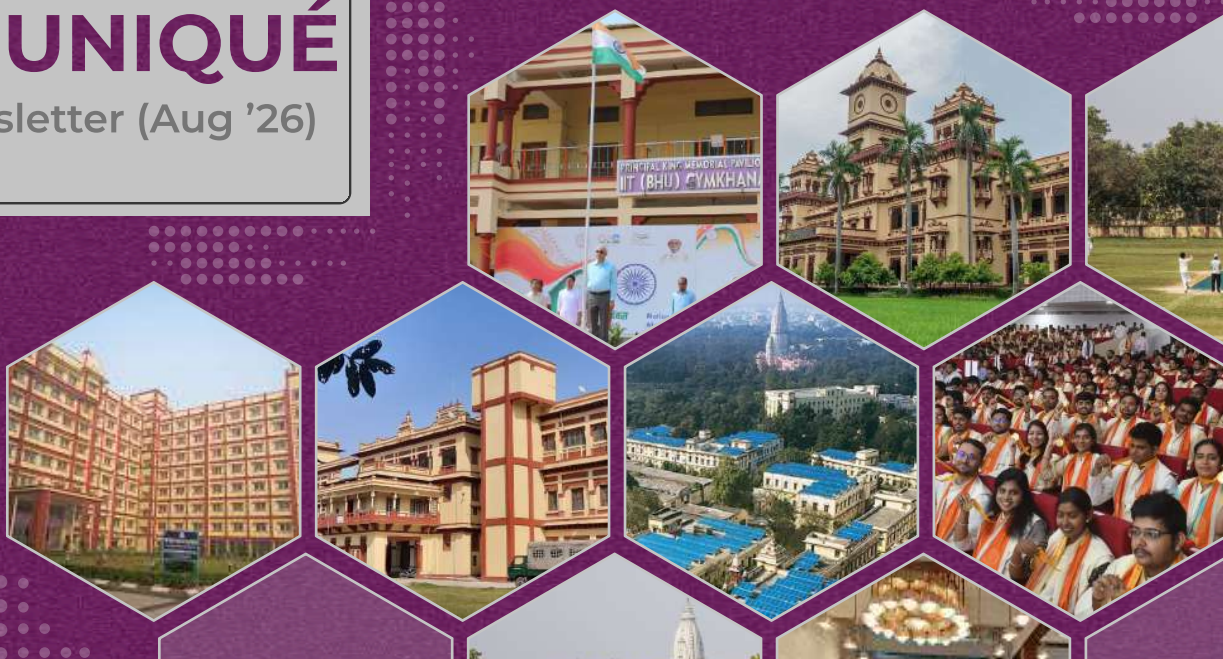


ALMA COMMUNIQUE

Alumni Newsletter (Aug '26)



Institute Updates



1. Continuing the Orientation and Induction Programme 2026 that commenced in July, IIT (BHU), Varanasi welcomed its newly admitted undergraduate, postgraduate, and PhD students through a series of sessions aimed at familiarising them with the Institute's academic environment, research opportunities, student support systems, and campus life. The programme featured addresses by senior Institute officials covering academics, internships and placements, alumni engagement, student welfare, hostel life, campus safety, and early research opportunities. Students were also introduced to the student ecosystem through sessions by various councils, along with wellness sessions by SAKHA, YourDOST, and on campus counselors.



2. A strategic session on institutional rankings was organized to discuss the Institute's performance and identify pathways for strengthening its position on the national and global academic landscape. Hon'ble Director Prof. Amit Patra addressed the gathering, outlining the importance of continuous institutional growth and academic excellence. Prof. Vikash Kumar Dubey subsequently delivered an in-depth presentation analyzing the Institute's standing in the NIRF and QS Rankings. The session was also attended by Prof. N. K. Mukhopadhyay, Dean of Faculty Affairs, and Prof. Chandana Rath, Associate Dean of Faculty Affairs, and focused on understanding key ranking parameters and strengthening the Institute's future trajectory.



3. IIT (BHU), Varanasi, signed an MoU with the Department of Higher Education, Government of Madhya Pradesh, bringing together 30 higher education institutions in the state in alignment with NEP 2020. The collaboration will facilitate programmes in emerging technologies including AI, Machine Learning, Robotics, IoT, Cyber Security, Quantum Technologies, and Drone Technologies, along with entrepreneurship support through CIIE, IIT (BHU). The partnership reflects the Institute's commitment to extending its expertise beyond campus and contributing to the vision of *Viksit Bharat*.



4. The Student Counselling Services (SCS) observed Anti-Ragging Week from 12 to 18 August to promote awareness about maintaining a safe, respectful, and inclusive campus environment. The initiative focused on encouraging students to stand against ragging and fostering a culture of mutual respect, understanding, and support. A series of activities and interactive sessions were organised throughout the week to strengthen awareness and reinforce the message of preventing ragging. The initiative brought together the campus community with a shared commitment to stand against ragging and ensure a safe and welcoming environment for all.



5. The 80th Independence Day was celebrated at IIT (BHU), Varanasi, with patriotic fervour and pride. The ceremony commenced with the unfurling of the National Flag by our Hon'ble Director Prof. Amit Patra, followed by the National Anthem and a salute by the Institute's security personnel. The celebration also showcased the vibrant cultural spirit of the Institute through classical dance and musical performances by students. Addressing the gathering, Prof. Patra paid tribute to the freedom fighters and emphasised the Institute's commitment to contributing to the vision of a *Viksit Bharat* through innovation and technological leadership.

Internship/Placement Updates

The Training and Placement Cell at IIT (BHU), Varanasi, has made a strong start to the internship and placement season for the academic year 2026-27. As of 1 September 2026, a total of 400 internship offers and 159 Pre-Placement Offers (PPOs) have been secured, reflecting continued industry confidence in the Institute's students and academic excellence.

The average internship stipend stands at Rs 1,06,020 per month, while the average placement CTC stands at Rs 34,49,067 per annum. These figures highlight the quality of opportunities secured by students across diverse sectors and domains.

Offers have been received from leading global organisations including NVIDIA, 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, Sprinkl, InMobi, Expedia Group, Visa, Cisco, Bloomberg, Deutsche Bank, Siemens, and many other esteemed recruiters, reaffirming the Institute's strong industry partnerships and robust internship 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 August 2026, a total of 15 patents were filed, while 17 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 August

Title	Faculty	Filing Date
System method for water quality estimation of water bodies	Prof. Anurag Ohri, Dr. Shishir Gaur, Dr. Saurav Bhadwal, Dr. Rajarshi Bhattacharjee	06/08/2026
System and method for dynamic data-driven groundwater modeling using IoT-integrated DPO-FINN	Dr. Shishir Gaur, Mr. Mayank Bajpai	07/08/2026
AI-optimized hybrid GNP/CNT smart sensor system and method for structural health monitoring	Dr. Rosalin Sahoo, Debadaitha Sethy	07/08/2026
A multi-input power processor unit for renewable-integrated hybrid energy storage system	Ankit Kumar Pratihaasta, Prakash Ji Baranwal, Prof. Rajeev Kumar Singh, Prof. Vivek Nandan Lal	08/08/2026
System and method for mechanical response analysis of functionally graded graphene nanoplatelet composite plates	Dr. Rosalin Sahoo, Rachit Panda	08/08/2026
A process for preparation of a micro-alloyed steel composition and a product thereof	Prashant Kumar Singh, Gautam Mishra, Jayant Kumar Singh, Sudipta Patra	13/08/2026
System and method for edge AI-based multi-modal driver safety and adaptive risk assessment	Dr. Preasenjit Chanak, Nuthan Chingeeham, Saurabh Kumar Srivastava, Nidhi Saxena	18/08/2026
An integrated intelligent structural paste placement system	Prof. Gauri Shankar Prasad Singh	18/08/2026
System and method for determining slot leakage reactance of a rotating electrical machine	Dr. Chinmaya K. A., Ankit Kumar Mahil	19/08/2026
AI-enabled autonomous multi-target detection and neutralization system and method	Dr. Paavan Sharma, Mr. Rajat Dixit, Dr. Prince Rajpoot, Dr. Vivek Mani Tripathi, Mr. Ankush Pandey, Mr. Ankit Tripathi	20/08/2026
A hybrid composite-based adsorbent for hydrogen storage and a method of synthesis thereof	Prof. Abha Mishra, Shruti S. Raut, Arpit Sharma	21/08/2026
Apparatus for real-time measurement of velocity and discharge from a flowing water body	Dr. Pramod Soni	21/08/2026
A multisensor and machine learning-based IoT system and method for precision irrigation	Dr. Preasenjit Chanak, Mr. Priyanshu Chaurasiya, Nuthan Chingeeham, Mr. J. Sri Vivaswath, Mr. Govindu Sidhartha Reddy, Er. Indu Bhushan Bhagat, Dr. V. K. Chandola, Dr. S. K. Singh	22/08/2026
High performance novel aqueous solvent system for CO ₂ capture	Prof. Manoj Kumar Mondal, Akhil Kumar Gupta	24/08/2026
A partially isolated three-port converter	Dr. Chinmaya K. A., Sandip Ghosh, Rajesh Kumar, Dhawal Dwivedi	27/08/2026

Patents granted in August

Title	Faculty	Patent Number
A system and method for ameliorating Internet of Things (IoT) network	Dr. Om Jee Pandey, Neha Sharma, Udit Agarwal, Kuldeep Singh	597829
A system for hydrogen separation and utilization in a Pd-Ag/Cu membrane	Prof. Rajesh Kumar Upadhyay, Sachin Kumar Vishwakarma	598060
A composition comprising methotrexate-loaded chitosan nanoparticles and a method for preparation thereof	Dr. Manoj Kumar, Rinki Verma	598195
A nanoparticle formulation and a method of preparation thereof	Dr. Sudip Mukherjee, Devyani Yenurkar, Dr. Anab Sarkar	598111
A bituminous product for pavement construction and a method of preparation thereof	Dr. Ankit Gupta, Aakash Singh	598530
A method for preparation of a 3D-printed implant and a product thereof	Dr. Sanjeev Kumar Mahto, Parul Chaurasia, Richa Singh, Rishabh Rai Kaushik, Narayan Yadav	598542
Method and composition for ionic liquid based regeneration of cellulose fibers from agro-waste	Dr. Prodyut Dhar, Mr. Sanjay Kumar Sharma	598690
White light emitting metallic magnesium nanoclusters and a method of production thereof	Dr. Manoj Kumar, Prachi Srivastava, Vivek Kumar Verma	599043
A low cost extrusion based metal three-dimensional printer	Prof. Santosh Kumar, Mr. Pankaj Kumar Singh, Mr. Shubham Singh	599181
A method for fabrication of a biosensing device and a product thereof	Dr. Sanjeev Kumar Mahto, Mr. U. Kashivishwanathan, Prof. Neeraj Sharma, Mr. Ajay Kr. Sahi, Prof. Satyabrata Jit, Mr. Chandan Kumar	599378
A method of synthesis of an arylalkanoic acid derivative and a product thereof	Dr. Shreyans Kumar Jain, Dr. Vinod Tiwari, Ms. Nancy Tripathi, Mr. Deepak Chouhan, Ms. Nivedita Bhardwaj, Ms. Sanju Kumari, Ms. Sanheeta Chakrabarty, Ms. Nivedita Verma, Mr. Akhilesh Kotiyal, Mr. Sanjay Kumar	599429
System and method for autonomous pest detection and targeted fertigation in precision agriculture	Dr. Ajay Pratap, Abhay Dumka, Himanshu Singh	599464
A method of preparation of biodegradable packaging material from rice straws	Dr. Prodyut Dhar, Rahul Ranjan, Rohini Rai	599784
Metallurgical simulation system with microstructure generation	Dr. Srihan Dodia	599802
A thermoresponsive hydrogel-based formulation and a method of synthesis thereof	Dr. Vinod Tiwari, Dr. Avaniash Parmar, Rohan Dattatray Londhe, Shikha Tripathi, Obulapathi Ummadisetty, Madhuri Haridas Dhande, Dr. Anurag Kumar Singh, Deepak Chouhan, Simesh Agrawal, Nivedita Verma, Vaibhav Thakur	599906
A construction block and a method of preparation thereof	Dr. Supriya Mohanty, Prof. Pabitra Ranjan Maiti, Mr. Sher Bahadur Singh	600067
A foldable bicycle	Dr. Jeewan Vachan Tirkey	600185

Projects sanctioned in August

Title of Project	Name of Funding agency	Period of the Project Sanction	Total cost of Project in Rs.
AI-Powered Zero-Knowledge Proof-based Security Framework Integrating PQC and QKD for Next-Generation 5G/6G Networks	SPARC	02 years	10,224,000
Use of Municipal Solid Waste Reject as a Pavement Material: A Sustainable Approach	MoRTH	03 years	13,882,960
Development of a bioelectronics device for diagnosis of myocardial infarction in iPSC-derived human cardiomyocyte models using metal halide perovskite nanohybrids	ANRF	03 years	4,751,116
Implementation and Evaluation of ZIB systems for sustainable energy solutions in mining operations	MoM (Ministry of Mines)	02 years	5,300,000
Procurement of High-End Workstations for Undergraduate Education & Innovation	CSR (Corporate Social Responsibility)	01 year	2,650,000

Total, 5 projects were officially sanctioned during this period, with cumulative funding amounting to Rs. 36,808,076. These achievements highlight the institute's steady progress in fostering impactful research, innovation, and development across diverse domains.

Media Section



IIT (BHU) Strengthens Higher Education through Research and Innovation



IIT (BHU) Celebrates the 80th Independence Day

Innovation

In August 2026, the Selection and Investment Committee (SIC) and the RKVY-RAFTAAR Incubation Committee (RIC) convened in hybrid mode to review the progress and performance of startups from previous cohorts. Following the evaluation, the SIC recommended three startups for financial support ranging from Rs 3.0 lakh to Rs 3.5 lakh, while the RIC recommended eight out of nine startups for financial assistance, amounting to a total support of Rs 28.60 lakh. Adding to these achievements, M/s Freshnic Agri-Business Pvt. Ltd., one of the incubated startups, was granted a patent for its innovative product designed for irrigation purposes, marking another significant milestone for the incubator.



The Student Counselling Services (SCS) organized several initiatives to promote student well-being and development. The latest edition of Folk's Companion, a comprehensive guidebook for freshers, was released to help students transition smoothly into campus life. The guidebook features a campus map, academic resources, Institute services, essential portals, emergency contacts, and information on SCS initiatives and support services. The Wellness Council also organized Krishna Quest, a scripture-inspired treasure hunt that witnessed participation from over 390 students, along with hostel interactions with campus counselors. A Life Lessons Workshop on the *Ramayana* with author Ami Ganatra and activities commemorating Friendship Day and Book Lovers' Day were also conducted. Through these initiatives, SCS continued to provide students with opportunities for interaction, guidance, and engagement while fostering a supportive campus environment.



Student Updates



The Social Service Council organised 'Letters to Soldiers' on Independence Day and 'Rakhi for Soldiers' during Raksha Bandhan, engaging students and visitors in expressing gratitude towards the armed forces and fostering the values of service, respect, and solidarity. The Social Projects Club began its new term

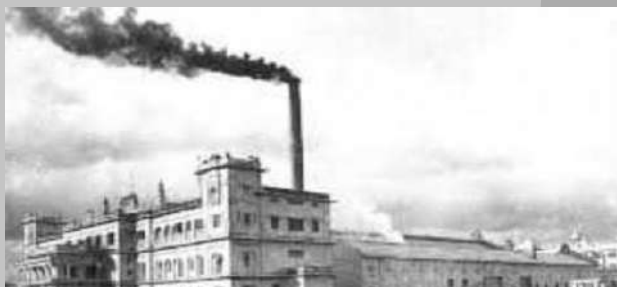
with the induction and orientation of freshers, introducing them to the club's vision, ongoing initiatives, and social impact projects. The team also finalised semester projects, initiated research and development, developed a basic prototype, and conducted lab visits to understand chemical waste collection and management. Team Sahyog continued its educational outreach through four school visits, including a special Independence Day visit featuring inspiring student performances, dramas, and gymnastics. The team also supported NMMS preparations through regular guidance and smart classes. A successful fresher induction with creative games and interactive activities further strengthened the team, while preparations for a Sports Day in September were also initiated.



The E-Cell at IIT (BHU), Varanasi, focused on strengthening its entrepreneurship network and student engagement across campus in August. The team reached out to industry experts, mentors, and judges through calls, emails, and LinkedIn, managing follow-ups, confirmations, and scheduling for various programmes. It also prepared promotional materials, certificates, and itineraries for events, fresher orientation, and mentorship initiatives, along with regular social media content to keep students informed. Fresher focused stalls and outreach campaigns further helped the Cell connect with the newly admitted batch and introduce them to its initiatives. Throughout the month, the team coordinated the complete pipeline for expert participation, from initial outreach to final confirmation, ensuring smooth execution of programmes. These efforts contributed to expanding the Cell's network and fostering greater entrepreneurial engagement across campus.

Did You Know

The iconic **BENCO** Chimney, built in 1930, once stood over a power plant that supplied electricity to half of Varanasi. The original chimney became a symbol of IIT(BHU)'s engineering heritage and was reconstructed during the Institute's centenary celebrations.



Alumni Registrations



The Office of the Dean (Resource & Alumni Affairs) has created an official alumni portal that allows alumni to reconnect with their fellow batchmates after completing a simple registration process.

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.

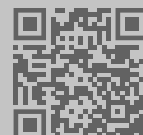


Click/Scan QR code

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.





— THE FIRST STEP INTO THE NEW JOURNEY — ORIENTATION'26

A New Chapter Begins For IIT (BHU), Varanasi's newest members,

The Orientation and Induction Programme 2026 commenced with a warm welcome to the newly admitted undergraduate students and their parents. Director Prof. Amit Patra interacted with the parents and shared the Institute's vision of fostering excellence, research, leadership, ethical values, and the holistic development of students. The programme subsequently familiarized freshers with the academic environment and opportunities at the Institute through addresses by Prof. Satyabrata Jit, Chairman, Prof. Indrajit Sinha, Associate Dean (Academic Affairs, UG); and Prof. Anurag Ohri, Associate Dean (Academic Affairs Core Courses).

Students also received insights into internships and placement

preparation from Dr. Suryadeo Yadav, Deputy Coordinator, Training & Placement Cell, while Prof. Hiralal Pramanik, Dean (Resource & Alumni), highlighted the role of the Institute's alumni network. Sessions focused on student welfare, residential life, research opportunities, and campus discipline, with insights from the Deans and faculty members. Commander Veerendra Kumar Jaitly (Retd.) delivered a motivational address, drawing from his journey from IIT Kharagpur to the Indian Navy and emphasizing discipline, integrity, and nation-building. The Institute also organized Deeksharambh, an orientation programme for newly admitted PG and PhD scholars. The programme introduced scholars to academic and career support

facilities, student welfare, hostels, campus security, the Training & Placement CCIS, Library, and CIF. Freshers were introduced to the diverse student ecosystem with student bodies including the Social Service Council, Students' Parliament, Games and Sports Council, SNTC, FMC, PR Cell, E-Cell, SAIC, Research Cell, and TPC showcasing opportunities across service, sports, innovation, creativity, alumni engagement, research, and professional development. Sessions by YourDOST and on-campus counsellors highlighted mental well-being. The programme concluded with the National Anthem, High Tea, and a Display of Stalls, enabling students to explore various student bodies and opportunities available at the Institute.

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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