



CELEBRATING CENTENARY



STUDENT ALUMNI INTERACTION CELL, IIT (BHU), VARANASI

# ALMA COMMUNIQUÉ

Alumni Newsletter (Apr '25)



## Institute Updates



1. IIT (BHU), Varanasi welcomed Sh. Rajiv Kumar Srivastava, IFoS (Retd.) and Sh. Rajiva Ranjan Verma, IPS (Retd.) as Independent External Monitors (IEMs), appointed by the Ministry of Education for three years. They will oversee high-value tenders and address bidder grievances to ensure transparency at IIT (BHU), Varanasi. A meeting with the Director, Prof. Amit Patra, was held in the presence of the Dean (R&D), Chairman (IIPC), and Professor In-charge (CIF), marking the beginning of their engagement.



2. A blood donation camp was held on 14 April 2025 at Swatantrata Bhawan, Banaras Hindu University, to mark the 134th birth anniversary of Bharat Ratna Dr. B.R. Ambedkar. The Bahujan Students and Staff Association, BHU, organized the event in collaboration with the employees of IIT (BHU), Varanasi. The camp was graced by Prof. Sanjay Kumar, Vice-Chancellor, BHU, as the Chief Guest. Distinguished guests included Prof. Amit Patra (Director, IIT (BHU), Varanasi), Prof. S.N. Sankhwar (Director, IMS-BHU), and Prof. P.K. Goswami (Dean, Faculty of Ayurveda, BHU).



3. The Department of Metallurgical Engineering, IIT (BHU), Varanasi and the Metallurgy Society, IIT (BHU), Varanasi, celebrated Metallurgy Day on 17 April 2025. Presiding over the event, Prof. N.K. Mukhopadhyay, Dean (Faculty Affairs), IIT (BHU), Varanasi, highlighted the importance of remembering the life and work of Prof. T.R. Anantharaman. Dr. Tapash Kumar Nandi, Director, DIA-CoE attended the event as the chief guest and delivered the memorial lecture. Prof. N.C. Santhi Srinivas, Head of Department and Prof. G.S. Mahobia, Professor Incharge, MetSoc, emphasized the department's academics and professional achievements and presented awards to students who excelled in academic and extracurricular activities.



4. The Shreenivas Deshpande Library at IIT (BHU), Varanasi, in collaboration with National Digital Library of India (NDLI), organized a national workshop on 'Institutional Digital Repository' on 19 and 20 April 2025. This certified workshop, coordinated by Prof. Senthil Raja A., Dr. Navin Upadhyay and Mr. Kanu Chakraborty, and supported by the patronage of the Honorable Director, Prof. Amit Patra, provided in-depth training to archivists on the development and maintenance of digital repositories within academic and research institutions. This event also offered hands-on training for IDR development and the latest trends in management including metadata standards incorporating NDLI Metadata Schema.



5. On 26 April 2025, a delegation from the German Academic Exchange Service (DAAD) visited IIT (BHU), Varanasi, and BHU to explore new Lectorates in German Studies, Humanities, and Social Sciences. Discussions focused on academic collaboration, student and faculty exchange, and promoting awareness of the importance of the German language. Key DAAD representatives included Dr. Katja Lasch, Dr. Birgit Klüsener, Ms. Beate Schindler-Kovats, Ms. Anna Rusche, and Ms. Pooja Midha. From the Indian side, Prof. Santosh K. Singh from the institute and Prof. Rajesh Singh from BHU participated. The meeting concluded with a shared commitment to strengthen Indo-German academic and industrial ties.



## Internship/Placement Updates

The Training and Placement Cell at IIT (BHU), together with the active support of students, efficiently carried out the placement process for the academic year 2024–25. A total of 1288 placement offers, including Pre-Placement Offers (PPOs), had been secured as of 1 May 2025. An impressive number of 467 internship offers have been received, reflecting the wide range of opportunities provided to students by numerous companies. The highest internship stipend reached Rs. 5,00,000 PM, while the average stipend stood at Rs. 1,08,410 PM. Furthermore, the highest salary package offered was Rs. 2.20 crores per annum, with the average package being Rs. 2,295,756 per annum.

## Research and Development

Between 1 April 2025 and 30 April 2025, seventeen patents were filed, and ten were granted. Progress in research continues to drive new developments. Additionally, 7 projects were officially sanctioned, with a cumulative funding of Rs. 2,15,87,114.

### Patents filed in April

Name of Faculty	Department/School	Filing Date
Dr. Sanjay Kumar Singh, Ritesh Sharma, Ms. Vishakha Singh, Dr. Rajnish	Department of Computer Science & Engineering	03/04/2025
Prof. Rajesh Kumar Upadhyay, Dr. Sweta, Anjali Baudh	Department of Chemical Engineering	03/04/2025
Dr. Pradip Paik, Sukanya Patra	School of Biomedical Engineering	08/04/2025
Prof. Sushant Kumar Shrivastava, Hansal P Kumar	Department of Pharmaceutical Engineering & Technology	09/04/2025
Prof. Sushant Kumar Shrivastava, Hansal P Kumar	Department of Pharmaceutical Engineering & Technology	09/04/2025
Dr. Mayank Swarnkar, Mr. Rakesh Kumar, Ms. Neha Sharma, Mr. Gajjala Kiran Kumar, Mr. Shalendra Kori, Mr. Siddhant Kharwar	Department of Computer Science & Engineering	09/04/2025
Dr. Sukomal Pal, Supriya Chanda	Department of Computer Science & Engineering	14/04/2025
Prof. M. S. Muthu, Ms. Nandini Vinodrao Randhava, Ms. Aseem Setia	Department of Pharmaceutical Engineering & Technology	17/04/2025
Dr. Sanjay Singh, Krishna Kant Dubey, Vishal Kumar	School of Materials Science & Technology	21/04/2025
Prof. Rajeev Kumar Singh, Ankit Kumar Pratishtha, Virendra Prasad Maurya	Department of Electrical Engineering	22/04/2025
P. Abhishek Rajput, Rajneesh Patel, Dr. G. M. Karthik, Dr. Pawan Sharma, Dr. G. Prabhu	Department of Mechanical Engineering & DRDO	25/04/2025
Dr. Debashis Khan, Sandeep Kumar, Ashwarya Sheel Wali	Department of Mechanical Engineering	25/04/2025
Mr. Satyendra Kumar Singh, Dr. P. K. Roy	Department of Ceramic Engineering	26/04/2025
Dr. Shreyans Kumar Jain, Dr. Gudasalamani Ravikanth, Nivedita Bhardwaj, Nancy Tripathi, Sanju Kumari, Sanheeta Chakraborty, Sanjay Kumar	Department of Pharmaceutical Engineering & Technology & School of Biomedical Engineering and SM Sehgal Foundation Centre for Biodiversity and Conservation, Ashoka Trust for Research in Ecology and the Environment Bengaluru	28/04/2025
Dr. Supriya Mohanty, Prof. Patindra Ranjan Maiti, Mr. Sher Bahadur Singh	Department of Civil Engineering	28/04/2025
Dr. Vishal Mishra, Ms. Ragini Shukla	Department of Biochemical Engineering	28/04/2025
Dr. Manisha Malviya, Rishabh Mishra	Department of Chemistry	28/04/2025

### Patents granted in April

Title	Granting Date	Patent Number
A Process For Catalytic Pyrolysis of A Waste Feed Material And A Multiphase Pyrolytic Apparatus	01/04/2025	564780
A Thrombin Receptor Antagonist For Management Of Leishmaniasis	01/04/2025	564781
A Method For Rapid 3D Prototyping Of Skeletal Muscle Tissue Constructs Using A Novel Composition Of Bio- Ink	03/04/2025	564905
A 3D Nanodendritic Electrochemical Sensor And a Method Of Preparation Thereof	04/04/2025	564929
A Three Dimensionally (3D) Printed Phantom For Commissioning Of Gynaecological Brachytherapy Applicators	16/04/2025	565184
A Method Of Preparation Of A Composite- Based Electro catalyst And a Product Thereof	17/04/2025	565282
A Method Of Synthesis Of A Fluorescent Copolymer And a Product Thereof	21/04/2025	565308
A Portable Curb- Drowning Monitoring System	23/04/2025	565409
A polymer-based composite and a method of preparation thereof	23/04/2025	564447
A nano formulation of management of lung cancer and a method of preparation thereof	29/04/2025	565736

## Media Section

### IIT-BHU's eco-friendly tech to convert plastic waste into fuel

Varanasi: In an initiative to promote sustainable development, members from the Department of Chemical Engineering and Technology at IIT (BHU) have successfully demonstrated a novel technology (IIT-BHU) that can convert plastic waste into fuel. The technology is a significant step towards reducing the environmental impact of plastic waste. The team, led by Prof. Dr. Sanjay Kumar Singh, has developed a process that involves the catalytic pyrolysis of plastic waste to produce a high-quality fuel. This process is not only eco-friendly but also economically viable. The team's research is a testament to the innovative spirit of IIT (BHU) and its commitment to sustainable development. The technology is expected to be commercialized in the near future, providing a sustainable solution to the growing problem of plastic waste.

IIT (BHU)'s eco-friendly tech to convert plastic waste into fuel

### Breakthrough in drug detection: IIT-BHU team develops advanced sensing device

Varanasi: A team of researchers from the Department of Chemical Engineering at IIT (BHU) has developed a breakthrough in drug detection. The team has created a highly sensitive and selective sensing device that can detect the presence of various drugs in a sample. The device is based on a novel sensing mechanism that involves the use of a specially designed polymer. The team's research is a significant step towards the development of a reliable and accurate drug detection system. The device is expected to be commercialized in the near future, providing a reliable solution to the growing problem of drug detection.

IIT (BHU) team develops sensing device for Drug Detection

## Innovation

### Ideation Innovation & Incubation Foundation (I-3F)



The Ideation Innovation & Incubation Foundation (I-3F) and Joint Incubation Centre (JIC), IIT (BHU), Varanasi, collaborating with Gopalakrishnan-Deshpande Centre (GDC), IIT Madras hosted 'Startup Insights: Lab to Market Innovation' on 10 and 11 April, 2025. The event featured expert talks,

commercialization strategies, and entrepreneurial case studies. Speakers included Prof. Krishnan Balasubramanian and executives from I-3F and GDC, IIT-Madras.

The Startup Mahakumbh held at Bharat Mandapam, New Delhi, from 3 to 5 April 2025 saw active participation from incubated startups, showcasing innovative solutions and networking with industry leaders and investors. The Bureau of Indian Standards (BIS)-Startups Meet was held on 17 April 2025, under the leadership of Prof. R. S. Singh, Department of Chemical Engineering at the I-3 Foundation, IIT (BHU), Varanasi. The event focused on sensitizing the role of BIS for standardization of innovative startup products.



## Faculty Achievements

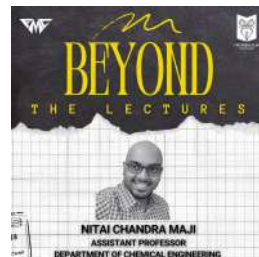


A team from the School of Biochemical Engineering, IIT (BHU), Varanasi, won first place at the National Forensic Science Hackathon 2025, organized by NFSU under the Ministry of Home Affairs. The team was recognized for developing an innovative glycan-based forensic technology for age estimation. The

award, which included a cash prize of Rs. 2,00,000, was presented by Honorable Union Home Minister Sh. Amit Shah. Honorable Director, Prof. Amit Patra congratulated the team, noting its alignment with national initiatives and the Institute's focus on impactful, indigenous research. This achievement highlights the Institute's commitment to fostering innovation that addresses critical national challenges through cutting-edge scientific research.

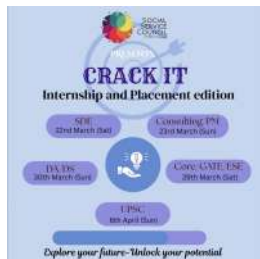
## Student Updates

The Film and Media Council acquired fresh insights through new experiences. The Media Club launched a new interview transcript series featuring faculty members, with the first edition highlighting Dr. Nitai Chandra Maji from the Chemical Engineering Department. The Photography Club, in collaboration



with Fujifilm, hosted an hands-on workshop and organized a Photowalk that saw active participation, releasing a themed photo album. The Cine Club joined the Fujifilm-led workshop and Photowalk, gaining exposure to professional filmmaking techniques also releasing a cinematic reel, composed entirely of footage captured using Fujifilm cameras, showcasing their creative output.





The **Social Service Council** conducted Crack It, a first-of-its-kind series of career guidance series. With over 400 enthusiastic participants, the Internship and Placement Edition covered diverse fields such as Software Development, Consulting, Product Management, ESE/GATE, and Data Science/Analytics. Notable

among them were Ms. Arushi Singh Rawat, Associate Product Manager at Haqdarshak; Mr. Chandan Gupta, AIR 04 – GATE 2011 and AIR 21 – ESE 2011; and Mr. Shivam Dixit from PhysicsWallah. The Sahyog Club of IIT (BHU), Varanasi launched Disha, an Online Summer Mentorship Program for underprivileged students in government schools in Tikri, Sunderpur and Adityanagar. Aimed at enhancing students' academic skills and preparing them for competitive exams like JNV, ATS, and CHS.

## Events

### Shilp '25

**Shilp**, the annual departmental fest of the Department of Civil Engineering, IIT (BHU), Varanasi, was held from 11 to 13 April 2025, showcasing a dynamic fusion of technical brilliance and cultural expression. Commencing with an insightful guest lecture by Mr. Anupam Awasthi, Deputy Chief Project Manager at NHSRCL, a series of competitive events such as Bridgelt, Vintage Visionaries, and Surveyor's Hunt offered students a platform to demonstrate their engineering prowess. The fest concluded with a joint Q&A session with Prof. Amit Bhasin, Director at the Centre for Transportation and Research, University of Texas, and Mr. Varun R Pandya, AGM BD at Tata Projects.



### Career Development Programme



The **Career Development Programme's** third edition was conducted by the Training and Placement Cell at IIT (BHU), Varanasi, on 12 and 13 April 2025. The inaugural ceremony was graced by Mr. Arun Anant (CHE '85), Founder of Hyperstate Tech and Cyber Saathi, and Dr. Virendra Singh, who stressed the value of adaptive learning and holistic student development. The event saw participation of over 3000 students and offered sessions on artificial intelligence, financial technology, resume building, and distributed systems, along with competitions like hackathons, ideathons, and coding contests. With participation from organizations such as Cisco, Mastercard, and Atlassian, the event reaffirmed the Institute's commitment to bridging academia and industry through career-focused experiences.

## Alumni Updates

### Student Alumni Interaction Cell

SAIC successfully conducted the Alumni-Guided Mock Interviews initiative last year with 870+ interviews, 720+ students, and 220+ alumni across 8+ domains and is all set to return this year. These mock interviews provided students with an invaluable opportunity to receive feedback from professionals. We extend heartfelt gratitude to all participating alumni for their continued mentorship. To join as an interviewer for the upcoming session, [register here](#).

Additionally, under the Alumni Visiting Faculty program, Mr. Arun Anant (CHE '85) visited the campus on 12 April 2025 to conduct a series of insightful sessions on the subject MME-306 - Media Environment. Throughout the session he offered meaningful guidance by sharing his valuable experience with the students.

## Alumni Contribution

IIT (BHU), Varanasi has received a generous donation of \$240,000 from Dr. Hira Fotedar (MET '66) and his wife, Shmt. Patricia, to establish the Dr. Hiralal and Patricia Fotedar Endowed Chair in Metallurgy, Materials Science, and Engineering. The Chair will support top-tier faculty, promote interdisciplinary research, and enhance the global standing of IIT (BHU), Varanasi in material science. Dr. Fotedar's distinguished career and commitment to education and philanthropy will continue to inspire future generations.



The EEE batch of 1985 has generously donated Rs 15,00,000 to IIT (BHU), Varanasi for the upgradation of the Power Electronics Lab. The fund will be used to procure new equipment and refurbish the UG/PG sections of the lab, enhancing the learning experience for future students, providing a better environment.

Sh. RB Dubey (MEC '80) has donated Rs 11,28,000 to IIT (BHU), Varanasi for the infrastructure development of the Mechanical Engineering Department. The funds will be used to enhance facilities and improve learning opportunities for students, reflecting Sh. Dubey's commitment to the department's growth and excellence.



## Alumni Achievements

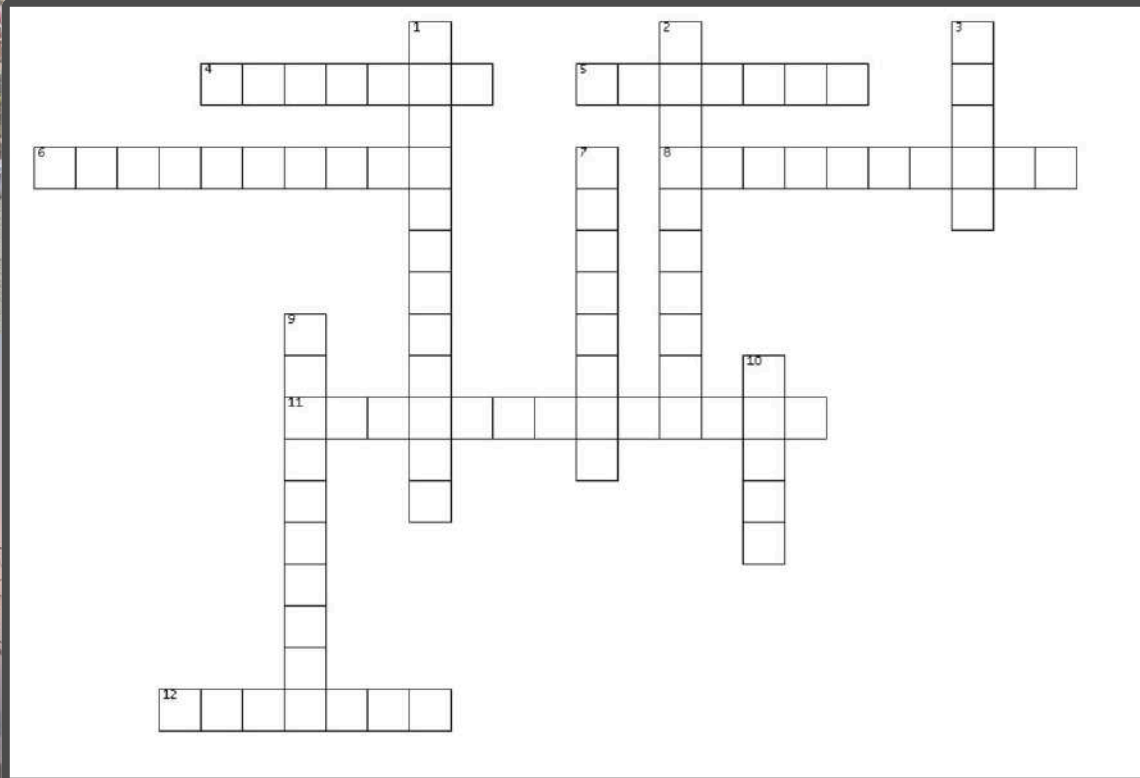
### UPSC Civil Services Examination, 2024

It is a moment of immense pride for the IIT (BHU) community, as the dedication and determination of over nine alumni have been rewarded with success in the UPSC Civil Services Examination 2024. These individuals have earned recommendations, marking a significant achievement in their journeys. The alumni who have received these honors include:

AIR	Name	Department
174	Karan Kumar Singh	EEE '21
199	Sourabh Rajendu	CSE '18
291	Shubham Kaurav	CIV '20
354	Astha Sharan	ECE '20
468	Suyash Kumar	CHE '23
606	Shubham Kumar Mahato	MIN '20
635	Pramod Yadav	CHE '22
638	Aditya Keshri	CIV '22
956	Manjul Raj	PHE '19

*This list might not be exhaustive. Please email us if you find a name missing.*

# KashiWords



## ACROSS

- 4. Where innovation meets inspiration - a high voltage fusion of code, commerce and creativity
- 5. India's largest inter-collegiate sports event
- 6. A starry film-fest by the Film and Media Council : a weekend of cinema magic
- 8. The mascot obelisk spans its flanks, filling your sight upon the first memory of the college
- 11. Popular cultural program often held at Assi Ghat depicting Varanasi's heritage
- 12. Many winter mornings with chilling fog and this sweet froth

## DOWN

- 1. Festival of lights on the Ganges for the gods – 'Gods' own Diwali
- 2. A hangout spot, newly revamped with a wider snack range and a reading corner
- 3. Rebuilt, the old college's towering flue
- 7. Recently popularized ghat as 'the hands that greet the heavens'
- 9. The holy city's cultural carnival
- 10. Stage for state-sponsored theatrics and plays in olden days

## Solution to the Crossword

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](mailto:alumnice11@iitbhu.ac.in).

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## CONNECT WITH US



## NEWSLETTER TEAM, SAIC

Anjali Khare, Ashima Verma, Divya Kirti Mukund Rai, Kushan Singh Tanwar, Vedika Agrawal, Anushka Kumari, Pentyala Abhishek Preetham, Shrawasti Bhaware, Anjaneya Raj Garg, Shreyash Arya