

ALMA COMMUNIQUÉ

Alumni Newsletter (Apr '26)



Institute Updates



1. The International Relations Office of IIT (BHU) Varanasi organized an informative session on Fulbright Nehru Fellowships on 8 April 2026 in collaboration with the United States-India Educational Foundation (USIEF). The session provided detailed insights into opportunities for higher studies, research, teaching, and professional development in the United States under the Fulbright Program. Faculty members, postdoctoral researchers, and Ph.D. scholars actively participated in discussions on fellowship categories, eligibility criteria, application procedures, and associated benefits.



2. IIT (BHU), Varanasi signed an MoU with the Indian Railways Institute of Signal Engineering and Telecommunications (IRISSET), Secunderabad, to strengthen academic and research activities in Railway Signal Engineering and Kavach, India's Automatic Train Protection (ATP) system. The collaboration will promote specialized courses, internships, faculty development programs, and technical training, while providing students and faculty access to IRISSET's laboratories and railway facilities, further strengthening industry-academia collaboration in support of *Atmanirbhar Bharat*.



3. AdhyAI, a one-day mega event was organized through the joint collaboration of Think India, Meta, Department of IT & Electronics (UP) and IIT (BHU), Varanasi, bringing together over 350 delegates from institutions across the country to discuss the role of Artificial Intelligence in innovation and nation-building. Speakers highlighted themes such as responsible AI, digital inclusion, cognitive development, and India's growing leadership in the AI sector. The summit concluded with expert talks and a panel discussion featuring Adv. Varun Pratap Singh, Prof. V.K. Singh, and Prof. Saurabh Rai.



4. IIT (BHU), Varanasi, in collaboration with the Institute of Science, BHU, successfully organized Pragyan'26, a three-day annual science festival at Swatantrata Bhavan, bringing together over 8,000 students from more than 100 schools. The festival featured science exhibitions, quizzes, workshops, and inspiring sessions by eminent scientists including Padma Shri Prof. A. S. Kiran Kumar, Prof. Anil Bhardwaj, and Padma Shri Prof. H. C. Verma. Hands-on workshops and live demonstrations by IIT (BHU) clubs further enriched the experience, with the event concluding by felicitating over 120 competition winners.



5. A delegation led by Hon'ble Director Prof. Amit Patra, along with Dean (Resource and Alumni) Prof. Hiralal Pramanik and Dean (Research and Development) Prof. Rajesh Kumar, visited the United States from 16 to 24 April 2026 for Alumni Meets in Chicago and San Diego, and participation in the PAN IIT 2026 Conference at Long Beach, California. The visit focused on strengthening alumni engagement, fostering academic collaborations, and exploring opportunities in research and development through interactions with alumni, scholars, and industry stakeholders.

To explore more about the visit to the US, please refer to the Creative Section of this edition on Page 4.

Internship/Placement Updates

The Training and Placement Cell at IIT (BHU), with the continued support of students, successfully facilitated the placement and internship processes for the academic year 2025–26. As of 7 April 2026, a total of 1306 placement offers (including PPOs) and 478 internship offers have been secured, reflecting strong industry participation.

The highest internship stipend reached Rs. 11,00,000 per month, while the average stipend stood at Rs. 1,18,783 per month. The highest salary package offered was Rs. 1,67,00,000 per annum, with the average package being Rs. 29,82,133 per annum.

Offers were received from reputed companies like Google, Microsoft, Amazon, Goldman Sachs, Qualcomm, Uber, Oracle, Wells Fargo, Cisco, Flipkart, Mastercard, Eightfold.ai, DE Shaw, JPMC, BNY, Tata Steel, and many others, highlighting the Institute's strong industry connect and academic excellence.

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 April 2026, a total of 18 patents were filed, while 6 patents were successfully granted, reflecting the institute's commitment to innovation and technological advancement.

Patents filed in April

Title	Faculty	Filing Date
Magnetic Biochar-Based Composite, A Method of Preparing the Same, and Uses Thereof	Prof. Dhanesh Tiwary, Anup Kumar, Raju Pandey, Rajat Singh, Yogendra Pal Singh	02/04/2026
A Method of Preparation of a Semiconductor Material for an Optoelectronic Device	Prof. Prabhakar Singh, Swarnima Singh	03/04/2026
An Anti-Cancerous Composition and A Method of Preparation Thereof	Prof. Vikash Kumar Dubey, Shiv Kumar	06/04/2026
A Bioengineered Photocrosslinked Hydrogel Patch for Hemostasis and Enhanced Wound Healing and Methods Thereof	Dr. Sudip Mukherjee, Ms. Durba Banerjee	08/04/2026
A System and Device for Image-Based Detection of Canine Diseases	Dr. Prasenjit Chanak, Nuthan Chingetham, Ayush Sharma, Riya	08/04/2026
Fluorescent Metal-Organic Framework Composition for Visualization of Latent Fingerprints and Method of Preparation Thereof	Prof. Chandan Upadhyay, Prof. Arpita Dwivedi,	09/04/2026
Visible Light Mediated Metal-Free Photocatalytic Process for Synthesis of Tosyl Hydrazones	Prof. Sundaram Singh, Pooja Kumari	10/04/2026
A Thermally Controlled Multifunctional Polarization Independent Metasurface	Dr. Somak Bhattacharya, Ajeet Singh Verma	13/04/2026
Magnetic Nanohybrid Composition and Biosensing System for Detection of Cancer Biomarkers	Dr. Pranjal Chandra, Rashmita Priyadarshini Swain, Supratim Mahapatra	17/04/2026
A Thiocarbamide Derivative as an Acetylcholinesterase Inhibitor and A Method of Synthesis Thereof	Hansal Kumar, Yash Sanjay Mohod, Prof. Sushant K Shrivastava	18/04/2026
A Carbamide Derivative as an Anti-Neurodegenerative Agent and A Method of Synthesis Thereof	Hansal Kumar, Ashutosh K Yawalkar, Prof. Sushant K Shrivastava	18/04/2026
Method and System for Identifying a Bridge Influence Line Using Bayesian Inference	Prof. Samim Mustafa	21/04/2026
Data Acquisition System for Real-Time Structural Response Monitoring and Method Thereof	Prof. Samim Mustafa, Mr. Abhishek Kumar Srivastava	21/04/2026
A Ferroelectric Dielectric Composition for Capacitive Energy Storage and A Process for the Preparation Thereof	Prof. Akhlesh Kumar Singh, Deep Mala, Chandra Bhai Singh	23/04/2026
Glucose Sensing Device, Its Process of Preparation and Applications Thereof	Prof. Bhola Nath Pal, Chinmoy Pan, Dr. Sudip Mukherjee, Dr. Pradip Kumar Roy	25/04/2026
A Real-Time Livestock Identification and Verification System and Method	Prof. Sanjay Kumar Singh, Dr. Chiranjit Pal, Dr. Indradeep Mastan, Dr. Arun Kumar Sangaiah, Dr. Prasenjit Chanak	25/04/2026
System and Method for Controlling Robots in Stochastic Environments	Dr. Cherian Samuel, Aryan Arya	28/04/2026
Portable Real-Time DAQ System and Method for RS422-Based Accelerometers	Prof. Samim Mustafa, Mr. Abhishek Kumar Srivastava	29/04/2026
Ordered Bimetallic Nanocrystals and Their Use as Catalysts for Large-Area Growth of Two-Dimensional Molybdenum Disulfide Films	Dr. Santanu Das, Sumit Pratap Singh, Sonu Sharma	29/04/2026

Patents granted in April

Title	Faculty	Patent Number
An Injectable Hydrogel Composition and A Method of Preparation Thereof	Dr. Sudip Mukherjee, Lipi Pradhan, Sumit Mannan	586358
High-Performance Aqueous Asymmetric Supercapacitor Device Using ABO ₂ -Type Pseudocapacitor Electrodes	Mr. Abhay Narayan Singh, Dr. Chandana Rath, Dr. Preetam Singh	586415
An Advanced Filter Based System for Optimizing Query Performance	Dr. Ravindranath Chowdary, Abhishek Singh Arya	586623
A System and Method for Remote Health Monitoring Based on Fog Computing Network	Dr. Ajay Pratap, Moirangthem Biken Singh, Himanshu Singh	586671
A Four-Pulse Based DC Link Power Converter	Dr. Vivek Nandan Lal, Prof. Rajeev Kumar Singh, Aman Kumar	587100
A Phase Change Material Composite and Process for Preparing the Same	Dr. M. S. Muthu, Mr. Abhishek Kumar Mehata, Ms. Jyoti Bonlawar, Mr. Aseem Setia	587397

Title of Project	Name of Funding agency	Date till Project Sanctioned	Total cost of Project in Rs.
FasalRath: An App-Driven AgriTech Ecosystem for Smart and Sustainable Farming in Eastern Uttar Pradesh	I-DAPT, IIT(BHU)	19/03/2026	14,85,000
Investigation of electrocatalytic activity of 2D materials	Ingenero	11/03/2026	20,80,000
Endothermic fuels for supersonic applications: Investigation of thermal stability, soot formation and endothermicity with nano-additives	DRDO	04/02/2026	9,98,690
Recycling of Industrial, Agricultural and Municipality Waste into Value-added Products for Engineering Applications	CSR	06/01/2026	7,00,000
Development of an AIoT-Based Intelligent Nigai Detection and Early Warning System for Agricultural Crop Protection in Eastern Uttar Pradesh	I-DAPT, IIT(BHU)	19/03/2026	14,98,200
AI-Driven Predictive Modeling of Concrete Bunker Failure under Warhead Penetration Loads	I-DAPT, IIT(BHU)	19/03/2027	14,91,600
An Adaptive, Network-Aware Scheduling Policy with Data-Driven Analysis for Improving Performance in HPC Clusters	I-DAPT, IIT(BHU)	19/03/2028	14,90,500
Data Driven Predictive Framework for Rapid Design and Synthesis of Customized Conducting Polymers for Stealth Technology	I-DAPT, IIT(BHU)	19/03/2029	14,85,000
AI-assisted LIFI-based indoor mobility guidance system for visually impaired	I-DAPT, IIT(BHU)	19/03/2030	3,01,400
Development of an Embedded System for identifying DEG, DTI and PK of PDAC using Transcriptomic Data and Artificial Intelligence	I-DAPT, IIT(BHU)	19/03/2031	14,99,960
Low Cost Solar Panel Cleaning System	I-DAPT, IIT(BHU)	19/03/2032	14,96,000
Validation of siRNA, Ploymeric Nanomedicine for TNBC therapy: Data analytic based patient derived clinical study with FLOR gene-targeted treatment	I-DAPT, IIT(BHU)	26/03/2026	14,96,000
Learning assisted phase sensor for rapid screening of cells and automated decision making	I-DAPT, IIT(BHU)	30/03/2026	24,75,000
Development of a fault-tolerant PV-battery based micro-grid model suitable for rural electrification.	CFRI	15/04/2026	40,50,000

Additionally, 14 projects were officially sanctioned during this period, with cumulative funding amounting to Rs. 2,27,03,700. These achievements highlight the institute's steady progress in fostering impactful research, innovation, and development across diverse domains.

Media Section



IIT-BHU's MoU with Shakuntala Devi University to boost research collab

IIT-BHU's MoU with IRISSET Secunderabad to promote 'Kavach' technology

Student Updates



The International Relations Office organized an interactive session of International Students with the Director of IIT (BHU), Varanasi on 13 April 2026 at the Director's Office. The programme provided a platform for meaningful interaction, where students shared their academic and cultural experiences at the Institute.

The session highlighted the Institute's commitment towards fostering an inclusive and engaging environment for the international student community.

The E-Cell at IIT (BHU) Varanasi continued fostering entrepreneurial engagement on campus through interactive sessions and flagship initiatives during April 2026. The Cell hosted an interaction with Sanket Lahoti, Partner at Campus Fund offering students insights into entrepreneurship, mentorship, and funding opportunities. The month also saw the launch of The Big Brand Theory 2026, the Cell's flagship branding and marketing competition.





The Student Counselling Services organised several initiatives to promote students wellbeing, skill development and career growth. The Wellness Council conducted Wellness Workshop 2026 and Anandotsav 2026 to encourage mental health awareness, emotional well-being, and student interaction.

The Academics Council organised Future Career Opportunities-GATE, featuring guidance sessions by successful GATE achievers. The Skill Development Council conducted workshops such as 'The SDE Blueprint' and Mastering Data Structures and Algorithms with Python while the Career Council organised the 'Acing Intern' series focused on resume building, interview preparation and career guidance. These initiatives collectively contributed to a supportive and growth-oriented campus environment.

Events

SPiRiT '26

The Department of Pharmaceutical Engineering and Technology at IIT (BHU), Varanasi, successfully organized Spirit'26, the annual Techno Pharma Conference, from 3 to 5 April 2026 at the ABLT premises. As the flagship conference organized under the guidance of organizing secretary Dr. Ruchi Chawla, along with co-organizing secretaries Dr. Rajnish and Dr. G. P. Modi, it brought together students, researchers, scholars, and industry experts for insightful discussions on emerging trends in pharmaceutical sciences and technology. With participation from over 300 attendees, the conference fostered interdisciplinary learning, technical exposure, and meaningful knowledge exchange.



Vaisakhi



Vaisakhi 2026 was celebrated at IIT (BHU), Varanasi with devotion, enthusiasm and community spirit at Gurudwara Sahib, Rajputana Hostel. The celebrations included *Shri Akhand Path Sahib*, *Kirtan*, *Katha*, *Ardaas*, *Gatka* demonstration, and *Guru ka Langar*, witnessing participation from students, faculty, and members of the local community. The event reflected the spirit of seva, unity, and gratitude, while also highlighting the rich heritage of the Gurudwara Sahib established by Mahamana Pt. Madan Mohan Malaviya in 1927.

A Day in Life of

SAIC launched 'A Day in Life of' under Connect and Learn, an initiative aimed at providing students with direct industry exposure through short externship experiences guided by IIT (BHU) alumni. The programme enables students to explore workplace environments, interact with professionals across diverse industries, gaining understanding of industry expectations and career pathways. Through industry interaction and exposure, the initiative aims to help students understand real industry environments.



CDP '26

Career Development Programme (CDP), the flagship initiative of the Training and Placement Cell at IIT (BHU), Varanasi, successfully concluded its 4th edition this year. The inaugural ceremony featured addresses by distinguished academic and industry leaders, including Mr. Tapash Nandy, Director of DIA-CoE at IIT (BHU), the programme, featuring Chief Guest Mr. Mohan Gopalratnam, a Business Strategy Faculty and Management Consultant engaged over 3,500 students through sessions by organizations like Microsoft, BNY, HPCL, Atlassian, Visa, and Rippling, providing valuable industry exposure and career insights.



Faculty Updates



Dr. Shivam Verma, Associate Professor in the Department of Electronics Engineering at IIT (BHU), Varanasi, has been selected for the prestigious Visiting Scholars Programme 2026 at the University of Bordeaux, France, under the France 2030 initiative. He will serve as a 'Professeur Invité (Visiting Professor)' during his

research stay from 1 May to 31 July, 2027. His project, titled 'Advanced Compact Modelling and Benchmarking of Ferroelectric FET Devices for Neuromorphic Computing Applications', focuses on next-generation semiconductor devices for neuromorphic computing systems. The research will be conducted in collaboration with Prof. Cristell Maneux at the University of Bordeaux. This achievement highlights the growing global presence of IIT (BHU) in advanced research and innovation.

Alumni Updates

Student Alumni Interaction Cell

The Student Alumni Interaction Cell launched the Internship Drive of its Alumni-Guided Mock Interviews initiative to support students in preparing for internship interviews through real interview exposure and personalized guidance from alumni mentors. The initiative focuses on helping students build confidence, improve communication skills, and gain practical insights into professional interview processes through structured one-on-one mock interview sessions.



Alumni-Guided Mock Interviews

SAIC invites you to support students as they prepare for the upcoming internship season.

Register as an Interviewer

Through mock interviews, you can share real-world insights, evaluate candidates, and help them build confidence for actual placements. Your experience can directly shape a student's journey.



ABOUT PANIIT

A high-level delegation from IIT(BHU) Varanasi visited Chicago, San Diego, and Long Beach, California to strengthen alumni engagement, foster academic collaborations, and participate in the prestigious PANIIT 2026 Conference.

COVERAGE PERIOD: APRIL 15-25, 2026

IIT(BHU) Overseas Outreach

Strengthening global alumni, academic, and innovation partnerships across borders

ACROSS THE GLOBE

The multi-city US visit showcased IIT(BHU)'s expanding global footprint through strategic collaborations, industry engagements, and meaningful alumni interactions.

Beyond Borders: IIT(BHU)'s Journey of Innovation, Alumni Engagement, and International Collaboration



A high-level delegation from IIT(BHU) Varanasi, led by Hon'ble Director Prof. Amit Patra along with Prof. Hiralal Pramanik, Dean (Resource & Alumni), and Prof. Rajesh Kumar, Dean (Research & Development), visited the United States from 16-24 April 2026 to strengthen global alumni engagement, foster academic collaborations, and explore innovation-driven partnerships. The delegation visited Chicago, San Diego, and Long Beach, California, where they interacted with distinguished alumni, academic leaders, industry experts, and global institutions. Key discussions focused on the proposed "School of Physical AI," future collaborations in Artificial Intelligence, robotics, healthcare technologies, and interdisciplinary research. The team visited the University of California, San Diego (UCSD), Teradata, and Dexcom, exploring opportunities for research partnerships, AI integration, startup support, and institutional development.

The delegation also participated in the prestigious PANIIT 2026 Conference at Long Beach, engaging with global IIT alumni, researchers, and innovators. Through alumni meets, strategic discussions, and international networking, the visit significantly enhanced IIT(BHU)'s global outreach, institutional visibility, and collaborative ecosystem, reinforcing its commitment to innovation, academic excellence, and international partnerships. The visit also encouraged stronger alumni participation in future institutional initiatives and opened new avenues for long-term international collaborations in research, technology, and innovation-driven education.



Key Outcomes & Collaborations

The visit created meaningful opportunities through partnerships, research interactions, alumni engagement, and innovation-focused collaborations across the United States.

The US outreach initiative created impactful opportunities for IIT(BHU) across academics, industry, and alumni engagement. One of the key highlights was the proposed "School of Physical AI," which received support and guidance from internationally recognized academicians and alumni leaders. Meetings at UCSD explored interdisciplinary research opportunities in AI, robotics, agriculture, and medical technologies.

Interactions with companies such as Teradata and Dexcom focused on AI applications, smart digital systems, healthcare innovation, startup incubation, and future-focused institutional collaborations. Teradata also expressed interest in supporting institutional digital infrastructure and academic partnerships through AI-enabled technological solutions and collaborative initiatives.

The visit further strengthened IIT(BHU)'s global alumni network through strategic discussions and networking sessions held across multiple cities. Participation in PANIIT 2026 enhanced the institute's international visibility, providing a platform to showcase its academic strengths, innovation ecosystem, future vision, and collaborative potential before a global audience of researchers, entrepreneurs, policymakers, industry leaders, and IIT alumni while encouraging long-term international engagement and future collaborative opportunities.

Inspired by Innovation, Driven by Vision



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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