



CELEBRATING CENTENARY

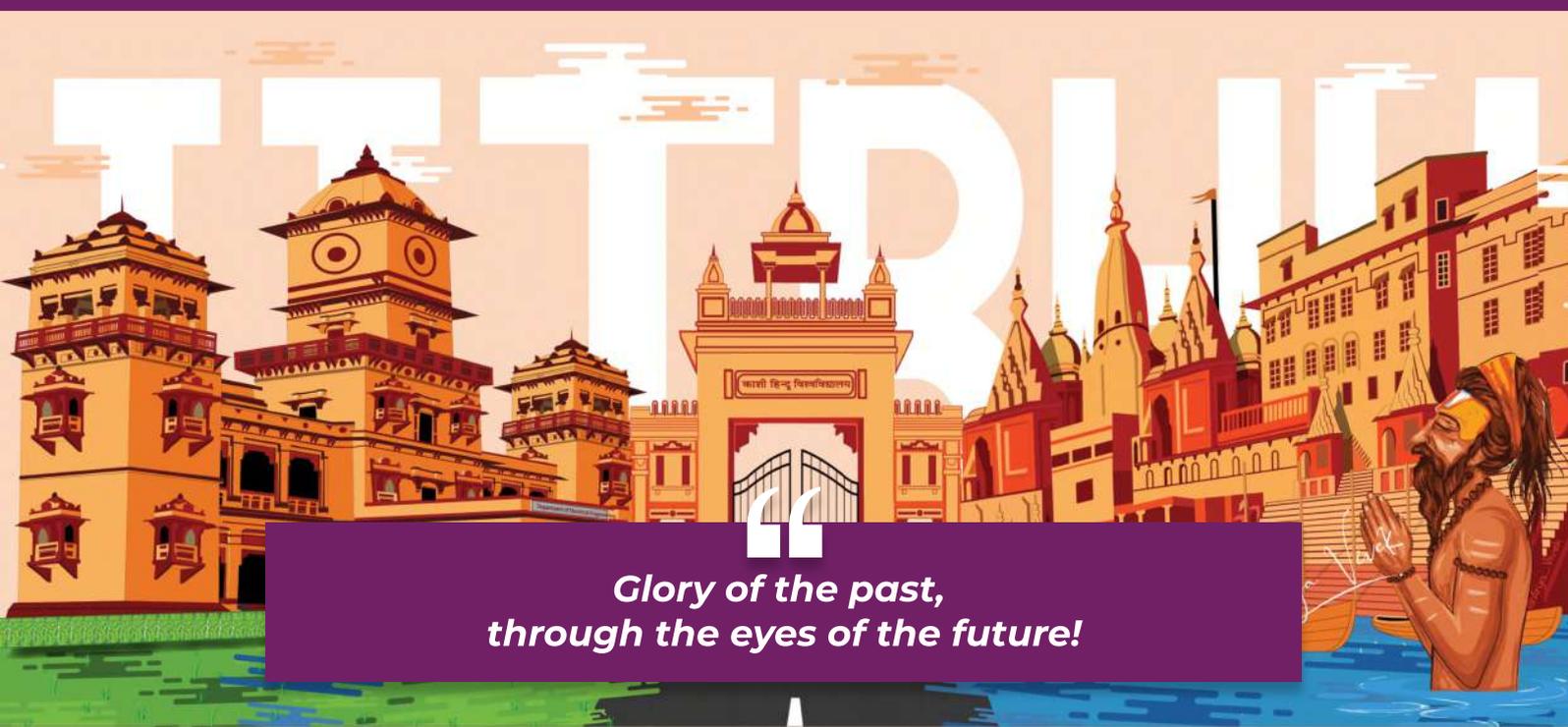
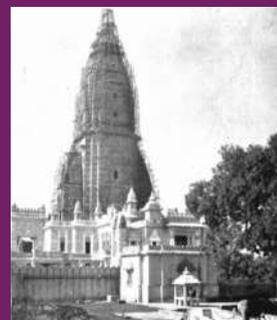


STUDENT ALUMNI INTERACTION CELL, IIT (BHU), VARANASI

Alma Communiqué

Alumni Newsletter (Aug '22)

Read about the recent innovations, the alumni achievements, and the Janmashtami & 76th Independence Day celebrations at the Institute!



“
Glory of the past,
through the eyes of the future!”

Institute Updates



1. On 31st August, 2022, IIT (BHU) signed an MoU with the Delhi Metro Rail Corporation (DMRC) to establish a Center of Excellence for Tunneling and Underground Space Engineering, to help with the development of rapid transport and border defense infrastructure. It will operate in two hubs for effective functioning: one hub in IIT (BHU), Varanasi, and another in Delhi Metro Rail Academy. DMRC will offer short-term training programs to train field engineers and construction supervisors, while IIT (BHU), with its complementary expertise in various engineering domains, will be extremely valuable for in-project planning, innovative designs, safety measurements, structural health monitoring, and retrofitting. The Institute will also offer UG minor/major courses as well as PG courses for the same.



2. IIT (BHU), Varanasi and National Institute of Industrial Engineering, Mumbai, conducted the concluding session of the Global Online Certification Course on Data-Driven Supply Chain Transformation 2022, in association with Prof. David Simchi-Levi (MIT, USA), and under the leadership of Prof. Manoj Tiwari (Director, NITIE) and Prof. Pramod Kumar Jain (Director, IIT (BHU) and Director, I-DAPT Hub Foundation, IIT (BHU), Varanasi). The event was graced by Sh. Rajesh Aggrawal, IAS Officer (Ministry of Skill Development and Entrepreneurship), and Sh. Akhilesh Tuteja (Global Head, Cyber Security-KPMG) as the keynote speaker. A total of more than 1600 individuals from 84+ prestigious national and international organizations have participated proactively in the course. The course included participants from more than six countries, including the USA, UAE, Canada, Germany, South Korea, and Spain.



3. Team AVERERA of IIT (BHU), Varanasi, has once again brought laurels to the Institute and the nation by ranking 3rd globally and 1st in Asia-Pacific & Middle-east in Shell Eco-Marathon 2022. One of the top student engineering competitions in the world, the Shell Eco-Marathon is an international event with an emphasis on energy optimization. It aims to provide cleaner energy solutions through electric vehicles. This year, 157 teams from 37 countries participated. Team AVERERA will receive prize money of US \$4750 from Shell. The EV made by AVERERA is made up of carbon fiber and is extremely lightweight. As per simulation results, the vehicle will approximately give a mileage of 200 Km/kWh.



4. IDAPT Hub Foundation, IIT (BHU) conducted the finals of the national level mega event for startups, the 'I-DAPT Hub Pitch Challenge', on 22nd and 23rd August, 2022. The event marked the celebration of Azaadi ka Amrit Mahotsav at IIT (BHU), Varanasi. This program is under the aegis of the National Mission on Interdisciplinary Cyber Physical Systems. Top 24 startups from all over India working in thrust areas of Power, Defence, Healthcare, Telecommunications, and Road, Transport & Highways, competed for the cash prizes worth Rs. 5 lakh, and winners/runner-ups of the event got direct entry into the screening round of Incubation process. Startups exhibited their products/services using cutting-edge technologies at the 'Start-up Expo'.

Revisiting the serenity of VT



Vishwanath Temple, Birla Temple, VT and many more, this place carries tons of names and with it come tons of emotions.

With a jam-packed crowd rushing in as we enter, a calmness is felt in aura of this place. The smell of

incense, ringing of bells, and chanting of *mantras*. One can find peace amidst the chaos at the threshold of the temple.

Outside the temple are a plethora of people from diverse backgrounds, all drenched in the devotion of *Mahakal*. The picturesque view of the gardens and fountains mesmerizes us all more than anything. The two giant rhino statues in the grounds of the temple are a center of attraction for the children and the adults alike.

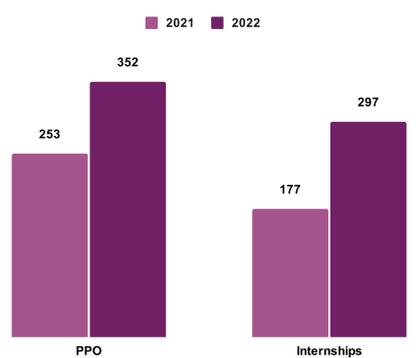
When the hustle of daily life forces us to skip meals, we move a bit outside the premises to savor our taste buds with some lip-smacking delicacies at VT. *Chai* with *samosa* being our primary choice, most often we just fight our mind, trickling through various alternatives and yet stopping at good old potato-filled snack. But be it biting into the piping hot *samosas* or sipping the world-famous cold coffee, all of us cherish the moments spent here and the tons of memories made here.

Entropic yet serene, tranquil yet tumultuous in nature, this place will always coalesce with our hearts, amplifying the chants of *Har Har Mahadev!* as we commemorate the temple's beauty.



Performing better with every passing year, the Institute witnessed stellar performance this internship season with dedicated efforts of the Training and Placement Cell. A total of 352 paid internship offers and 253 Pre-Placement Offers (PPO) have been bagged by the students in reputed companies like Microsoft, Google, Goldman Sachs, Sprinklr, Procter and Gamble, De Shaw, Salesforce, Uber, and many more till 30th August, 2022, with the number still increasing.

The highest PPO and internship stipend offered was Rs. 91,18,716/- per annum and Rs. 2,50,000/- per month, respectively, with the average being Rs. 28,11,268/- per annum and Rs. 1,10,210/- per month respectively. This year has seen a significant increase in the highest PPO and the internship stipend from Rs. 45,97,000/- per annum and Rs. 2,00,000/- per month, respectively, offered last year.



Research & Development

With the patriotism that comes with the month of August, a similar pride can be felt when talking about the Research & Development at the Institute.

Title of Project	Name of funding agency	Period	Total cost of project in Rs.
Modelling of advanced polycrystalline materials for crystal plasticity simulations of machining processes	SERB	2 years	9,43,950
Blowoff Dynamics of Afterburner Flame	DRDO (AR&DB)	3 years	98,90,000

Projects sanctioned in August

A total of 107 Testing/Consultancy projects were carried out this month, amounting to a sum of Rs. 1,56,09,876/-. Moreover, eight new patents were granted this month, two of which had been filed in 2017 and six in 2018.

Department	Inventor's Name	Filing Date
SMST	Prof. Pralay Maiti, Shivam Tiwari	03-08-2022
SMST	Dr. Akhilesh Kumar Singh, Vishwa Pratap Singh	26-08-2022
BCE	Prof. Vikash Dubey, Dr. Pranjal Chandra, Ms. Naveena Menpadi	29-08-2022

Patents filed in August

Media Section



Team AVERERA ranks first in Asia-Pacific region in Shell Eco-Marathon



MoU signed between IIT (BHU) and DMRC in underground space engg.

Team AVERERA

Team AVERERA participated in the Shell Eco-Marathon 2022 and has brought accolades to the Institute and the nation by ranking 3rd globally and 1st in the Asia Pacific and the Middle East among 157 teams from 37 countries. The team won 1st place in Pitch the Future, Simulate to Innovate Off-track award, and the Shell Eco-Marathon Quiz. Their vehicle is made of carbon fibre material to minimise body weight without compromising driver safety. It is highly aerodynamic, ergonomic and lightweight as electric efficiency is the goal of the competition. Team AVERERA has designed and manufactured the motor-controllers in-house to increase the efficiency.



Ideation Innovation & Incubation Foundation

Ideation Innovation & Incubation Foundation (I3F), a section 8 company, is an umbrella organization at IIT (BHU), Varanasi. It provides 'Start to Scale' support for entrepreneurship and facilitates research activities to convert into commercial ventures. It aims to develop regional competitiveness, enhancing links between universities and research institutions, and contributing to the growth of emerging technology businesses.



Recently, a sum of Rs. 46 lakh was disbursed to 10 startups (6 seed stage, 4 pre-seed stage) of COHORT - 1&2 as the second tranche to achieve their respective proposed milestones. Sh. Subodh Shah, the founder of M/S Frenzy Farm LLP, was awarded 'Uttarakhand Gaurav Samman - 2022' by the Agriculture Minister of Uttarakhand on 30th August, 2022.

Faculty Achievements

Best Teachers' Awards 2022

The Best Teachers' Awards 2022 across different categories have been announced. The following professors are being awarded this year:

1. UG First Year: Dr. Sanjeev Kumar Mahto, Associate Professor at School of Biomedical Engineering.
2. PG Classes: Dr. Santanu Das, Assistant Professor at Department of Ceramic Engineering.
3. UG Sciences and Humanities: Dr. Rakesh Kumar Singh, Associate Professor at Department of Physics.
4. UG Engineering: Dr. Gyan Prakash Modi, Assistant Professor at Department of Pharmaceutical Engineering and Technology.



We congratulate them all for their achievements and wish them the best for their future endeavors!

1994 Batch Research Excellence Fellowships

With the MoU signed with the US-based representatives of the 1994 batch of IIT (BHU) in mind, the awardees of the 1994 Batch Research Excellence Fellowships have been declared. The selections were on the basis of three categories, and for the term of two year (extendable upto four years, on the basis of performance and reconsideration from the selection committee). The winners will be awarded with Rs. 20,000 per month for their term of the fellowship. The IIT (BHU) professors whose contributions are being celebrated under the three categories are mentioned below:

IIT (BHU) - 1994 Research Excellence Fellowship for Engineering Faculty for recognizing a faculty member from Chemical Engineering and Technology Department: Dr. Rajesh Kumar Upadhyay (Professor).



IIT (BHU) - 1994 Research Excellence Fellowship for Engineering Faculty for recognizing a faculty member from Mechanical Engineering Department: Dr. Arnab Sarkar (Associate Professor).

IIT (BHU) - 1994 Research Excellence Fellowship for Engineering Faculty for recognizing a faculty member from Metallurgical Engineering Department: Dr. Girija Shankar Mahobia (Associate Professor).



Students' Updates

E-Cell IIT BHU conducted 'Impact Sessions', a series of four lectures that covered a wide range topics, delivered by professors from IITs and IIMs, and industry experts. The final round of an idea generation event, named 'Start-Bucks' was concluded, which saw a participation of more than 400 students. The team also helped organize the finale for I-DAPT Hub Pitch Challenge, a national-level pitching event. The Startup Helpbook is an initiative launched to provide students that are interested in startups with free resources, across the nation. Starting from Idea Generation, the multiple editions cover everything till Exit Strategy.



The Student Counseling Services recently launched the WellM app, co-founded by our alumnus, Sh. Rakesh Sarin (CHE '76), as an official wellness partner of IIT (BHU) alongside YourDost. Witnessing a turnout of more than 160 students, the session covered the importance of physical, mental, emotional, and overall well-being of the students,



along with a guide given by Sh. Rakesh about the important features of the app. Continuing their Flagship series of Acing Placements, sessions were conducted for the Consulting and Data Science domains, with recent alumni as the guest speakers to help provide students with the right guidance for their placements.

Alumni Updates

SAIC continued with its flagship 'Student Alumni Mentorship Program', conducting sessions on 'Research' and 'Core' as a part of its Weekly Panel Discussion series, with experienced alumni talking about the skills required to succeed in the respective domains. The internship drive of the second edition of the



'Alumni-Guided Mock Interviews' initiative by SAIC was successfully completed. The students got a chance to experience one-on-one mock interviews with our esteemed alumni. With 480+ students and 100+ alumni volunteers registered, more than 520 mock interviews were successfully conducted.

Alumni Achievements

Mojocare, a healthcare startup co-founded by Sh. Ashwin Swaminathan (CHE '16), recently raised a whopping amount of US \$20M in their series-A round of funding. Mojocare is a neo clinic focused on speciality wellness.



Sh. Pankaj Goel (ECE '02) and Avinash Tiwari (ECE '02) are the CEO and Co-Founder, respectively, at Opkey, a codeless continuous test automation platform that is AI enabled. They recently announced a funding of US \$8M, which has been led by Vertical Capital.



Dr. Jay Prakash (ECE '13) is the founder and CEO of Silence Laboratories, a web-focused startup that works with cybersecurity. There has just been an announcement of funding of US \$1.7M to Silence Laboratories by pi Ventures.



BrightChamps a global edtech platform founded by Sh. Ravi Bhushan (CSE '05) acquired Schola, a Singapore based live-learning platform for kids to master communication and English skills, in a US \$15M cash & stock deal.

Happy Teachers' Day!

A guide, a mentor, a guru.

Molding students' lives, being a constant support, and leading them to a successful career - a teacher does it all. We wish all the teachers out there who go the extra mile to ensure a bright future for their students, a very Happy Teachers' Day!

We also wish our alumni who've been a part of the Alumni Visiting Faculty Program as professors, imparting industrial knowledge to students to better prepare them for their careers ahead. We are thankful to have such supportive alumni who've been helping the Institute and its students with their immense knowledge and expertise in their fields.



Alumni Visiting Faculty Members

The IIT (BHU) Janmashtami

Sweeter than honey, tastier than curd, pleasanter indeed than any happiness and joy, is the company, is the power of Krishna's name.

Janmashtami is celebrated as the birthday of Lord Krishna, one of the most famous reincarnations of Lord Vishnu. To seek the blessings of Lord Krishna, an event to celebrate Janmashtami was organized by the Student Counseling Services (SCS) at Limbdi Hostel on 19th August, 2022, in collaboration with the Limbdi Hostel staff, with mirth and joy.



The fragrance of flowers, the soothing aroma of camphor, and the jingle of bells filled the air. While this religious significance is not lost, this day signifies a lot more to modern India. It embodies excitement,

euphoria, and a joyous spirit of enthrallment.

An evening of devotion, creativity, and fun, the celebration began by offering homage to Lord Krishna. After the *puja*, *prasad* distribution took place. Events like *Shloka Recital* competition, opening of *Jhanki*, talk on 'Bringing Krishna into our Lives' were organized. The entire hostel echoed with *bhajans* of Lord Krishna, and a new level of energy could be seen among the students during Mantra Rock by Vishuddha Band.



Various cultural programs were held, including group dance and music performances by the Dance FreakZ, the Institute's dance club, and the Indian Music Club. The event concluded with *Matki Phod*, where students made human pyramids and recreated the famous act of *Maakhan Chori*, one of the many mischievous acts from Lord Krishna's childhood. The celebration presented a beautiful blend of the religious and spiritual aspects of Bhagwan Shri Krishna.



Celebrating 75 years of India's Independence

The Institute celebrated the 75 years of India's independence on 15th August, 2022 at the IIT (BHU) Gymkhana (previously known as Principal King Memorial Pavillion) ground. Director Prof. Pramod Kumar Jain hoisted the Tricolor on this auspicious occasion.



The Cultural Council, IIT (BHU) put forth ecstatic dance and music performances for the students and staff of the institute. The students of 2nd year gave a beautiful showcase



Bhangra, while a tribute was paid to all the soldiers through a solo dance performance. A classical duo dance performance, a combination of Bharatnatyam and Kathak, was also performed.



Students from the council presented patriotic songs 'Satyamev Jayate', a group performance, and 'Ae Watan' as a duet.

Many buildings across the institute were decorated on the occasion of the 76th Independence Day, including the newly named Shreenivas Deshpande Library and the Anne Besant Lecture Theatre. The celebration of independence day is a way to inform the younger

generation about the importance of independence and showcase the pride in the hearts of all Indians. Extensive celebrations of such an occasion motivate all Indians to work hard for the Nation we all call home.



Connect back with your Alma Mater

Alumni can now connect with their fellow batchmates by registering themselves on the official alumni portal created by the office of Dean (Resource & Alumni Affairs). It will keep the alumni updated about the various developments in the Institute.

Link to the portal - <https://alumni-reg.iitbhu.ac.in/>



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 alumnicecell@iitbhu.ac.in.

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