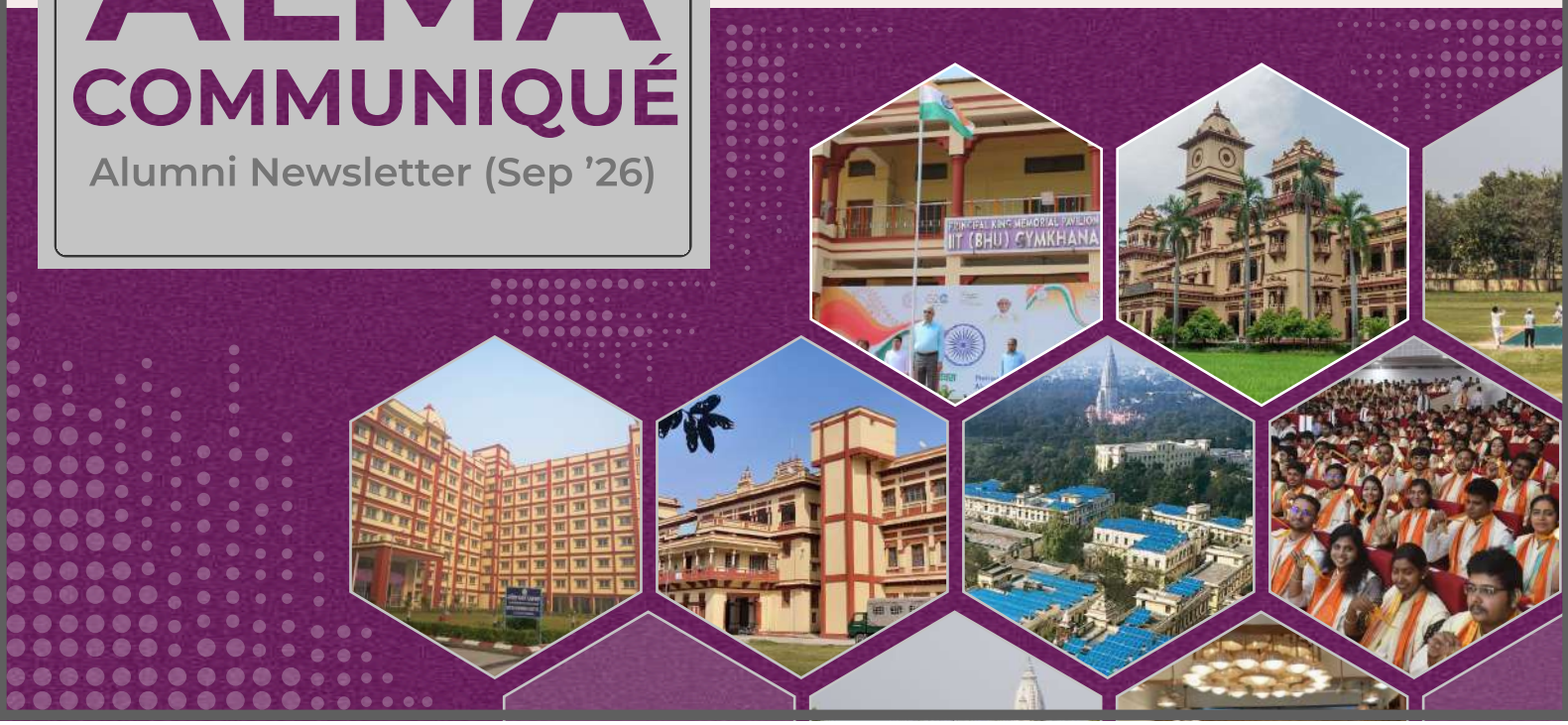
ALMA COMMUNIQUÉ

Alumni Newsletter (Sep '26)

CELEBRATING CENTENARY
IIT (BHU) VARANASI

STUDENT ALUMNI INTERACTION CELL, IIT (BHU), VARANASI



Institute Updates



1. IIT (BHU), Varanasi, hosted the Global South-Japan Tech Talent Internship (GS-JTI) Career Seminar on 2 September 2026, bringing together representatives from Japanese companies across deep-tech, AI, and engineering. The programme featured an introduction to the GS-JTI initiative, company presentations, an interactive quiz, insights from students who completed internships in Japan along with a session on the Talendy Portal.



2. IIT (BHU), Varanasi, augmented its campus transportation facilities with two new buses, each with a capacity of 32 passengers. The buses were inaugurated on 14 September 2026 at the Student Activity Centre by Hon'ble Director, Prof. Amit Patra, in the presence of Registrar Shri Sumit Kumar Biswas, and other Institute officials, faculty members, and staff. Prof. Amit Patra emphasised the importance of safe, efficient, and accessible transportation, noting that the addition would strengthen campus connectivity and improve student facilities.



3. A delegation from IIT (BHU), Varanasi, led by Hon'ble Director Prof. Amit Patra, along with Dean (Resource and Alumni Affairs) Prof. Hiralal Pramanik, and Head of the Department of Electrical Engineering, Prof. Rajeev Kumar Singh visited the United States from 31 August 2026 to 11 September 2026 for the Global Alumni Meet (GAM) 2026 in Chicago and academic engagements with leading universities. The visit strengthened alumni relations and explored collaborations in artificial intelligence, electric mobility, semiconductors, drug discovery, and agricultural technologies. The Global Alumni Meet brought together approximately 200 alumni and guests to discuss technology, entrepreneurship, and innovation. The delegation also signed an MoU with the University of Michigan to advance research collaboration in electric mobility.



4. IIT (BHU), Varanasi signed a Memorandum of Understanding (MoU) with the University of Michigan, Ann Arbor, on 8 September 2026 at the University of Michigan Electric Vehicle Center. Hon'ble Director, Prof. Amit Patra, led a high-level delegation to the University of Michigan for discussions on ongoing CTEM projects and future collaborative initiatives. The partnership led to the formation of a collaborative Materials Research Team to develop a long-term roadmap for advanced research in electric mobility, supported by esteemed alumni of IIT (BHU), Varanasi.



5. The *Rajbhasha Prakoshth*, IIT (BHU), Varanasi, organised an evening of *'Kabir Nirgun Gayan'* on 17 September 2026 as part of the 'Hindi Maah-2026' celebrations. The event featured a soulful performance by Padma Shri Bheru Singh Chauhan and his troupe, bringing Kabir's timeless philosophy to life through music. The evocative renditions immersed the audience in the spiritual depth of Kabir's verses, highlighting their enduring relevance and universal message.



6. As part of Special Campaign 6.0, IIT (BHU), Varanasi, organised a cleanliness drive at its Day Care Centre on 26 September 2026. Faculty members, staff, and participants joined hands to promote a clean, and healthy environment for toddlers, reaffirming the Institute's commitment to cleanliness, hygiene, and collective responsibility. It highlighted the need for maintaining hygienic spaces for children and encouraging community participation in cleanliness efforts.

Internship/Placement Updates

The Training and Placement Cell at IIT (BHU), Varanasi, has continued to witness strong industry participation for the academic year 2026-27. As of 6 October 2026, a total of 481 internship offers and 222 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 is Rs. 34,49,067 per annum. These figures highlight the 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, Sprinklr, InMobi, Expedia Group, Visa, Cisco, Bloomberg, Deutsche Bank, Siemens, and other recruiters, reaffirming the Institute's strong industry partnerships and robust internship and placement ecosystem.

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 September and 30 September , a total of 24 patents were filed, and 16 patents were granted. Progress in research continues to drive new developments.

Patents filed in September

Title	Faculty	Filing Date
Terahertz electromagnetic dielectric sensing system using a hybrid-metal jerusalem-slot patch antenna	Dr. Smrity Dwivedi, Mr. Vaibhav Kumar Kamal	01/09/2026
Organic field-effect transistor based sensing device and fabrication method thereof	Dr. Shivam Verma, Jitendra Krishna Arya	02/09/2026
A system and method for reliable path estimation in emergency ambulance network	Dr. Ajay Pratap, Himanshu Singh, Mithlesh Yadaw	05/09/2026
A portable thermoelectric refrigeration apparatus	Prof. Jahar Sarkar, Aakash Mani, Kumar Gautam	11/09/2026
Grid-connected hybrid energy storage system and method for DC microgrids	Prof. Rajeev Kumar Singh, Sudeep Kumar Mohaney, Ankit Kumar Pratihasta	11/09/2026
A single-phase single-stage high gain bridgeless power factor correction converter	Prof. Santosh Kumar Singh, Raj Kumar Mahto, Shailendra Yadav	12/09/2026
An integrated isolated photovoltaic-battery power conversion system for grid, home and battery power flow control	Prof. Vivek Nandan Lal, Prof. Rajeev Kumar Singh, Arya Singh, Aman Kumar	12/09/2026
A method of green synthesis of metallic nanoparticles and a product thereof	Sanjeev Kumar Mahto, Snehlata Yadav, Pooja Kumari	12/09/2026
Masonry unit and method for manufacturing the same	Dr. Supriya Mohanty, Mr. Arun Kumar Gupta	12/09/2026
A refractory castable composite and a method of preparation thereof	Dr. Manish Kumar, Prof. Manas Ranjan Majhi	12/09/2026
Thiophene-based heterocyclic derivatives, synthesis method and applications thereof	Dr. Rajnish Kumar, Harikesh Kumar Gupta, Vishwakarma Krishna Ramesh	15/09/2026
Hemorrhage emergency management system and method for care allocation and routing	Dr. Ajay Pratap, Himanshu Singh, Sachith Shibineni	16/09/2026
AI-enabled wearable rehabilitation and assistive mobility system and method	Dr. Pankhuri Jain	16/09/2026
Wearable lower-limb exoskeleton system and method with heterogeneous actuation and multimodal sensing	Dr. Pankhuri Jain	16/09/2026
A process for preparation of C-2 chalcogen-substituted glycal compounds and compounds thereof	Dr. Deepak Kumar, Ms. Pallavi Saha	17/09/2026
System and method for AI-based Alzheimer's disease and vascular dementia detection	Dr. Shyam Kamal, Abhishek Pathak, Sweta Kumari, Sneha Sharma, Eram Taslima, Tanima Dutta	22/09/2026
Biomarker composition and method for predicting dengue disease severity	Dr. Sumit Kumar Singh, Santanu Singh, Pranjal Chandra	22/09/2026
System and method for inferential-concept discovery and predictive vocabulary synthesis for content understanding and captioning	Dr. Tanima Dutta, Deepali Verma	22/09/2026
Device for providing multifunctional polarization conversion and electromagnetic absorption in terahertz frequency regime	Dr. Somak Bhattacharya, Ajeet Singh Verma	24/09/2026
System and method for AI-enabled adaptive gait rehabilitation using multimodal sensors and remote supervision	Dr. Pankhuri Jain	24/09/2026
System and method for intelligent fall risk assessment and personalized safety recommendations	Dr. Tanima Dutta, Nitika Nigam	24/09/2026
A method for fabrication of a heterostructure nanoarchitecture and an electrochemical sensing probe thereof	Dr. Pranjal Chandra, Ankur Singh, Sunayana Chowdary Vunnam	28/09/2026
An optical imaging-based biosensor and a method of preparation thereof	Dr. Sanjeev Kumar Mahto, Narayan Yadav, Sushmitha Paulraj, Pooja Kumari, Snehlata Yadav, Richa Singh	28/09/2026
Manufacturing control system and method for controlling a wire arc additive manufacturing (WAAM) operation	Dr. Joy Prakash Misra, Dr. Shubham Verma, Aakash Chourasia, Aman Chourasia, Ashish Kumar Patel, Lalit Kumar Yadav, Gaurav Singh	29/09/2026

Patents granted in September

Title	Faculty	Patent Number
A polymeric micelles-based nanoformulation and a method of synthesis thereof	Prof. M. S. Muthu, Ms. Nandini Vinodrao Randhave, Ms. Aseem Setia	601476
A method for processing of a non-biodegradable waste	Dr. Vishal Mishra, Yash Dilip Phalke	601479
A method for isolating an anti-cancerous agent	Dr. Shreyans Kumar Jain, Dr. Gudasalamani Ravikanth, Sanju Kumari, Sanheeta Chakrabarty, Sanjay Kumar	601530
Stradefylline nanocrystals loaded hydrogel and method of preparation thereof	Dr. Dinesh Kumar, Ashish Kumar Agrawal, Srishti Singh, Madu Kiran D R, Maan Singh, Gaurav Diwakar Mhaske	601650
A composite catalyst for Fenton and photo-Fenton reaction and a method of synthesis thereof	Prof. Indrajit Sinha, Maheshwari Yadav	601836
A broadband photodetector and a method of fabrication thereof	Dr. Amritanshu Pandey, Prashant Kumar Gupta, Yashwant Puri Goswami	601900
A phosphor-based luminescent material for anti-counterfeiting and a method of fabrication thereof	Shruti Sajwan, Dr. Sunil Kumar Singh	602077
A bio-inorganic complex and a method of synthesis thereof	Dr. Samya Banerjee, Dr. Sudip Mukherjee, Arif Ali Mandal, Anjali Upadhyay, Ishwar Singh	602168
A carbamate-based tryptamine derivative and a method of synthesis thereof	Dr. G. P. Modi, Sunil Kumar, Gauri Shankar	602292
System and method for detecting urea in a biological sample using nanohybrid-based biosensor	Dr. Pranjal Chandra, Daphika S. Dkhar, Arvind Mohan Kayastha, Prince Kumar	603266
A system and method for segmentation of retinal blood vessels	Dr. Rajesh Kumar Pandey, Varun Makkar, Arya Tewary	603497
Low-cost lignin derived hydrogel for agricultural applications	Prof. Ram Sharan Singh, Shivam Prateek Singh, Rajneesh Kumar, Yogesh Kumar Vishwakarma	603643
A bionanozyme composition and method for the preparation thereof	Dr, Pandeeswar Makam, Subrat Vishwakarma	603693
Ternary nanocomposite for water purification and method of preparation thereof	Prof. Dhanesh Tiwary, Rajat Singh, Yogendra Pal Singh	603919
A method of extraction of metabolites from cattle urine	Dr. Shreyans Kumar Jain, Ms. Sanju Kumari, Ms. Sanheeta Chakrabarty, Mr. Sanjay Kumar	603938
An accelerometer mounting device	Prof. Brind Kumar, Amar Deep Pandey, Prof. Manoranjan Parida, Ashish Kumar Chouksey	603994

Total, 10 projects were officially sanctioned during this period, with cumulative funding amounting to Rs. 55,81,48,703. These achievements highlight the institute's steady progress in fostering impactful research, innovation, and development across diverse domains. The sanctioned projects reflect the institute's commitment to addressing contemporary challenges through scientific inquiry and technological advancement initiatives.

Projects sanctioned in September

Title of Project	Name of Funding agency	Period of the Project Sanction	Total cost of Project in Rs.
Indigenous Development and Clinical Translation of a Cooled Radiofrequency System for Day-Care Treatment of Deviated Nasal Septum	ICMR	04 years	70,76,198
Molten metal electrolysis-an alternate route of steelmaking	SRTMI	02 years 07 months	88,88,000
To Establish a Scalable, Pilot Level Biomanufacturing Process for Epirubicin Production using microbes streptomyces clavuligerus from cane molasses	DBT	02 years	1,07,69,440
Center for Sustainable Hydrogen Technologies and Fuel Cell Developments	UPNEDA	05 years	49,99,84,000
Development of a Propulsion System Integrated Magnetic Resonance coupled on board wireless EV charger	QUARBZ	01 year	10,00,000
Cultural Mapping and Conservation of Tulsi Ghat Heritage Precinct, Varanasi, India	KNUH	04 months	2,61,140
Novel mitochondrial mediated and brain targeted pharmacotherapy for alcohol use disorder	ICMR	03 years	94,61,006
Synthesis and screening of novel class of metabolites-based triazole analogues for the treatment of hepatic fibrosis	ICMR	03 years	1,36,07,305
Development of geoid augmented high-resolution DEM and its impact assessment for landslide susceptibility mapping	MoES	03 years	29,90,400
AI-Enabled Platform Integrating Stromal Dynamics to predict Immunotherapy Response in Triple-Negative Breast Cancer	ICMR	04 years	41,11,214

Media Section


IIT-BHU & Univ of Michigan sign MoU for electric mobility research

IIT-BHU & Michigan Sign Electric Mobility MoU


IIT-BHU develops tech to turn plastic waste into road material

IIT-BHU Converts Plastic Waste into Road Material

Innovation



The RKVY-RAFTAAR Agri Business Incubator (R-ABI) recorded notable activities during September 2026. Two incubated startups, GSM Amruta Foods Pvt. Ltd. and Srijee Enterprises LLP, participated in the UP International Trade Show 2026, held from 25–29 August 2026 at the India Expo Centre & Mart, Greater Noida, Uttar Pradesh. Their participation provided an opportunity to showcase their products, engage with potential customers, and connect with a wider business and industry network. Such platforms help startups enhance their market visibility and explore potential avenues for business growth and collaboration. Further, 11 RKVY-RAFTAAR startups were recommended for financial support amounting to ₹66.10 lakh during the SIC and RIC meetings held on 18 and 20 August 2026, respectively. This support is expected to help the selected startups strengthen their business operations and advance their entrepreneurial initiatives. These developments reflect the incubator's continued efforts to support emerging agri-businesses, facilitate access to financial resources, and promote entrepreneurship and innovation in the agricultural sector.

Alumni-Guided Mock Interviews

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

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.

Student Updates

The **Student Counselling Services** (SAKHA) organised several initiatives focused on student well-being and overall development. The Wellness Council conducted a Teachers' Day Stall, Appreciation Session, and Heritage Walk, encouraging gratitude, positivity, and meaningful interaction among students. The Career Council organised Career Compass, providing students with exposure to diverse core and non-core career opportunities. An Ask Me Anything (AMA) session with Chirag Uppal (IIT BHU '26, DS-1 at Meesho) was also conducted, offering practical insights into placement preparation and industry expectations. The Skill Development Council conducted a Group Discussion (GD) session to strengthen students' communication and critical thinking skills. The Academics Council organised Remedial Classes and Acing Midsems to support students in their examination preparation. The International Exchange Council conducted a LaTeX Session to help students prepare well-formatted research papers and professional presentations using Beamer. These initiatives reflect the continued efforts of the various councils towards supporting students' academic, professional, and personal growth.

Alumni Updates

Student Alumni Interaction Cell



The Student Alumni Interaction Cell (SAIC) continued its efforts to strengthen student-alumni engagement through an interactive Chit Chat with Alumni session on 12 September 2026, focusing on CONFLUENTIA '26. The session featured Mr. Shiva Gulvady (CHE '82), Dr. Pramod Joshi (ECE '79), and Mr. Arun Anant (CHE '85), who shared insights into the event, its significance for the campus community, and the opportunities it offered students. The SAIC also organised the CONFLUENTIA Hackathon 2026, inviting students to develop solutions to real-world industry problem statements in Core Electronics and Software/AI-ML. With a prize pool of ₹65,000 and over 70 Pre-Placement Interview (PPI) opportunities, the hackathon encouraged students to collaborate, innovate, and build practical solutions. The Round 0 commenced on 13 September, offering participants an early start on the challenge. These initiatives reinforced SAIC's commitment to meaningful alumni engagement, industry exposure, and student development.

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

GLOBAL CONNECTIONS, SHARED FUTURES

IIT (BHU) in the United States | *31 August - 11 September 2026*

Global Alumni Meet '26

200+ Alumni and Guests

The Global Alumni Meet 2026 was held in Chicago on 5 and 6 September 2026, bringing together over 200 alumni and guests under the theme "Human Potential, Machine Intelligence: Building and Leading in the AI Era." The IIT(BHU) delegation, led by Hon'ble Director Prof. Amit Patra, along with Dean (Resource and Alumni Affairs) Prof. Hiralal Pramanik and Head of the Department of Electrical Engineering, Prof. Rajeev Kumar Singh, interacted with alumni, faculty and industry leaders. The event featured keynote addresses, panel discussions and networking sessions on AI, entrepreneurship, technology leadership and the future of work. Prof. Amit Patra highlighted the Institute's development initiatives, research activities and plans for new centres, along with cultural celebrations. The dinner function was graced by Hon'ble Director Prof. Amit Patra, Hon'ble Lieutenant Governor of Jammu & Kashmir Sh. Manoj Sinha, Prof. Hiralal Pramanik, Prof. R. K. Singh, Prof. Pradeep K. Chintagunta and other alumni with their families. The meet enabled alumni to reconnect with the Institute, exchange ideas and explore opportunities for academic cooperation, research partnerships and industry engagement. It further strengthened the Institute's global alumni network and encouraged continued support for its future initiatives.



A pre-alumni meet dinner hosted by esteemed alumnus Sh. Rajeev Khanna in Naperville, Chicago, brought together institute dignitaries and alumni for meaningful interactions, networking, and fellowship.



A meet-and-greet dinner hosted by esteemed alumnus Sh. Shashi Singh in Naperville, Chicago, fostering alumni interaction and strengthening alumni–institute connections.



The session at GAM 2026 highlighted alumni-supported programmes and projects at IIT (BHU), showcasing the contributions of alumni towards institutional development, research, and innovation. It also outlined upcoming alumni engagement initiatives and events aimed at strengthening the alumni–institute network and fostering continued collaboration.



The IIT (BHU) delegation came together with alumni and distinguished guests during GAM 2026, celebrating the institute's enduring alumni network and strengthening connections across the community.



A meet-and-greet dinner hosted at the residence of esteemed alumnus Sh. Vish Narayanan in Michigan on 7 September 2026, fostering alumni interaction and strengthening institute connections.



The IIT (BHU) delegation visited the University of Michigan on 8 September 2026, strengthening institutional ties and exploring opportunities for academic collaboration. The delegation was felicitated during the visit in recognition of the shared bond between the institutions.

Texas A&M University

Prof. Amit Patra visited Texas A&M University (TAMU), where meetings were organised at the Borlaug Institute. Discussions focused on potential collaboration in agriculture and related technologies involving IIT (BHU), the Institute of Agricultural Sciences, BHU, and Texas A&M University. The discussions also explored opportunities for joint research, knowledge exchange, and the application of advanced technologies in agriculture. The visit aimed to strengthen academic ties and identify areas of mutual interest for future collaboration.

Purdue University

On September 3, the IIT (BHU) team led by hon'ble Director Prof. Amit Patra visited Purdue University to discuss research collaboration in agritech and other priority areas. With Purdue's College of Agriculture leaders, the team explored digital agriculture, food processing, sensor design, agrivoltaics, and collaboration with IIT (BHU)'s Agri Tech Business Park. Other meetings considered collaboration in AI, semiconductors, quantum sciences, pharma engineering, and drug discovery. The quarterly Purdue–India check–in covered partnership priorities, a summer scholar program, and doctoral student support. Biological Sciences faculty also discussed potential links in mRNA, cancer research, and pharmaceutical drug discovery.

BEYOND THE BORDERS

GAM -2026 & International Collaborations



MoU Signing on Electric Vehicle Research

The IIT (BHU) delegation, led by Prof. Amit Patra, visited the University of Michigan's Electric Vehicle Centre for the signing of an MoU and discussions on research collaboration. The meeting brought together faculty members from both institutions and IIT (BHU) alumni based in the United States. Discussions covered potential collaboration in materials research, Physical AI, cybersecurity and energy efficient computing. Discussions covered potential collaboration in materials research, Physical AI, cybersecurity and energy efficient computing.

Advancing Research in Agriculture and Robotics

The IIT (BHU) delegation, with the support of alumni Mr. Vish Narayanan and Dr. Sri Mirle, visited Michigan State University to explore research and academic collaboration. Discussions covered agricultural robotics, post–harvest and dairy technologies, and improving power distribution in Uttar Pradesh. The delegation also visited a robotics assembly facility and a simulated apple orchard showcasing robotic fruit–harvesting systems.

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 alumnicell@iitbhu.ac.in.

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