



PLACEMENT BROCHURE

2023-2024

TRAINING AND PLACEMENT CELL
www.placement.iitbhu.ac.in

Training and Placement Cell, Near Administrative Office,
Indian Institute of Technology (BHU), Varanasi - 221005
tpo@iitbhu.ac.in | +91-542-7165958 | +91-542-7165959

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The Indian Institute of Technology (BHU) Varanasi, owes its existence to the far-sighted vision and relentless efforts of its founder Bharat Ratna Mahamana Pandit Madan Mohan Malviya Ji.

Engineering education in IIT(BHU) flourished in three different colleges, namely, the Benaras Engineering College (BENCO, established in 1919), College of Mining and Metallurgy (MINMET, 1923), and College of Technology (TECHNO, 1939). These colleges were merged to form the Institute of Technology (IT-BHU) in 1968 to provide quality education in engineering.



100+ YEARS OF EXCELLENCE

With the Institute of Technology Amendment Act, 2012, IT-BHU was declared as the Indian Institute of Technology (Banaras Hindu University) Varanasi. At present, the Institute comprises 15 departments and 3 interdisciplinary schools. In this 105-year-long journey, IIT (BHU) has produced numerous notable engineers and scientists who have made their way to the top in their respective fields across India and abroad. Their contributions through technological transformation, to industries, academic institutions as well as R&D labs, etc., have been phenomenal and noteworthy.

Many of our alumni are serving this country by being in the government or holding important positions in administration and diplomacy. Not only our country, but even foreign countries as well, have benefitted from them being successful entrepreneurs and job-providers. With a legacy of success spanning 105 years, the institution continues to provide high-quality education to students, transforming bright young minds into rational leaders ready to take charge and challenges.

MESSAGE FROM THE DIRECTOR



Prof. Pramod Kumar Jain
Director

“

IIT(BHU) is a pioneer institution in the field of engineering and technology, involved in the creation and diffusion of scientific, technical, and professional knowledge with a pragmatic approach for the promotion of indigenous and global industries as well as to serve humanity. Indeed this seat of learning is the living embodiment of the aspiration of new India because it believes to discover new facts or new relations between known facts which gives us a true insight into the new and growing body of knowledge and extend the benefits to human race.

In the present age of technology, IIT(BHU) strides continuously to develop skilled and competent professionals by offering internships in newer domains of technology through our technology innovation hub (TIH), technology incubation center, tinkering labs and vibrant technology-driven environment that creates a talent pool with unmatched credentials along with the commitment of national progress and global welfare. Indeed the exponential growth of technology driven society coerce us to re-imagine and reinvent the state-of-the-art training modules for students to address the challenges of whole technology landscape and therefore our internship programs in decision and precision science, artificial intelligence, quantum computing, sensors and Internet of Things(IoT), Cyber physical system(CPS), clean energy automobile, hybrid electric and hydrogen energy, infrastructure, supply and chain, telematics, drug discovery, novel drug delivery systems, medical devices, etc. continuously producing the skilled human resources for addressing the technological challenges and also in the creation of new opportunities by unlocking the innovations in all the applied fields of engineering, technology and science. Our right skilling and re-skilling program modules make our students future ready.

I am confident that our students will prove themselves and contribute immensely toward the pursuit of organization's ambitions with a ray of hope that our indigenous and global industries will offer internships and jobs to our students at our campus and further, this relationship will go beyond having other kinds of engagements and mutual benefits.

I extend my deep appreciation for our industry partners who have recognized the depth of our rich and diverse talent pool and accorded valuable opportunities

I am looking forward to your visit to this campus soon.

”

MESSAGE FROM THE COORDINATOR



Prof. S. K. Shrivastava

Coordinator

Training and Placement Cell

“

It gives me immense pleasure to cordially invite you to participate in the Placement and Internship Session 2023-24 at the Indian Institute of Technology (BHU), Varanasi. It is my sincere belief that our institute and your esteemed organization stand to gain immensely from this partnership.

Having pioneered technical education in India for over a century, IIT (BHU) has continuously been ranked among the elite institutions of the country. Our relentless pursuit of excellence has made our institute a focal point in technical education among the brightest minds in India. Admissions to IIT (BHU) are secured through the prestigious Joint Entrance Examination (JEE) and Graduate Aptitude Test in Engineering (GATE).

With increasing emphasis being placed on job-ready talent for the industry, IIT (BHU) has taken great care in ensuring the technical brilliance of all its students. All undergraduate students undergo summer training in reputed companies/institutions/organizations as part of their academic curriculum. The experience is further supplemented by frequent industry interactions.

The Institute has also focused greatly on inculcating the innovative entrepreneurial spirit into the minds of its capable students. Several entities such as the Ideation, Innovation, and Incubation (I-3) Foundation and the I-DAPT-HUB Foundation encourage innovation and incubation in line with the Institute's objectives.

More information about the Institute and various programmes/ courses offered to the students is available in the placement brochure. Please feel free to contact the Training and Placement Office in case of any queries.

I look forward to a fruitful and mutually beneficial relationship with your esteemed organization.

”

MESSAGE FROM THE DEPUTY COORDINATOR



Dr. Surya Deo Yadav

Deputy Coordinator

Training and Placement Cell

“

I am immensely pleased to welcome all current and upcoming recruiters to the Indian Institute of Technology (BHU) Varanasi. This institution embodies the convergence of knowledge and character, passion and compassion, and progress and sustainability.

For over a century, our institute has been the epicenter of excellence in higher education, providing students with many opportunities and empowering them to effectuate societal transformations through innovation and integration. IIT BHU has a long-standing reputation for producing some of the brightest minds in the country. Having gone through one of the most challenging and rigorous entrance examinations in the country, students at IIT BHU are well among the most talented students with all the required skill sets that a recruiter can ask for. Our students are not just limited to academic pursuits and are encouraged to participate in a diverse range of extracurricular activities to maintain a well-rounded personality.

The Training and Placement Cell (TPC), IIT(BHU), links the student community and the recruiting companies and facilitates the smooth conduction of the entire recruitment process. The TPC assists students in developing their academic and career interests and their short and long-term goals through individual counselling and career development programs. It has been at the forefront of the institute's progress by ensuring a hassle-free recruitment process and increasing the quality and quantity of offers made every passing year.

Our students have achieved great heights in the industry owing to the strong foundations they built at the institute. Our students will continue to excel and prove their mettle while contributing to the growth and betterment of your organization in a similar fashion. I look forward to your visit to our institute at the earliest and marking the beginning of a fruitful partnership for the years to come.

”

MESSAGE FROM THE DEPUTY COORDINATOR



Dr. Kishor P. Sarawadekar
Deputy Coordinator
Training and Placement Cell

“

We are pleased to invite all potential recruiters looking to participate in the Placement and Internship Session 2023-24 at the prestigious Indian Institute of Technology (BHU), Varanasi. Our collaboration would be mutually beneficial and contribute significantly to our shared objectives.

IIT (BHU) recognizes the importance of producing job-ready graduates and has implemented measures to ensure its students possess the necessary technical skills to excel in their chosen fields. As part of the academic curriculum, undergraduate students must undergo summer training with reputable organizations. In addition, the institute promotes frequent interactions with industry professionals to enhance the learning experience.

The institute is dedicated to fostering a culture of innovation and entrepreneurship among its students. To this end, student-led clubs have been established to encourage collaboration on real-world initiatives and projects. This provides students valuable experience working in teams and within an organizational framework, preparing them for their future careers.

The Training and Placement Cell serves to aid both the students and the recruiters in matching their interests by interacting with each other, ultimately helping them both mutually achieve their desired goals. Our team will ensure that your recruitment process will be hassle-free and a pleasing experience for you and the students. We would be honored to have your esteemed organization partner with us and take advantage of this opportunity to recruit talented and highly skilled individuals from our Institute.

”

PLACEMENT TEAM

COORDINATOR

Prof. S. K. Shrivastava

Email: tpo@iitbhu.ac.in

Phone: +91-542-7165959/958

DEPUTY COORDINATORS

Dr. Surya D. Yadav

+91-9455908629

Dr. Kishor P. Sarawadekar

+91-9838764487

OFFICE STAFF

Mohit Srivastava

+91-9044842801

Ashish Vishwakarma

+91-9695893109

Shravan Dubey

+91-8299567078

CORE TEAM

Ayush Singh

Mathematics and Computing

(Joint Head)

+91 62070 36096

Soumya Ranjan Panda

Mining Engineering

(Joint Head)

+91 94377 35936

Aadhar Srivastava

Electrical Engineering

+91 79824 10231

Priyanshi Nama

Metallurgical Engineering

+91 88275 15737

Raghav Mantry

Ceramic Engineering

+91 77488 28923

Parth Bansal

Computer Science and
Engineering

+91 81270 43111

Surendra Singh Jayant (M.Tech)

Electrical Engineering

+91 77048 74507

TRAINING AND PLACEMENT: THE STRUCTURE AND FACILITIES

THE STRUCTURE:

The Training and Placement Cell is responsible for campus placement at IIT(BHU) Varanasi. The Coordination Committee, the Placement-Cell staff, and the student representatives handle various crucial tasks like reaching out to companies, scheduling their visits, executing placement-related activities, and carrying out all official communication with recruiters and students.

The team of student representatives consists of:

- **The Core Team** (for assisting the Coordination Committee towards excellence in intern and full-time hiring)
- **SPOC** (for coordination with the visiting organizations)
- **Departmental TPR** (to represent the concerns of the students from their batch and discipline, and to assist in intern and full-time hiring process)
- **TPV** (to assist during the hiring procedure)
- **Web Team** (to provide support in the form of a digital platform).

THE FACILITIES:

The Training and Placement Cell is well-equipped with excellent following facilities to support every stage of the placement process:

- End-to-end online system for students.
- Auditoriums to conduct workshops and Pre-placement talks.
- Tele-interview rooms.
- Video-conferencing facility.
- Fully computerized and air-conditioned office.
- Infrastructure to support online/offline screening tests.

PLACEMENT PROCESS

01

INVITATION

A formal invitation with the placement timeline and other relevant information is sent out by the TPC to organizations to take part in the hiring process.

02

JAF/IAF

The company should fill in the Job Application Form/ Internship Application Form containing details of the job profile and company's requirements and submit it to the TPC as an email attachment to tpo@iitbhu.ac.in or as a hard copy.

03

PRE PLACEMENT TALK

The interested companies will be allotted slots and dates for conducting PPT/ Written tests/Online Tests.

04

SHORTLIST

The list of shortlisted and waitlisted students for the final placement process is to be mailed to the TPC by the company latest by a specified date.

05

INTERVIEW

Interviews begin on December 1. The placement cell allots campus interview dates to the organizations.

06

FINAL LISTING

The company needs to furnish final list of selected students by the end of the assigned interview slot.

ACADEMIC PROGRAMS

The selection procedure for various programs at IIT(BHU), Varanasi is through a highly stringent examination. Only the students of the highest caliber finally make it to the campus.

Admission by JEE (Advanced)

4 Years Bachelor of Technology (B.Tech.)
5 Years Integrated Dual Degree (IDD)
5 Years Bachelor of Architecture (B.Arch.)

Admission by GATE/JAM/NET/GPAT

2 Years Master of Technology (M.Tech.)
2 Years Master of Science (M.Sc.)
Doctor of Philosophy (Ph.D.)

PROGRAMS OFFERED BY THE INSTITUTE

Department of Architecture

- B.Arch. in Architecture, Planning, and Design

School of Biochemical Engineering

- Dual Degree: (B.Tech. and M.Tech.) in Biochemical Engineering
- M.Tech. in Biochemical Engineering
- Doctor of Philosophy (Ph.D.)

School of Biomedical Engineering

- Dual Degree: (B.Tech. and M.Tech.) in Biomedical Engineering
- M.Tech. in Biomedical Engineering
- Doctor of Philosophy (Ph.D.)

Department of Ceramic Engineering

- B.Tech. in Ceramic Engineering
- Dual Degree: (B.Tech. and M.Tech.) in Ceramic Engineering
- Doctor of Philosophy (Ph.D.)

Department of Chemical Engineering and Technology

- B.Tech. in Chemical Engineering
- M.Tech. in Chemical Engineering
- Doctor of Philosophy (Ph.D.)

Department of Civil Engineering

- B.Tech. in Civil Engineering
- Dual Degree: (B.Tech. and M.Tech.) in Structural Engineering
- M.Tech. in Hydraulics and Water Resources Engineering
- M.Tech. in Geotechnical Engineering
- M.Tech. in Structural Engineering
- M.Tech. in Environmental Engineering
- M.Tech. in Transportation Engineering
- M.Tech. in Geo-informatics and Geosciences Engineering
- Doctor of Philosophy (Ph.D.)

ACADEMIC PROGRAMS

Department of Computer Science Engineering

- B.Tech. in Computer Science Engineering
- Dual Degree: (B.Tech. and M.Tech.) in Computer Science Engineering
- M.Tech. in Artificial Intelligence (AI)
- M.Tech. in the Internet of Things (IoT)
- Doctor of Philosophy (Ph.D.)

Department of Electrical Engineering

- B.Tech. in Electrical Engineering
- Dual Degree: (B.Tech. and M.Tech.) in Electrical Engineering.
- M.Tech. in Electrical Machines and Drives
- M.Tech. in Power Systems
- M.Tech. in Control System Engineering
- M.Tech. in Power Electronics
- M.Tech. in Interdisciplinary Systems Engineering
- Doctor of Philosophy (Ph.D.)

Department of Electronics Engineering

- B.Tech. in Electronics Engineering
- M.Tech. in Microwave Engineering
- M.Tech. in Microelectronics Engineering
- M.Tech. in Communication Systems Engineering
- M.Tech. in Digital Techniques and Instrumentation
- Doctor of Philosophy (Ph.D.)

Department of Metallurgical Engineering

- B.Tech. in Metallurgical Engineering
- Dual Degree: (B.Tech. and M.Tech.) in Metallurgical Engineering
- M.Tech. in Corrosion Fatigue and Hot Corrosion
- M.Tech. in Computational Thermodynamics
- Doctor of Philosophy (Ph.D.)

Department of Mining Engineering

- B.Tech. in Mining Engineering
- Dual Degree: B.Tech. and M.Tech. in Mining Engineering
- M.Tech. in Mine Environment and Ventilation
- M.Tech. in Mine Planning and Design
- M.Tech. in Rock Mechanics and Ground Control
- M.Tech. in Mine Safety and Risk Analysis
- M.Tech. in Coal Beneficiation
- Doctor of Philosophy (Ph.D.)

Department of Chemistry

- Dual Degree: (B.Tech. and M.Tech.) in Industrial Chemistry
- Master of Science (M.Sc.)
- Doctor of Philosophy (Ph.D.)

ACADEMIC PROGRAMS

School of Material Science and Technology

- Dual Degree: (B.Tech. and M.Tech.) in Material Sciences and Engineering
- M.Tech. in Material Sciences and Engineering
- Doctor of Philosophy (Ph.D.)

Department of Mathematical Sciences

- Dual Degree: (B.Tech. and M.Tech.) in Mathematics and Computing
- Doctor of Philosophy (Ph.D.)

Department of Mechanical Engineering

- B.Tech. in Mechanical Engineering
- Dual Degree: (B.Tech. and M.Tech.) in Mechanical Engineering
- M.Tech. in Machine Design
- M.Tech. in Thermal and Fluid Engineering
- M.Tech. in Production Engineering
- M.Tech. in Decision Sciences and Engineering
- Doctor of Philosophy (Ph.D.)

Department of Pharmaceutical Engineering and Technology

- B.Tech. in Pharmaceutical Engineering and Technology
- Dual Degree: (B.Tech. and M.Tech.) in Pharmaceutical Engineering and Technology
- M.Pharm. in Pharmaceutics
- M.Pharm. in Pharmaceutical Chemistry
- M.Pharm. in Pharmacognosy
- M.Pharm. in Pharmacology
- Doctor of Philosophy (Ph.D.)

Department of Physics

- Dual Degree: B.Tech. and M.Tech. in Engineering Physics
- Master of Science (M.Sc.)
- Doctor of Philosophy (Ph.D.)

Department of Humanistic Studies

- Doctor of Philosophy (Ph.D.)

DEMOGRAPHICS(UG)



IDD



B.TECH



B.ARCH.

14

ARCHITECTURE
PLANNING & DESIGN

13

BIOCHEMICAL
ENGINEERING

13

BIOMEDICAL
ENGINEERING

10

CERAMIC
ENGINEERING

37

CHEMICAL
ENGINEERING

172

33

CIVIL
ENGINEERING

130

37

COMPUTER SCIENCE
AND ENGINEERING

109

33

ELECTRICAL
ENGINEERING

127

ELECTRONICS
ENGINEERING

146

DEMOGRAPHICS(UG)



IDD



B.TECH



B.ARCH.

ENGINEERING
PHYSICS

31

 $E=MC^2$

17



INDUSTRIAL
CHEMISTRY

MATERIAL SCIENCE
AND TECHNOLOGY

14



57

 fx

MATHEMATICAL
SCIENCES

MECHANICAL
ENGINEERING

35



161

28



METALLURGICAL
ENGINEERING

86

MINING
ENGINEERING

18



79

11



PHARMACEUTICAL
ENGINEERING

40

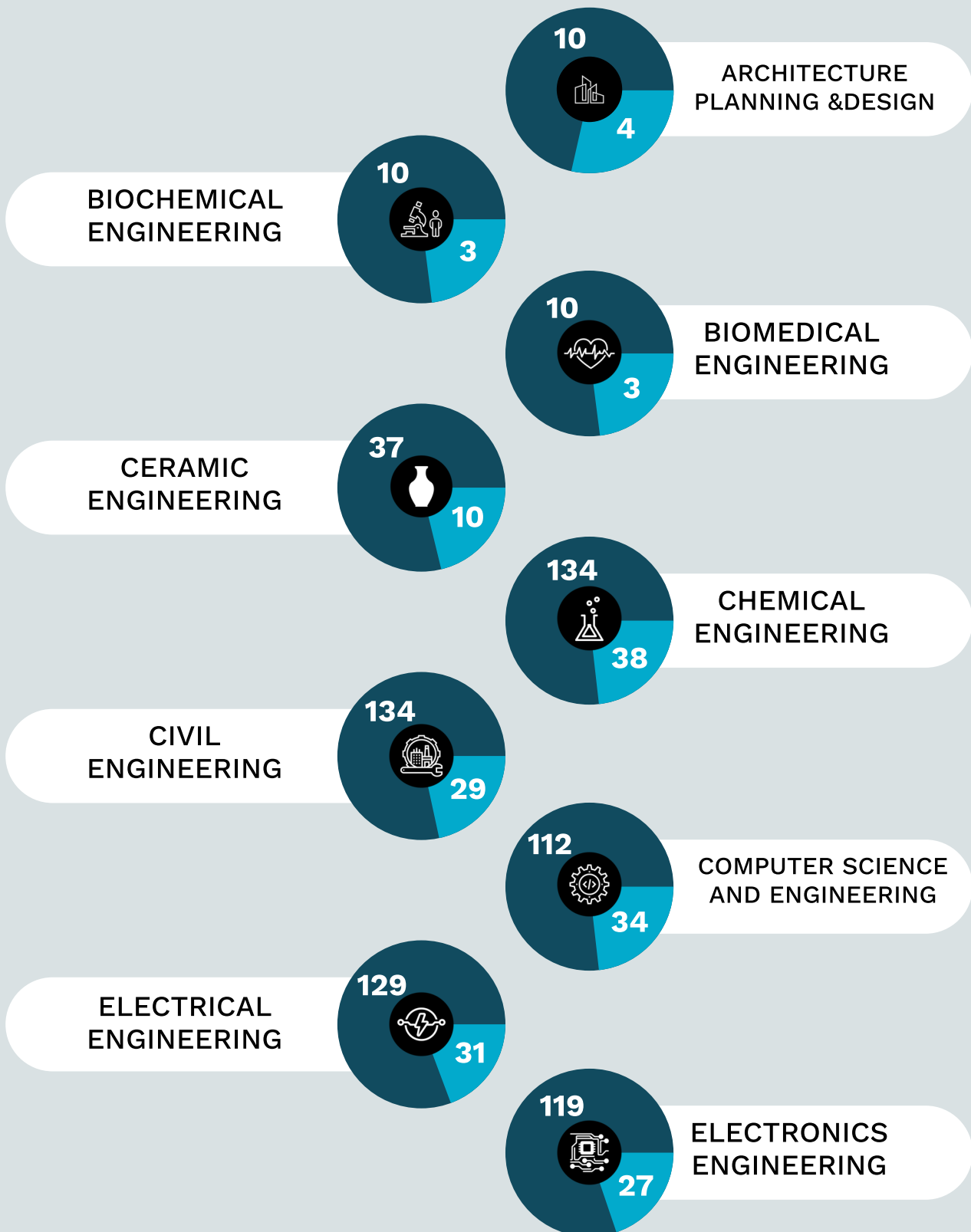
DEMOGRAPHICS(UG)



MALE



FEMALE



DEMOGRAPHICS(UG)

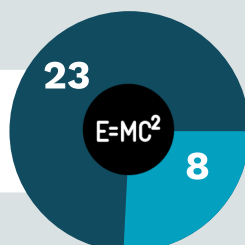


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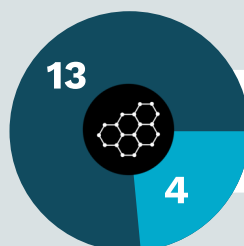


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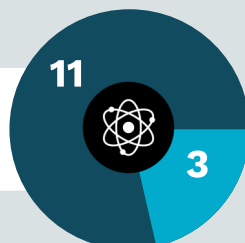
ENGINEERING
PHYSICS



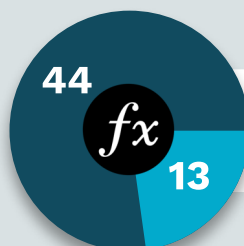
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CHEMISTRY



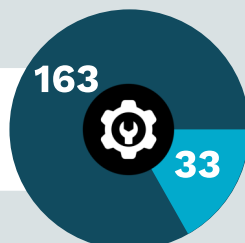
MATERIAL SCIENCE
AND TECHNOLOGY



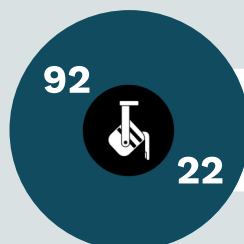
MATHEMATICAL
SCIENCES



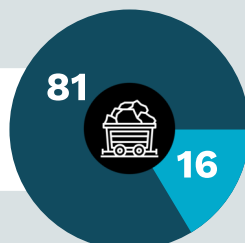
MECHANICAL
ENGINEERING



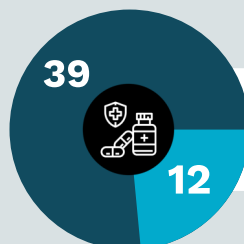
METALLURGICAL
ENGINEERING



MINING
ENGINEERING



PHARMACEUTICAL
ENGINEERING



DEMOGRAPHICS (PG)

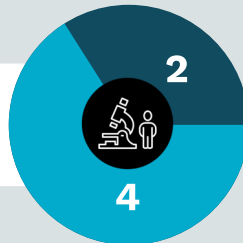


MALE



FEMALE

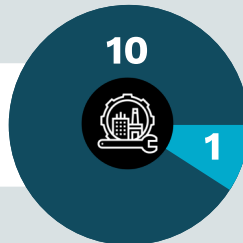
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ENGINEERING



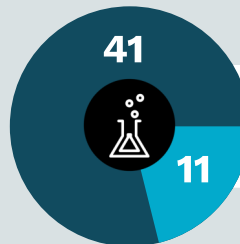
BIOMEDICAL
ENGINEERING



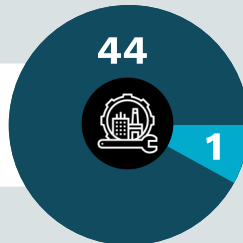
CERAMIC
ENGINEERING



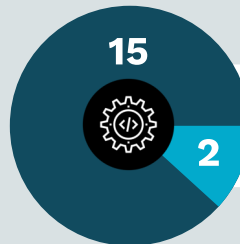
CHEMICAL
ENGINEERING



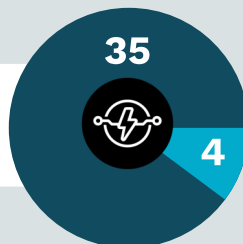
CIVIL
ENGINEERING



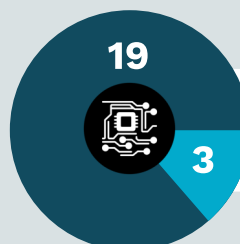
COMPUTER SCIENCE
AND ENGINEERING



ELECTRICAL
ENGINEERING



ELECTRONICS
ENGINEERING



DEMOGRAPHICS (PG)

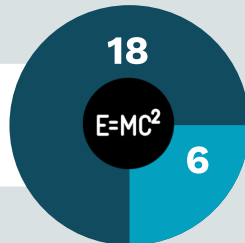


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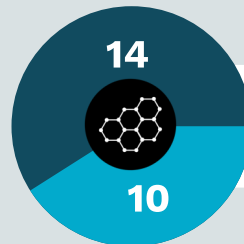


FEMALE

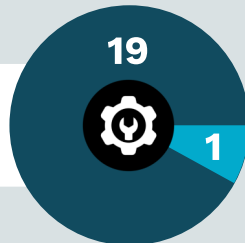
M.Sc
PHYSICS



M.Sc
CHEMISTRY



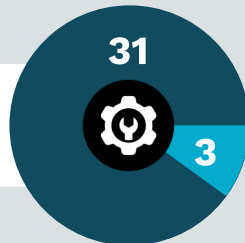
MATERIAL SCIENCE
AND TECHNOLOGY



MATHEMATICAL
SCIENCES



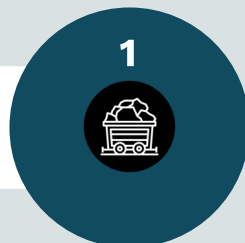
MECHANICAL
ENGINEERING



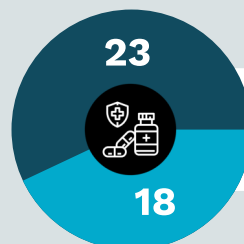
METALLURGICAL
ENGINEERING



MINING
ENGINEERING



M.PHARM



RESEARCH AND DEVELOPMENT

11**ENGINEERING
DEPARTMENTS****3****SCIENCE
DEPARTMENTS****3****SCHOOLS****1****HUMANITIES
DEPARTMENT****350+****FACULTY****1400+****UG
STUDENTS****300+****PG
STUDENTS**

BEYOND CLASSROOM

TECHNEX is the annual techno-management festival of the Indian Institute of Technology (BHU), Varanasi. It brings engineers, designers and innovators from across the nation to a confluence of creation, innovation and invention. TECHNEX holds a multitude of events from many fascinating arenas of technology and management.



E-Summit is the annual three-day entrepreneurial extravaganza of the Indian Institute of Technology (BHU), Varanasi. It incorporates multiple competitions embracing workshops, panel discussions, entrepreneurship lectures, and a plethora of events and workshops wherein the tremendous response from fervent entrepreneurs is witnessed every year.

IITBHU Model United Nations is the pioneering Model UN conference of North India. The event facilitates multilayered and multilateral discussions on pertinent international issues among some of the brightest minds globally. Renowned diplomatic personalities, including Ambassadors, grace the three-day diplomatic extravaganza.



BEYOND CLASSROOM



Kashiyatra, the annual socio-cultural festival of IIT (BHU), is a three-day fiesta encompassing enchanting literary, musical and artistic events. It is North India's largest cultural festival and takes place within Asia's biggest residential university. It encapsulates the enriching cultures and traditions of the holy city of Varanasi.

Spardha, the annual sports festival of IIT (BHU), has a glorious history of over 30 years. It has grown to become the largest and the most awaited sports festival of North India. Thousands of participants from all over the country compete each year in a range of events creating a stunning spectacle of fervid talent.



FMC Weekend, since its inception, has provided a platform for the multitude to showcase their digital arts talent and meet the pioneers in this field. Organized by the Film and Media Council, IIT (BHU), it inspires the youth to partake in digital arts such as cinematography, photography, journalism, animation, and design.

BEYOND CLASSROOM

SAIC

The Student Alumni Interaction Cell is a student body that fosters relationships between the alumni, the students, and the Institute. It undertakes several initiatives to aid the overall development of the Institute. It publishes a monthly alumni newsletter, Alma Communiqué, to apprise the alumni with the latest developments of the Institute.



STUDENT ALUMNI INTERACTION CELL, IIT (BHU), VARANASI

E-CELL

The Entrepreneurship Development Cell, IIT (BHU), inculcates an entrepreneurial environment in the institute. It provides excellent opportunities for start-ups, colleges, alums, and corporations to get involved with the institute. Our students have participated in various competitions, and the performance over the years has plunged to an unbeatable level.



The Student counselling Services, IIT (BHU), Varanasi is an institute-level faculty-student body consisting of a team of 10 faculty members and 120+ students. It aims towards the holistic development of students as a SAKHA (Friend in Campus) by conducting guest talks, activities and counselling sessions under various councils related to wellness, academics, career, skills, and research.



SCS



The IIT (BHU) Research Community is a research body founded by a group of students enthusiastic about core engineering and science. It was started with the aim of cultivating higher studies and research culture amongst IIT (BHU) students. It is a community of students to inspire fellow students to pursue research as their career.

RESEARCH COMMUNITY

CLUBS AND COUNCILS

The Science and Technology Council is an organization where imaginative and creative projects come to life. This council aims to promote and enhance problem-solving skills among students through exposure to scientific and technological disciplines. The council hosts a variety of activities throughout the year, culminating in annual techno-management event TECHNEX.



The Cultural Council, IIT (BHU), is one of the oldest councils of the Gymkhana. It encompasses seven clubs and organises workshops, activities, and events like the Cultural Weekend. Motivate students to paint with hues of imagination, develop skills in debating, extemporaneous speaking and much more.



The IIT BHU Sports Council boasts of world-class facilities and professional coaches to mentor students on the intricacies of each sport enabling students to outperform their opponent and establish IIT-BHU as a sports giant. The council has nurtured notable athletes who brought laurels and recognition to the Institute.



The Film and Media Council aspires to bring out creativity in our budding engineers. The council helps in making the Institute festivals and events a huge success. FMC Weekend is the annual event organised by the council, which brings out creativity in the country's youth.



The Social Service Council brings about positive changes in the relationship of IIT (BHU) students with our society. It conducts various events in and outside the campus with a vision to generate a sense of responsibility towards society. The goal is to assist students in organising social service events and raising awareness among the IIT (BHU) community.



BEYOND CLASSROOM



Club of Sustainability and Innovation

The Club of Sustainability and Innovation(CSI) is a community of like-minded individuals who aim to develop disruptive technological innovations which help the country and the society.



Club Of Programmers

The Club of Programmers plays a crucial part in maintaining the coding culture in the institute. Introductory workshops are held to introduce various facets of programming. Regular competitions are held to test and sharpen programming skills.



BUSINESS CLUB

The Business Club, IIT (BHU), aims to build a robust business culture, nurture the brilliant technological minds of the institution, and impart insight into the business side of the world.



ShARE IITBHU

ShARE IITBHU offers a leadership programme to IIT-BHU students to supplement their academic curriculum and offers corporations a new way to consult and build innovative ecosystems.



CAREER DEVELOPMENT PROGRAMME

The Career Development Programme is initiated by the Training and Placement Cell, IIT (BHU) Varanasi, to serve as a bridge between the requirements of the industry and the skillsets of the internship and placement aspirants at IIT (BHU). The program aims to facilitate one-on-one interaction between recruiters and aspirants in a collaborative environment.

The events planned provides an unprecedented opportunity for the industry to interact directly with the talent pool available at IIT (BHU).

The events planned for the program were:

- Guest lectures by industry leaders
- Workshops, guided projects, hackathons per industry standards
- Direct interaction between recruiters and students through exhibition booths
- Upskilling activities on subjects such as resume making, professional networking, interview etiquette, etc.

The two-day, fifteen-event series covered various topics, from Introduction to Quant Finance, Cybersecurity, an exciting career option ahead to Demystifying Consulting. Renowned industry professionals led the workshops and sessions.

The Career Development Programme plans to host more events in future editions, focusing on providing students with the skills they need to thrive in today's rapidly changing job market. With the support of experienced professionals and a dedicated team of volunteers, the program is well-placed to impact students' professional careers in its future edition.



OUR ALUMNI

Dr. Kota Harinarayana
Padma Shri Awardee
Former Director, ADA
Chief Designer, LCA, Tejas
MEC'65



Nikesh Arora
CEO and Chairman,
Palo Alto Networks
EEE'89

Jay Chaudhry
CEO and Founder,
Zscaler
ECE'80



Dr. Ram Charan
Business Consultant,
Charan Associates
MEC'59

Dr. Indu Bhushan
Ex-CEO,
National Health
Authority &
Ayushman Bharat
EEE'81



Manoj Sinha
Lt. Governor,
Jammu & Kashmir
CIV'79

OUR ALUMNI

Deepak Ahuja
CFO,
Tesla Motors
CER'85



Varun Grover
Writer,
Indian Stand-Up
Comic
CIV'03

Prof. Pulickel Ajayan
Founding Chair,
Department of
Materials Science
and
NanoEngineering,
Rice University
MET'85



Lt. Shri Krishan Kant
Former Vice
President Of India
Former Governor
Of Andra Pradesh
MEC'59

Nandita Sinha
CEO,
Myntra
CER'03



Irina Ghose
COO,
Microsoft India
EEE'93

SPONSORED PROJECTS

(2022-23)

- Study of composition and thermo-mechanical processing of 4-8% Cu Al alloy for fabricating the fuselage skins and frames for aerospace application
- Preparation & characterization of natural products derived self-surface functionalized carbon dots for oral cancer theranostics
- Development of Brain/Liver-on-a-chip models for understanding the role of liver in the progression of Alzheimer's disease during diabetes
- Orientation mechanism of low band gap uniaxially-oriented polymer semiconductor and its carrier transport characteristics
- Complete utilization of Banana from Farm till its disposal : A step towards the agricultural circular economy for growth of agriculture and farmers of U.P
- Design and development of machine learning based methods for plant disease detection.
- A new paradigm for flavour problem
- Revisiting traditional Indian agricultural practices against climate change vulnerabilities using machine learning techniques
- Development of Peripherally acting nano formulation of opioids for the treatment of neuropathic pain
- Development of disaster response system for collecting & disseminating information through social media text processing.
- Hybrid solar wind driven combined heat and power system using organic rankine cycle

SPONSORED PROJECTS

(2022-23)

- A novel meso-micro scale coupling approach for wind resource assessment
- Animal studies to establish the efficacy of surface polarized sodium potassium niobates for orthopedic implant application
- Design and Development of potential multifunctional hybrids for the treatment of Alzheimer's Disease
- Development of fly ash brick from the waste generated from Grasim Industries Ltd. , Renukoot, UP.
- Design and analysis of adaptive tow-steered laminates
- Experimental investigation of stability limits, NOx emissions and blowout phenomenon of ammonia - hydrogen-nitrogen air mixtures in a non-premixed swirl combustor
- Development of an inexpensive high-fidelity technique for the prediction of failure capacity of thin shell structures
- A Novel, Rapid, High-Throughput Characterization of Microbiome Dynamics through Cytomics and Machine Learning
- Development and processing of magnetocaloric thin sheets for enhanced thermomagnetic energy harvesting applications
- Electronics repairing and E-waste collection system
- Thermo-catalytic conversion of carbon dioxide into ethanol and higher alcohols.
- Supervised the city beautification project for the upcoming G20 meets to be held in April, June and August 2023, carried out by Varanasi Nagar Nigam

MOUs SIGNED

National MoUs

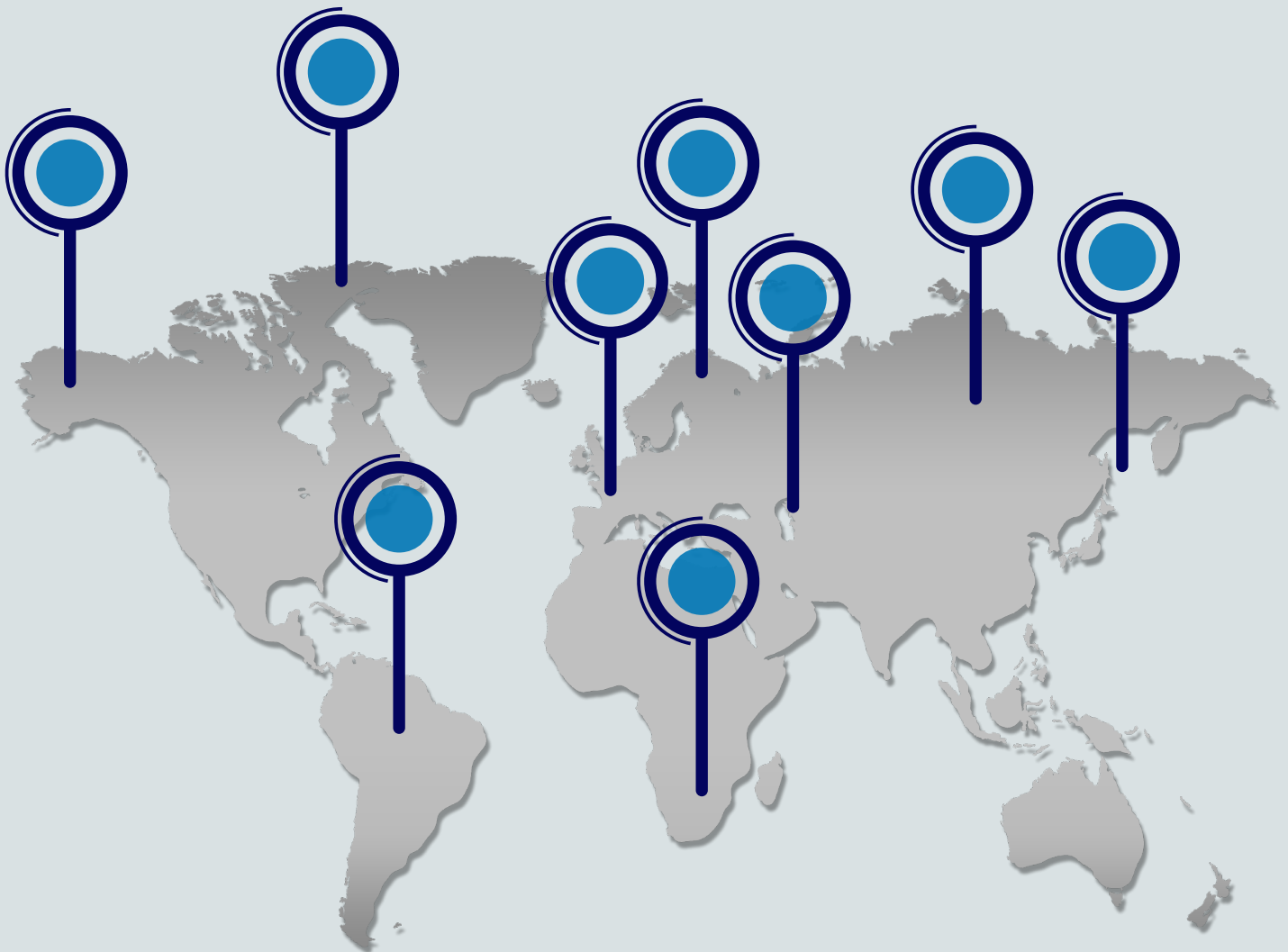
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|---|------------|
| • Ministry of Consumer Affairs, Food & Public distribution | 24.12.2022 |
| • Ministry of Heavy Industries (MHI) | 22.12.2022 |
| • Bureau of Indian Standards | 28.11.2022 |
| • Project Management Unit, Ozone Cell, Ministry of Environment, Forest and Climate Change Government of India | 16.11.2022 |
| • Defence Research and Development Organisation | 06.10.2022 |
| • Indian Space Research Organisation (ISRO), Bengaluru | 23.12.2020 |

International MoUs

- | | |
|---|------------|
| • University of Electro-Communications, Japan | 03.10.2022 |
| • Virginia Commonwealth University, U.S.A | 25.07.2022 |
| • Umbrella MoU French Network of Engineering Schools members of the Federation Gay Lussac, France | 12.07.2022 |
| • University at Buffalo (UB), U.S.A | 17.05.2022 |
| • The State University of New York, U.S.A | 17.05.2022 |
| • University of Siegen, Germany | 05.05.2022 |

PUBLICATIONS

- **9272** Publications since 2016
- **86** Patents published during 2021-22
- **50** Patents filed during 2021-22



ACHIEVEMENTS



Google
Summer of Code

23 students from IIT (BHU) got accepted in Google Summer of Code (GSOC), which is one of the most prestigious open-source software Development programs in the world.

Our students of IIT (BHU) got accepted into Summer of Bitcoin, one of the world's most prestigious summer internship programs for university students interested in working on Bitcoin.



Our students got selected as mentees in Linux Foundation LFX Mentorship, proving its dominance yet again in Open Source Development.

ShARE IIT BHU boasts of winning its annual international competition - the iBatch, three years in a row. The competition is designed to mix international members into a team to work in a globally diverse team.



ACHIEVEMENTS



Team Averera, IIT BHU secured 3rd rank globally and 1st rank in the Asia Pacific and Middle East region in Shell Eco-Marathon 2022 Virtual League.

49 students from IIT BHU have secured luminous international research internships under many of the finest programs like DAAD-WISE, Mitacs GRI and ANU FRT.



Mitacs



Australian
National
University



5 Teams, from the Science and Technology council, IIT BHU competed against 22 IITs in cut-throat competitions and bagged 1 gold, 2 silver and 2 bronze medals in various technical events.

Our students from the Institute were selected in Microsoft Reinforcement Learning Open Source Fest, a software development while working alongside researchers, data scientists, and engineers at Microsoft Research NYC.



ACHIEVEMENTS



Our students from IIT BHU finished in the top 10 of the leaderboard of the Worldquant Brain Alphathon along with the second-best alpha on the basis of the sharpe ratio metric.

Teams from IIT BHU swept all the podium finishes by securing the 1st, 2nd and 3rd positions at PMX, one of India's largest Product Management Competitions conducted by E-Cell, IIT Guwahati.



Our students from IIT BHU secured 6th position in Zootopia organized by Atal Innovation Mission. The team achieved this feat being the first batch of Architecture out of 1380 teams.

Team Alpha from IIT (BHU) won the Optum Stratethon Season 2 in the Engineering Track, a global competition that aims to change the future of Healthcare.



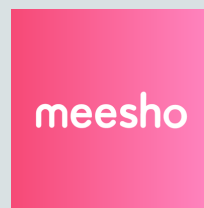
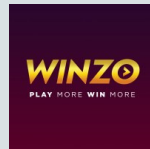
PAST RECRUITERS



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Ministry of Housing
and Urban Affairs
Government of India

