

# Alma Communiqué

## Alumni Newsletter (Jun '24)

### Institute Updates



IIT (BHU) ranks 531 in the QS Rankings 2025, and 48th position globally in the CPF Category

1. IIT (BHU), Varanasi has secured 531st position in the QS World University Ranking (WUR) 2025. For the third consecutive year, the Institute has improved its ranking, achieving the 48th position globally in the citations per faculty (CPF) parameter, showing a significant rise from the 78th position last year. The Institute ranked 12th among 46 Indian institutions and 8th among IITs. Prof. Amit Patra, Hon'ble Director, IIT (BHU), commended the faculty, students and research staff for their contributions and Prof. Vikash Kumar Dubey, Dean (Research & Development), congratulated all stakeholders, expressing optimism for even higher rankings in the future.



2. The Faculty Induction Programme under the Malaviya Mission Teacher Training Programme, sponsored by the University Grants Commission (UGC), was successfully inaugurated on 3 June 2024 by Prof. Amit Patra, Director, IIT (BHU). This 24-day program, held from 3 June to 29 June 2024, hosted 40 distinguished faculty members from across India. It focused on key areas such as higher education, curriculum designing, outcome-based learning, technology for teaching, research, and professional development, aiming to foster professional growth and enhance pedagogical skills among the participants.



Special Talk: Crafting Successful Proposals for Major Funding Opportunities.

3. The Teaching Learning Centre organized a special talk by Prof. Amit Patra, Director, IIT (BHU), on 12 June 2024. Prof. Patra shared his insights on 'Crafting Successful Proposals for Major Funding Opportunities', a topic of significant importance for academic and research endeavors. This talk provided valuable guidance and strategy for securing funding, which is crucial for advancing research projects and initiatives in the Institute.



4. A Memorandum of Understanding (MoU) was signed on 26 June 2024, by Prof. S.S. Mandal, Head of the Civil Engineering Department, IIT (BHU), and Mr. Anand Mishra, Executive Engineer of Varanasi Development Authority (VDA) with the aim to rejuvenate the Assi river. The formal signing ceremony was attended by Prof. Amit Patra, Director, IIT (BHU), Mr. Pulkit Garg, Vice-Chairman of VDA, Prof. Vikash Kumar Dubey, Dean (Research & Development), Prof. Hiralal Pramanik, Dean (Resource & Alumni), Prof. Rajesh Kumar, Dean (Student Affairs) and Prof. Rajnesh Tyagi, Dean (Faculty Affairs).



5. IIT (BHU), Varanasi celebrated the International Yoga Day with great zeal on 21 June 2024, marking its 10th anniversary. The day, starting with yoga sessions and meditation was attended by enthusiastic participants, including Prof. Amit Patra, Director, IIT (BHU), and other esteemed professors, whose presence significantly enhanced the spirit of the event.



6. Prof. Amit Patra, Director, IIT (BHU), inaugurated a plantation drive at the New Faculty Residential Complex on 29 June 2024 to commemorate the 12th Foundation Day of the Institute. Dr. Ravi Shankar Singh coordinated the campus-wide planting of mango, *neem*, and *amla* saplings. Notable attendees included Dr. Shyam Kamal, Dr. Vineet Singh, and Dr. Manoj Kumar.

## Internship/Placement Updates

The Training and Placement Cell, IIT (BHU) coordinated the Placement Session of 2023-24 in a seamless manner. A total of 9 international offers were bagged by the students. The maximum package was Rs. 1,68,00,000/- per annum, with the average being Rs. 22,86,691/- per annum.

As of 30 June 2024, a total of 1266 placement offers (including PPOs) and 380 internship offers were received from various reputed companies like Sprinklr, Accenture Japan Ltd., Oracle, Uber, Rakuten, Hilabs, Qualcomm, Deloitte India - DS, Zupee, Thoughtspot, Google, HUL, JPMC, OLA, Microsoft, Mastercard and many more.

## Research and Development

Between 1 June 2024 and 30 June 2024, eleven patents were filed, and five were granted.

### Patents granted in June

Title	Filing Date	Granting Date
Rebamipide loaded transdermal patch for neurodegenerative disease	30-09-2019	05-06-2024
A novel process for synthesis of metal nanoparticles and a product thereof	25-09-2019	05-06-2024
Latent fingerprint imaging using rare earth doped metal oxide based nanophosphors	22-10-2019	11-06-2024
An improved nozzle assembly for uniform fluid delivery	12-10-2019	24-06-2024
Temperature sensitive porous polymer film for biomedical applications and a method of its synthesis	18-05-2020	26-06-2024

### Patents filed in June

Name of Inventor(s)	Department / School	Filing Date
Dr. Abhishek S. Dhoble, Kailash Pati Pandey	School of Biochemical Engineering	11-06-2024
Dr. Hiralal Pramanik, Ms. Anjali Verma	Department of Chemical Engineering & Technology	12-06-2024
Dr. Bholu Nath Pal, Sobhan Hazra, Sandeep Dahiya	School of Materials Science & Technology	13-06-2024
Pralay Maiti, Sudepta Bauri, Subham Sekhar Mandal, Swikriti Tripathi	School of Materials Science & Technology	13-06-2024
Pralay Maiti, Subham Sekhar Mandal, Anuradha Gupta	School of Materials Science & Technology	14-06-2024
Prof. Senthil Raja A, Rangan Mitra, Sandeep Kumar, Aishwarya Chaudhari, Ashish Kumar Agrawal	Department of Pharmaceutical Engineering and Technology	15-06-2024
Smriti B. Bhatt, Rahul Ranjan, Prodyut Dhar	School of Biochemical Engineering	15-06-2024
Dr. Bholu Nath Pal, Subarna Pramanik, Rajarshi Chakraborty	School of Materials Science & Technology	15-06-2024
Prof. Pralay Maiti, Anuradha Roy, Binay Sen, Avishek Mallick Choudhary, Amisha	School of Materials Science & Technology	14-06-2024
Dr. Abhishek S. Dhoble, Jyoti Rani	School of Biochemical Engineering	20-06-2024
Dr. Dinesh Kumar, Madhu Kiran D R, Maan Singh, Dr Ashish Kumar Agrawal	Department of Pharmaceutical Engineering and Technology	28-06-2024

### Projects sanctioned in June

Title of Project	Name of Funding Agency	Period of the Project Sanction	Total cost of Project in Rs.
Development of high-performance fully 3D printed lithium (Li)-ion battery system using advanced Cu-Zn alloy-based ordered porous current collectors with deposited Li as anode and ordered porous Li iron phosphate as cathode	SERB	03 years	65,47,624
Development of a multi-scale radar vegetation index using full polarimetric Eigenvalue-based decomposition for different crop types monitoring	SERB	03 years	25,13,120
Tailoring Na-Anodes for Stable and Efficient Na-Metal Batteries: Na-S as the Test Case	MoE	03 years	1,00,00,000
Investigation of Graphene Hexagonal Boron Nitride nanocomposites for electromagnetic shielding interference application using THz Time domain spectroscopy	MoE	03 years	15,00,000
Modulation of Metal-Metal Interaction and Coordination Sites of Dual-Atom Catalysts for the Electrochemical Oxidation of Benzylic Substrates to Value-Added Products	SERB	03 years	51,42,192
2-Mercaptobenzothiazole amides as inhibitors of type II NADH dehydrogenase with bactericidal activity against Mycobacterium tuberculosis	SERB	03 years	32,16,720
Development of near room temperature superconductor by environmentally stable Ag-Au mesoscopic thin film	MoE	03 years	99,10,000
Sanskrit Knowledge Accessor under project 'National Language Translation Mission (NLTM): BHASHINI'	MitY	02 years	4,83,42,400
Development of a novel spray system to reduce cross-contamination in dentistry	SERB	03 years	48,23,192
Urban Commercial Freight Demand Mapping for Last-Mile Traffic Interventions	VREF	01 year	2,50,000
Development of an artificial intelligence system to detect early shared neural biomarkers of ASD and ADHD from multi-modal neuroimaging	ICAR	03 years	31,04,398

A total of 236 testing and consultancy projects were undertaken this month, securing a funding of Rs. 3,93,69,984. Furthermore, 11 projects were officially sanctioned, with Rs. 9,33,49,646 allocated for their execution.

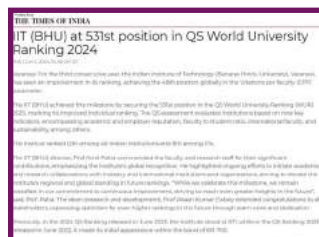
## Innovation

### Ideation Innovation & Incubation Foundation

Agrifeeder Pvt. Ltd., an incubated startup at the I-3 Foundation, received the title of 'Upcoming Agritech Startup of 2024' at the Wolf Den Investor's Summit, held in Mumbai on 22 June 2024. The summit hosted a series of workshops and masterclasses designed to equip entrepreneurs with practical skills and knowledge. Additionally, Mr. D. P. Singh Duhoon, founder of Unnat Krishi Evam Herbal Techno-solution Pvt. Ltd., was honored by ICAR-IARI, New Delhi, on 6 June 2024.



## Media Section



**IIT (BHU) ranks 531st in QS world university rankings**



**IIT BHU celebrates its 12th Foundation Day**

## Faculty Achievements



Dr. Aditya Kumar Padhi, Assistant Professor at the School of Biochemical Engineering, has been appointed as the editor of Biochemical and Biophysical Research Communications (BBRC) from Elsevier. His expertise in Computational Biology, Protein Design, Bioinformatics, Biophysics, Predictive Modeling, Simulations, and Machine Learning has been recognized, leading to an invitation to join the Editorial Board. He anticipates enriching the dissemination of top-tier research across burgeoning areas of life science.

## Student Updates

E-Cell, IIT (BHU) has once again acquired the license from Techstars to host the Techstars Startup Weekend. The previous event was immensely successful, bringing together aspiring entrepreneurs and experienced mentors. The cell aims to build on that success this year by introducing new workshops and expert sessions, ensuring a more significant impact.







The Science and Technology Council successfully conducted a comprehensive Summer Training Program for freshers across all verticals. The training sessions covered a wide range of topics and practical exercises about all the verticals of Trident (Aerodynamics, Suspension, Steering, Braking, and Powertrain). About 60-100 students participated enthusiastically in every workshop, enriching their knowledge and skills. Guest lectures from industry experts were organized. The Robotics Club conducted a Summer Camp to equip the freshers with the different domains within robotics. This camp provided comprehensive and in-depth learning to the students, covering ROS, machine learning, controls, reinforcement learning, and hardware design. This year, four specialized tracks in robotics were introduced week-wise. More than 500 students participated in Phase 1 of the workshop.

At the Social Service Council, the Social Projects Club organized a 3-week 'Project Management Bootcamp'. This boot camp commenced with an introductory session, followed by a series of workshops covering strategic problem-solving, applications of Generative AI, and design thinking. Participants tackled real-world problems, proposed innovative solutions, and developed strategic action plans, enhancing their planning and leadership skills. Evaluations and leaderboards meticulously tracked their progress, with some particularly notable ideas and projects being considered for inclusion in the club's annual initiatives.



At the Student Counselling Services (SCS), the International Exchange Council launched the 'Branch-wise Research Areas' initiative to promote interdisciplinary research. The Career Council has commenced the second edition of 'Placement Diaries' and organized an 'Ask Me Anything' session on Data Analytics/Data

Science with Sh. Ashwini Jain, an alumnus of IIT Bombay and Purdue University. The Skill Development Council, in collaboration with Speak Up! by SCS as part of the Exhort Series, hosted a 'Professional Productivity 101' session featuring Sh. Vivek Srivastava. Moreover, the Academics Council introduced the OE/LM Repository to aid students in selecting Open Elective and Language Management courses. Lastly, the Wellness Council concluded IIT BHU READS 6.0, a book reading competition where participants submitted book summaries.

## Alumni Giving Back Portal

IIT (BHU) has experienced rapid growth in recent years, supported by generous donations from our alumni. To facilitate this support, the Institute has established a dedicated portal where Indian alumni can contribute to their alma mater's progress according to their preferences.

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, as detailed on the giving back portal.



## Alumni Updates

### Student Alumni Interaction Cell

The Alumni-Guided Mock Interviews initiative continued this month, and registrations were reopened for the internship drive. Sessions on 'Resume Making' led by Sh. Sai Prasanth Kota (CIV '15) and 'SDE Guidance' by Sh. Shivam Dubey (CSE '19) were conducted, providing valuable insights on crafting an impressive resume and excelling in SDE interviews.



The 'Ask the Alumni' initiative, conducted under the flagship Student Alumni Mentorship Program 2024, successfully connected first-year students with alumni for personalized and interactive sessions. Recognizing its benefits, 230 students have registered, and over 60 alumni have agreed to assist the students in their professional journey.

From 1 June 2024, the new Core Team of SAIC has started leading operations for the academic year 2024-25. The list of the SAIC Core Team Members are mentioned below:

#### SAIC Core Team 2024-2025

Name	Branch	Year	Role
Anant Joshi	EEE	B.Tech. III	Data Management & Alumni Services Team
Anjaneya Raj Garg	ECE	B.Tech. III	Creative (Content & Design) Team
Ashish	CSE	B.Tech. III	Technical & Hospitality team
Naini Maru	CER	B.Tech. III	Public Relations & Media Management Team
Shreyash Arya	MAT	IDD III	Events, Operations & Outreach Team

### Connect & Learn

SAIC, in collaboration with the Alumni Association of IIT (BHU), Varanasi (AASSII), successfully conducted the Connect & Learn Student-Alumni Meetup in HSR Layout, Bengaluru on 15 June 2024. The event, attended by 40 students and 15 alumni, featured an insightful session by IAS Rohit Kumar Singh (EEE '84) and was graced by distinguished attendees including Sh. Sunil Khanna (ECE '76), Sh. Jayant Kumar Sharma (EEE '68), and Sh. Kannan Iyer (EEE '82).



Connect and Learn Mumbai was organized by SAIC on 22 June 2024 at Parel East, Mumbai, where 14 alumni and 41 students attended the event. The meetup consisted of an open Q&A session, and a case study segment where participants were tasked to solve a problem statement, showcasing their innovative problem solving skills. This was followed by an informative session on the importance of networking by Sh. Arun Anant (CHE '85). The event was a resounding success where students received guidance from alumni across diverse domains.





## “Tales from the Field”

In the wake of India's World Cup success, we are celebrating incredible stories and passionate moments of our very own campus athletes.

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This is a story from the pre-final year when Placement tests and Spardha were happening around the same time. The volleyball matches started strong, with the semi-finals and finals set for the evening. After a busy day, we hurried to the volleyball ground to find our team playing well, and I quickly joined in. Our team had lost by just a few points the previous year and earned the silver medal, so the stakes were high this time. In the end, we emerged victorious and secured the gold medal.

We shouted ‘Har Har Mahadev’ in unison, creating a truly memorable moment of celebration. While recalling this story, I cherish all the matches I participated in at the Institute. Regardless of the outcome, what remains vivid in my memory is the companionship with my teammates and the strong bonds we forged. These experiences have deeply enriched my college journey, reminding me of the unity and fulfillment that sports brought during that time.

~ Shmt. Yashika Lamba (PHE '23)



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During my sophomore year, our football team faced a challenging match against the formidable Chitrapur football team. Known for their strength and skill, they quickly took control of the game and were leading.

The tables were turned when their main player was sent off for foul play. We seized the opportunity and intensified our efforts. As the match progressed, we won the game by the final score of 2-3. This experience taught me we can win a losing match even if the odds aren't in our favor. It made me realize how we should never lose hope and push through with all our strength and willpower.

~ Second-year student

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During my 3rd year, right after the grueling mid-term exams, our college cricket team reached the semi-finals of the tournament. We had to bowl first. Our bowlers did a great job initially, but the opponents set a challenging target of 180 runs.

As the match started, we soon lost a few wickets. When I walked across the pitch, I focused on rotating the strike and hitting boundaries. Needing 4 runs off the last ball, I swung hard and sent it for a six. The crowd erupted in cheers as we secured a thrilling victory.

~ Third-year student



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](mailto:alumni@iitbhu.ac.in).

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### CONNECT WITH US



### NEWSLETTER TEAM, SAIC

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