



DEPARTMENT OF SCIENCE, TECHNOLOGY AND TECHNICAL EDUCATION, GOVT. OF BIHAR

BAKHTIYARPUR COLLEGE OF ENGINEERING

DEDAUR, BAKHTIYARPUR, PATNA, BIHAR, 803212



Shaping Future Professionals



PLACEMENT BROCHURE 2025-26

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bcebakhtiyarpur.ac.in

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PRINCIPAL'S MESSAGE



“Education at BCE is driven by purpose empowering young professionals to contribute to industry and nation alike.”

Dear Esteemed Recruiters,

At Bakhtiyarpur College of Engineering (BCE), we believe that education is not merely about acquiring degrees, but about cultivating capable minds, ethical leadership, and industry-ready professionals who can contribute meaningfully to the nation's growth.

Our academic ecosystem is designed to align seamlessly with the evolving needs of industry. Through outcome-oriented pedagogy, integration of emerging technologies, and a strong emphasis on experiential learning, BCE ensures that students develop both technical expertise and practical problem-solving skills. Structured summer and winter internship programmes, coupled with exposure to national-level technical, cultural, and innovation-driven platforms, enable our students to gain real-world insights beyond the classroom. These initiatives collectively nurture confident, adaptable, and innovative graduates professionals who are prepared to meet challenges, embrace responsibility, and add value from day one.

In this spirit, we cordially invite esteemed recruiters to participate in our Campus Placement Programme, offering your organization direct access to a diverse and talented pool of young professionals driven by competence, curiosity, and commitment. We look forward to forging meaningful and long-term collaborations that create mutual growth empowering our students while strengthening your organization's pursuit of excellence.

(Dr. Amrita Sinha)

Principal, BCE Patna

Email: principal@bcebakhtiyarpur.ac.in

MESSAGE FROM T&P CELL



"Success is the result of preparation and opportunity —we ensure students are ready for both."



The Training and Placement Cell (TPC) at BCE Bakhtiyarpur is dedicated to bridging the gap between academia and industry by creating opportunities for students to develop the skills and attributes necessary for a successful professional career. We firmly believe that a combination of rigorous academic training and exposure to real-world challenges equips students to meet the dynamic demands of the corporate world effectively.

Through initiatives such as internships, industry workshops, and corporate interactions, we strive to provide our students with a platform to refine their abilities and broaden their perspectives. These programs are designed to help students transition seamlessly from the academic environment to the professional realm, ensuring their preparedness to contribute meaningfully to your organization.

We welcome you to the 2025-26 placement season at BCE Patna and look forward to collaborating with your organization. Our team is committed to facilitating a seamless recruitment experience and fostering a long-lasting relationship between our institution and your esteemed company.

(Prof. Rajeev Ranjan)
Training & Placement Officer
BCE Patna

MESSAGE FROM T&P CELL



"When preparation meets opportunity, success follows —we nurture both for our students."



BCE Patna is committed to shaping well-rounded professionals who are prepared to excel in their chosen careers. Our students are nurtured in an environment that fosters innovation, adaptability, and professional growth. They benefit from rigorous academic curricula complemented by participation in national and international technical, cultural, and leadership activities.

The Training and Placement Cell plays a crucial role in building connections with industry leaders, facilitating meaningful interactions that enhance the overall development of our students. We actively invite corporate professionals to engage with our students through workshops, seminars, and recruitment drives, creating a platform for fruitful collaboration.

As we embark on the 2025-26 placement season, we look forward to supporting your recruitment efforts and ensuring a smooth and enriching experience. Together, we can pave the way for a bright future for our students and your organization.

(Dr. Vikash Kumar)

Asst. Training & Placement Officer
BCE Patna

ABOUT BCE PATNA

Bakhtiyarpur College of Engineering (BCE), established by the Government of Bihar in 2016, is a distinguished government engineering college. Initially operating from IIT Patna's former campus, BCE inaugurated its own modern campus in Bakhtiyarpur on February 2, 2020, approximately 3 km from Bakhtiyarpur Railway Station. The college currently offers six engineering branches. Equipped with state-of-the-art facilities, BCE is dedicated to providing quality technical education and hands-on training.



Campus and Infrastructure at BCE

BCE's fully residential campus provides a comprehensive infrastructure, including academic buildings, modern laboratories, a central library, and comfortable student hostels. The campus also features an open-air theatre, faculty residences, and a variety of amenities designed to enrich student life and learning. Situated near Dedaur village, the campus promotes an engaging atmosphere for both academic and extracurricular pursuits. With access to the latest engineering and technology resources, students benefit from a learning environment that emphasizes practical experience alongside academic studies.

Academic Excellence and Programs

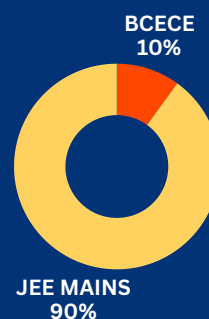
BCE is dedicated to providing an exceptional technical education through a hands-on approach to learning, supported by advanced labs, state-of-the-art equipment, and specialized software. To encourage practical skill development, students are engaged in real-world projects and industry-oriented training, fostering a readiness to tackle contemporary engineering challenges. This commitment to academic rigor and experiential learning equips students to meet the demands of a competitive technical landscape, preparing them for impactful careers that make meaningful contributions in their fields.

ACADEMIC PROGRAMS

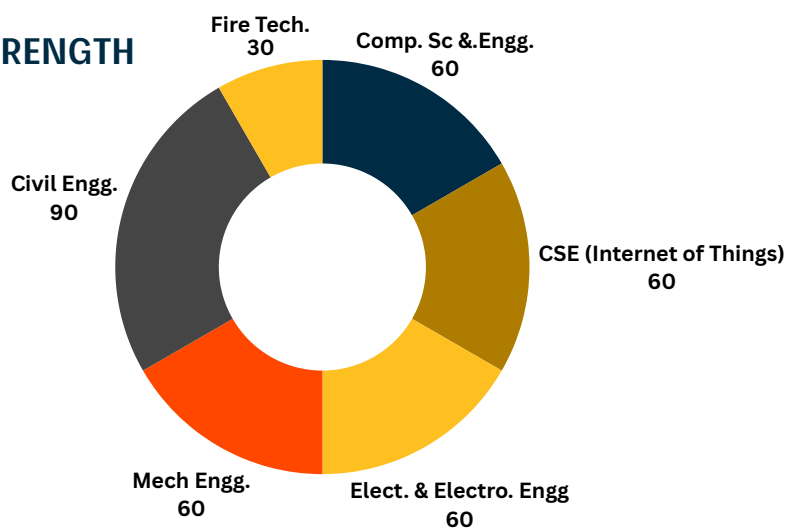


UNDER GRADUATE

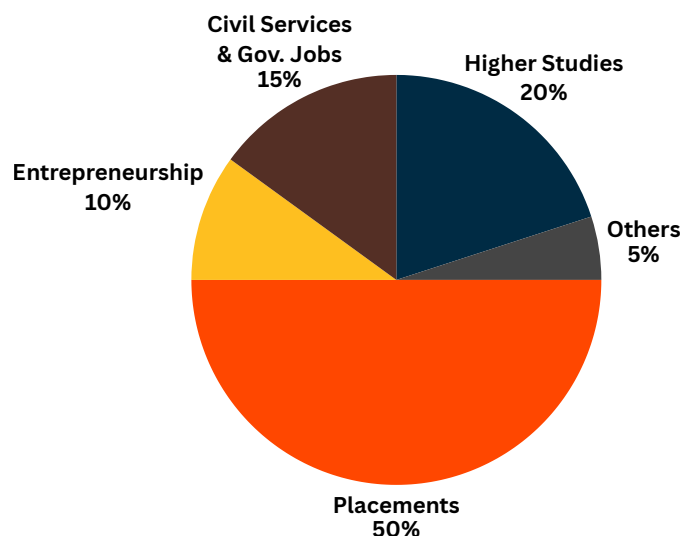
- B.Tech (Computer Science Engineering)
- B.Tech (Computer Science Engineering (IOT))
- B.Tech (Electrical & Electronics Engineering)
- B.Tech (Mechanical Engineering)
- B.Tech (Civil Engineering)
- B.Tech (Fire Technology & Safety Engineering)



SEAT STRENGTH



CAREER CHOICES



COMPUTER SCIENCE ENGINEERING

Shaping the Future of Technology

Our Computer Science Engineering program is meticulously designed to equip students with a profound understanding of computer science concepts and advanced technologies. It focuses on producing skilled professionals capable of driving innovation and addressing complex challenges in the digital era.

Core Areas of Expertise:

- Programming, Data Structures & Algorithms
- Artificial Intelligence & Machine Learning
- Software Engineering & Database Management Systems
- Computer Networks, Cybersecurity, and IoT Applications

Career Opportunities:

Our graduates are highly sought after in various industries, taking up roles such as:

- Software Engineer – Building scalable and efficient software solutions.
- Data Scientist – Analyzing data to derive meaningful insights.
- Web Developer – Crafting responsive and interactive websites.
- AI/ML Engineer – Developing intelligent systems to automate processes.
- Cybersecurity Analyst – Securing digital infrastructure against threats.
- Cloud Engineer – Designing and managing cloud-based solutions.

COMPUTER SCIENCE ENGINEERING

(INTERNET OF THINGS)

Shaping the Future of Connected Devices

This specialized program combines core computer science with advanced IoT concepts to prepare students for the rapidly growing field of connected devices. It equips them with the ability to design and implement innovative IoT solutions.

Core Areas of Expertise:

- IoT Protocols, IoT Security, and Embedded Systems
- Big Data Analytics, Cloud Computing for IoT, and Wireless Sensor Networks
- Artificial Intelligence and Machine Learning for IoT

Career Opportunities:

Graduates can pursue significant careers, including:

- IoT Developer – Designing smart devices and IoT ecosystems.
- Embedded Systems Engineer – Innovating in hardware and firmware development.
- Cloud & Data Engineer – Managing cloud-integrated IoT solutions.

ELECTRICAL & ELECTRONICS ENGINEERING

Powering the Future

Our Electrical Engineering program blends strong theoretical foundations with hands-on experience, enabling students to innovate and solve modern electrical engineering challenges effectively.

Core Areas of Expertise:

- Power Systems, Power Electronics and Control Systems
- Analog and Digital Electronics, Signal Processing
- VLSI Design, Embedded Systems, and Communication Technologies

Career Opportunities:

Graduates are well-prepared for roles in:

- Electrical Engineer – Designing and maintaining electrical systems.
- Power System Analyst – Optimizing energy grids for efficiency.
- Embedded Systems Developer – Innovating in hardware-software integration.
- Energy Consultant – Developing sustainable energy solutions.

CIVIL ENGINEERING

Building a Sustainable Future

Our Civil Engineering program provides students with a solid foundation in designing, constructing, and maintaining sustainable infrastructure. It addresses modern challenges in urban development, environmental sustainability, and public infrastructure.

Core Areas of Expertise:

- Structural Engineering, Environmental Engineering, and Geotechnical Engineering
- Transportation Engineering, Hydraulics and Water Resources Engineering (HWRE), and Construction Management
- Advanced Technologies in Surveying and Remote Sensing

Career Opportunities:

Graduates have the skills to excel in diverse roles, including:

- Civil Consultant – Offering expert advice for infrastructure projects.
- Construction Manager – Leading large-scale construction projects.
- Environmental Engineer – Creating eco-friendly solutions for infrastructure.
- Infrastructure Planner – Designing sustainable urban and rural developments.

MECHANICAL ENGINEERING

Powering Innovation

Our Mechanical Engineering program integrates fundamental engineering principles with advanced technologies to prepare students for dynamic challenges in industries. It fosters innovation, creativity, and problem-solving skills.

Core Areas of Expertise:

- Thermodynamics, Fluid Mechanics, and Thermal Engineering
- Manufacturing Processes and Advanced Machine Design
- CAD/CAM, Finite Element Analysis, and Automation

Career Opportunities:

Graduates can pursue exciting careers, such as:

- Design Engineer – Crafting innovative mechanical designs.
- Product Developer – Innovating and enhancing industrial products.
- Thermal Analyst – Optimizing energy systems for maximum efficiency.
- Automation Specialist – Integrating robotics and automation in production.

FIRE TECHNOLOGY & SAFETY ENGINEERING

Protecting Lives and Property

Our Fire Technology program is designed to empower students with comprehensive knowledge in fire safety, prevention, and investigation. It combines engineering principles with practical applications to minimize risks and safeguard communities.

Core Areas of Expertise:

- Fire Dynamics, Fire Prevention Systems, and Safety Management
- Risk Analysis, Disaster Management, and Investigation Techniques

Career Opportunities:

Graduates can excel in roles such as:

- Fire Safety Engineer – Designing systems to mitigate fire risks.
- Risk Analyst – Evaluating potential hazards and their impact.
- Disaster Management Specialist – Coordinating responses to emergencies.

WHY RECRUIT AT BCE PATNA?

AN INSTITUTE WITH A STRONG FOUNDATION IN ENGINEERING EDUCATION

Bakhtiyarpur College of Engineering (BCE), established by the Government of Bihar, has quickly gained a reputation for its commitment to academic excellence and its role in developing industry-ready engineers. BCE's emphasis on quality education and skill development prepares students to contribute effectively to national progress.



SELECTIVE STUDENT COMMUNITY

Our students are among the top ranks, chosen through competitive state and national exams, ensuring a dedicated and high-caliber group.

INDUSTRIAL TRAINING & INTERNSHIP OPPORTUNITIES

With mandatory internships and industrial training programs, students gain practical experience and hands-on skills before graduating.

CERTIFICATION PROGRAMS

Students have access to industry-recognized certifications like NPTEL, enhancing their technical expertise and employability.

PROJECT-BASED LEARNING

Course-integrated projects foster critical skills in teamwork, problem-solving, and technical innovation, preparing students for real-world challenges.

DIVERSE, INCLUSIVE CAMPUS

Our campus promotes diversity, supporting students from various backgrounds and creating a collaborative, multicultural learning environment.

GROWING ALUMNI NETWORK

Our expanding alumni network provides mentorship, guidance, and networking opportunities, helping students connect with industry leaders.

CAREER DEVELOPMENT CLUB (CDC)

CDC organizes seminars, workshops, and career-building events, offering skill development, placement preparation, and industry insights to support students' professional growth.

RECRUIT FROM BCE

BCE Patna's graduates are technically skilled, adaptable, and industry-ready, making them valuable assets for any organization.

FACILITIES

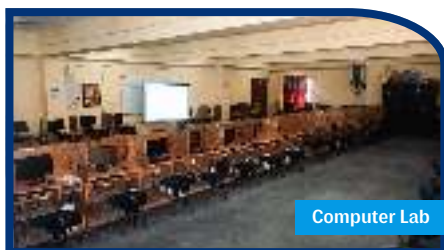


Bakhtiyarpur College of Engineering (BCE) offers excellent facilities to ensure a smooth recruitment experience. The Placement Office is dedicated to providing support to recruiters, ensuring all needs are met throughout the process.

Key Features:

- **Infrastructure:** BCE has modern classrooms, well-equipped labs, and a well-stocked library with the latest resources, providing an optimal environment for learning and technical assessments.
- **Placement Activities:** BCE offers both online and offline placement options to suit recruiter preferences. Regular campus drives connect students with top companies, ensuring an efficient recruitment process.
- **Wi-Fi Connectivity:** High-speed Wi-Fi is available campus-wide, ensuring seamless access to resources, video interviews, and digital assessments, enhancing the placement experience.
- **Cab Facilities:** BCE provides professional cab services from Patna Junction and Patna Airport to the campus, ensuring a comfortable, punctual commute for recruiters.
- **HR Accommodation:** The college arranges comfortable accommodation at premium hotels in Patna for recruiters, ensuring a pleasant and stress-free stay during their visit.
- **T&P Cell Support:** The experienced placement team at BCE assists recruiters, coordinating interviews and logistics, ensuring all aspects of the process run smoothly.

Exploring the Labs at BCE



Computer Lab

Equips students with practical experience in software development, programming, and problem-solving using the latest computer technology.



Power System Lab

Focuses on power generation, distribution, and transmission, offering practical experience in designing and managing electrical power systems.



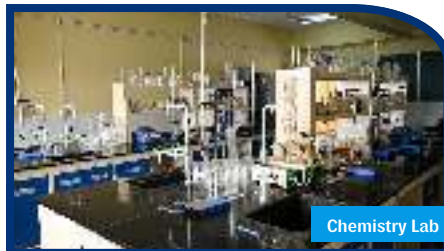
Electrical Lab

A cutting-edge laboratory for electrical engineering, providing hands-on experience with circuits, testing, and troubleshooting in modern electrical systems.



Electrical Machine Lab

Provides hands-on experience with electrical machines, enabling students to learn operations, fault analysis, and machine performance testing.



Chemistry Lab

Encourages students to explore chemistry principles, providing practical experiments that enhance understanding and application in engineering fields.



Material Testing And Estimation Lab

Offers practical experience in material testing, estimation, and understanding material properties for real-world engineering applications.



Machine Shop

Focuses on manufacturing processes and precision machinery, empowering students with practical skills for machine design, fabrication, and automation.



Workshop

A practical hub for students to engage in manufacturing processes, precision machining, and problem-solving activities, fostering hands-on engineering skills.



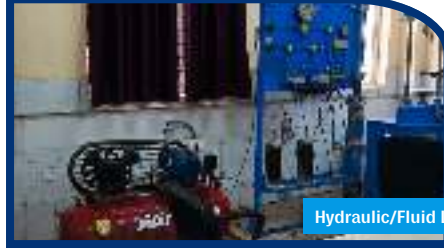
Physics Lab

Provides hands-on experiments for students to explore the principles of physics, strengthening their understanding of scientific concepts in engineering.



Electronics Lab

Focuses on electronics and circuit design, allowing students to develop skills in building and testing electronic systems.



Hydraulic/Fluid Lab

Provides practical knowledge in fluid mechanics and hydraulics, helping students understand fluid systems and their engineering applications.



Microprocessor Lab

Provides practical experience with microprocessor systems, enabling students to design and develop microprocessor-based applications in engineering.



Library

A resourceful hub for students with access to a vast collection of books and research materials, supporting academic growth.



Hydrology Lab

Engages students in hydrological processes, teaching water system management and application in engineering designs.



Language Lab

Enhances students' communication skills, focusing on improving language proficiency for professional and technical environments.

Achievements

- **Prof. (Dr.) Anil Singh Yadav**, Associate Professor in the Mechanical Engineering Department, has been recognized in the prestigious Stanford University list, being named among the top 2% of scientists globally. DSTTE proudly celebrates this remarkable achievement!
- **GATE** , Over the past four years, our students have consistently excelled in the Graduate Aptitude Test in Engineering (GATE), achieving outstanding results and securing positions among the top ranks. Many have ranked within the top 1000, demonstrating their academic brilliance, technical expertise, and dedication to excellence in competitive examinations.



Rohit kr. Keshri
ME, AIR 240 - GATE 23



Tarun Kumar
CSE, AIR 255 - GATE 22



Rohit Kumar
CSE, AIR 271 - GATE 23



Shambhavi Shanker
CSE, AIR 291 - GATE 21



Alok Ranjan
CSE, AIR 494 - GATE 24



Sonu Kumar
CSE, AIR 577 - GATE 24



Vishal Gaurav
CSE, AIR 744 - GATE 23



& Many More

- **Civil Services and PSUs**, Our students have excelled in civil services and public sector undertakings (PSUs), achieving remarkable success in competitive exams like the Bihar Public Service Commission (BPSC) and other prestigious state and national-level examinations. They have secured distinguished ranks and key positions in civil administration, public enterprises, and various government sectors. These achievements reflect their dedication, rigorous preparation, and academic excellence, underscoring the robust support and nurturing environment provided by our institution. This tradition of success continues to inspire future generations to aim for excellence in public service and beyond.

- **University-Level Achievement:**

Bakhtiyarpur College of Engineering is proud to celebrate the stellar achievement of **Rahul Kumar (B.Tech, Civil Engineering)**. By securing the **2nd Rank (Silver Medal)** at the Bihar Engineering University (BEU) level, Rahul has demonstrated exceptional technical proficiency and dedication.

His success is a testament to the rigorous academic environment at BCE and the caliber of talent we nurture. We are confident that the discipline and analytical mindset he applied to reach the top of his university will make him an invaluable asset to any premier engineering organization.



RAHUL KUMAR
CIVIL ENGG.
[2025 Passout]

The Pursuit of Excellence

- **WorldSkills-Asia**

The WorldSkills Asia competition, held every two years in a member country, aims to inspire youth across Asia to pursue careers in technical and vocational fields.

Represented **INDIA** in the IT SSB category at the prestigious event, organized by the Centre for Technical and Vocational Education and Training (**ACTVET**), Abu Dhabi, UAE, from November 26-29, 2018.



ANIKET Kr. PATHAK
16 batch, CSE

- **IndiaSkills**

IndiaSkills, the nation's largest skill competition, is organized by the National Skill Development Corporation (**NSDC**) under the Ministry of Skill Development and Entrepreneurship. This biennial event highlights exceptional talent across diverse technical and vocational fields, with the support of State Governments and Industry. Gold medalists at IndiaSkills earn the honor of representing **INDIA** at the prestigious WorldSkills-Asia.

- ◆ **Autonomous Mobile Robotics** (Sushant Prasad, 21EEE32)
Represented **Bihar** at IndiaSkills 2024, showcasing advanced robotics expertise at IICC Yashobhoomi, New Delhi, from May 15-19, 2024.



- ◆ **Bricklaying** (Ashish Ranjan, 17C11)
Represented Bihar in Bricklaying at IndiaSkills 2018, held at Aerocity Grounds, New Delhi, from October 2-6, 2018.



- ◆ **IT SSB** (Aniket Kr. Pathak, 2016 Batch, CSE)
Represented **Bihar** in IT SSB and won silver medal at IndiaSkills 2018, held at Aerocity Grounds, New Delhi, from Oct 2- 6, 2018.



- **Think India Model G20 Summit 2023 Ideathon**

The Grand Finale of the Think India Model G20 Summit 2023 Ideathon was held on March 24th at NIT Patna, where "**Team Falcon**" from BCE won. This achievement showcases their innovative ideas, highlighting the pursuit of excellence fostered at BCE and inspiring all students.



- **Historic Achievement in UAV Development**

Our alumnus, currently a **UAV Developer** at Botlab Dynamics, achieved a remarkable milestone with his team by breaking five world records in a single drone light show featuring 5500 drones at the **Amaravati Drone Summit** on October 22, 2024. This historic accomplishment highlights the exceptional skills and innovation fostered at our institution.

(Aman Kumar, EEE, 2018 Batch)



The Pursuit of Excellence

• Smart India Hackathon (SIH)

BCE students have consistently demonstrated their commitment to innovation and development. Their achievements in the **Smart India Hackathon**—where they have been consecutive finalists and national winners—are a testament to their hard work and dedication. In **2024, 2023, and 2022**, BCE students emerged as champions.



Team Insights :
WINNER @ SIH 2024



Team Vizion :
WINNER @ SIH 2023



BCE/Team Vision :
WINNER @ SIH 2022



Team TECH_MATE :
FINALIST @ SIH 2024



Team Ace Squad :
FINALIST @ SIH 2023



Team Hack Barrier :
FINALIST @ SIH 2019



Team Spider :
FINALIST @ SIH 2019

• UNESCO-India-Africa (UIA) Hackathon 2022

Our students have showcased exceptional talent in global hackathons, with two reaching the finals of the prestigious **UNESCO-India-Africa (UIA) Hackathon 2022**. One of them emerged as the winner, receiving a cash prize of 3 Lakh INR, a testament to their innovative thinking and problem-solving skills on an international stage.



Ujjwal Raj Rajnish Puri
2020-24, CSE

• Google Summer of Code



Manish Kr



Aman Raj

Two of our talented students from 2020-24 CSE batch, have been selected for **Google Summer of Code (GSoC)**, a prestigious program that encourages college students to contribute to open-source projects during the summer. This program offers a **\$3000** stipend for completing a monitored project. Their selection is a proud achievement and highlights their skills in the open-source community.

• Singapore India Hackathon

A student from the 2020-24 CSE batch, proudly represented India as one of the top 24 finalists in the prestigious **Singapore-India Hackathon 2023**, showcasing exceptional technical skills, creativity, and collaborative spirit on a global stage.



Ujjwal Raj

• Technovate For India Conclave



Under the mentorship of prof. Vikash kumar, led by Anish Kumar, with team members Vibhor singh tomar and Ameet Pal, your efforts and Innovation in addressing the Skilling Development of Workspace have earned the Winner's title and cash prize of ₹50,000.

ACHIEVEMENTS by CLUBS

ROBOTICS CLUB - DROID CHAMPS

Techniche'23, IIT Guwahati



Team NanoNavigators
Micromouse : 3rd Prize



Team Flight Furry
Escalade : 2nd Prize

Celesta'23, IIT Patna



Team Little Titan
AquaRace : 2nd Prize

Cognizance'24, IIT Roorkee



Team Name: Little Titan
NanoNavigators (1st Prize)
ZenGrip (2nd Prize)

Celesta'24, IIT Patna



Team Solver
Micromouse : 3rd Prize

Techniche'24, IIT Guwahati



Team Name: Little Titan
MicroFish (1st Prize)
Escalade (2nd Prize)

Techniche'25, IIT Guwahati



Team AXON
Micromouse : 1st Prize



Team Little Titan
Escalade : 2nd Prize
Micromouse : 3rd Prize

Consistent Representation in Tech Events.

SPORTS CLUB - HUNKAAR

KAIZEN'24, AIIMS PATNA



100m Sprint - Winner
200m Sprint - Winner



4x100 Relay - 2nd Prize



TT Singles(girl) - 2nd Prize



4x100 Relay - 3rd Prize

INFINITO'24, IIT PATNA



Kabaddi - Winner



100m Sprint - 3rd Prize
400m Sprint - 2nd Prize
800m Sprint - 3rd Prize



100m Sprint - 1st Prize
200m Sprint - 3rd Prize
400m Sprint - 3rd Prize

KAIZEN'25, AIIMS PATNA



Volleyball - Winner

INFINITO'25, IIT PATNA



Kabaddi - Winner

AARAMBH : SUB-DIVISIONAL-BEU-SPORTS MEET



And Many More Representations

DRAMATICS CLUB - NATYAKSH

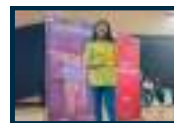
CELESTA'24, IIT PATNA



Stage act - 1st Prize



Nukkad Natak - 2nd Prize



Stand Up - Runner Up

And Many More Representations

Bakhtiyarpur College of Engineering (BCE), Patna fosters a culture of critical thinking and innovation, empowering students to solve complex problems through the application of science and technology. With a focus on societal impact, our faculty and students consistently engage in groundbreaking research and development initiatives.

Conference Excellence

Four of our talented students proudly presented their groundbreaking research on **solar energy** at the prestigious ICMSE:IR 2024 International Conference held in Nashik, Maharashtra, showcasing their dedication to innovation and academic excellence.

(Gulshan K., Rajeev G., Shivam K., and Arbaz N. (2022 batch))

Research & Journals

- "Performance Comparison of Genetic Algorithm and Particle Swarm Optimization for Solving Economic Load Dispatch Problems"
Published in: Industrial Engineering Journal, Vol. 53(8), pp. 18-24
- "Effect of Population Size on the Performance of Genetic Algorithm for Solving Economic Load Dispatch Problems"
Published in: Industrial Engineering Journal, Vol. 53(6), pp. 108-116
- "Location and Orientation Based Performance Analysis of 4.98 kWp Solar Photovoltaic System for Isolated Indian Islands"
Published in: Sustainable Energy Technologies and Assessments, Vol. 52, Article 102138
- "Technoeconomic Comparative Analysis of Hybrid Renewable Energy Systems with and without Battery Energy Storage System"
Published in: International Journal of Green Energy, Vol. 21(1), pp. 116-142
- "TS-Fuzzy Logic Based Power Quality Improvement of DG-BESS Based Standalone System"
Published in: Journal of Electrical Engineering and Technology, Vol. 17, pp. 3241-3262
- "High-Silicon Spring Steel Transformation to Carbide-Free Bainitic Steel: A Mechanical and Tribological Approach under Rolling/Sliding Conditions"
Published in: Journal of Dispersion Science and Technology, 2024, pp. 1-16
- "Wastewater Treatment by Algae-Based Membrane Bioreactors: A Review"
Published in: RSC Advances, Vol. 14(47), pp. 34769-34790
- Applying Partition Method to Adopt Spark-Based Eclat Algorithm for Large Transactional Datasets
Raj | Shashi | Dharavath Ramesh
Springer – International Conference on Communication and Computational Technologies, Singapore, 2023

Patents

- IoT-Based Portable Solar-Powered Biogas Plant
Design Patent: (Design No. 398426-001, registered on 25th October 2023)
- Ventilation System Advancements
Design Patent: (Design No. 406218-001, registered on 31st January 2024)
- Solar Absorber Plate Development for Solar Collectors
Design Patent: (Design No. 406241-001, registered on 1st February 2024)



Notable Alumni

Google



Shambhavi Shanker
Software Engineer

Microsoft



Radha Gupta
SDE at Microsoft

Adobe



Ankitesh Mishra
Adobe Certified Expert-Marketo
Engage Business Practitioner

SAMSUNG



Mamta Kumari
SDE At Samsung



Mayank Kumar
Project Engineer Officer at IOCL

CREDIT SUISSE



Ravisha Sharma
Technical Analyst



Rohit Kumar
Executive Engineer at PGCIL

UNITED AIRLINES



ANKIT KUMAR
DevOps Engineer



Aniket Kr Pathak
Technical Assistance

HCLTech



Simran
Cyber Security Engineer

CISCO



Nilesh Pranami
GenAI Developer

MARUTI SUZUKI



Vishakha Kumari
Assistant Manager



Rohit Kumar Keshari
Engineer Officer at IOCL



Anshu Prakash
Officer Engineering at HPCL

SBI



Siddhnat Singh
Assistant Manager (IT) at SBI



Priyansu Kumar
Officer Engineering at HPCL



& Many More

Industry Partnerships

Spoken Tutorial, IIT Bombay, Spoken Tutorial is an educational content portal where one can learn various Free and Open Source Software like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, LibreOffice, etc. via an easy Video tool. These certificates give an edge to students during placement by increasing their employability potential.



Edu Skills CISCO, Cisco Networking Academy transforms the lives of learners, educators, and communities through the power of technology, education, and career opportunities. With the availability of this platform, students complete hands-on learning activities and network simulations to develop practical skills that will help them fill a growing need for networking professionals around the world.

E&ICT, IIT Kanpur, The Electronics and Information, Communication Technology (E&ICT) provides industry-focused and industry-driven, hands-on courses for students. It strives to narrow the gap between the academic approach and the practically oriented approach as demanded by the industry.



Internshala, Another milestone reached by the Bakhtiyarpur College of Engineering, Patna; Just in five years of establishment, we have been ranked 240 out of 1530+ colleges across the country, While ranked 35 out of 192 Colleges in East Zone and 1st among 52 Government and Private Engineering Colleges in Bihar. The ranking was released by Internshala on Internship Day 2021.

NPTEL, 1000+ certifications were obtained by students and faculties of BCE. The certification was done by IITs/IISc for those who completed the courses successfully. BCE is also identified as a local chapter in NPTEL. Students gets benefited by local chapter to avail the final exam fee waiver



Webinar @ BCE Bakhtiyarpur, 50+ webinars were conducted for students and faculties of BCE. The webinars were not only attended by the BCE family but they reached many geographical locations worldwide. Also, the webinars were appreciated by students, faculties and other participants for top quality knowledge sharing.

Cybersecurity Awareness Session, Session, conducted by Cyber Secured India, focuses on cybersecurity and digital forensics. Participants will gain valuable insights into securing digital assets and combating cyber threats, enhancing their ability to protect sensitive information across various sectors.



Cyber Secured India

Industry Partnerships

Bihar Skill Development Mission (BSDM) has been established by The Government of Bihar to empower the youth by providing them with requisite skills to fuel the growth of the State of Bihar. The primary roles of BSDM are to establish a wide network of training centres for the youth.



Kushal Yuva Program (KYP), Kushal Yuva Programme is a part of one of the "7 commitments" namely "Aarthik Hal, Yuvaon ko Bal". This has been launched as a flagship programme of Bihar Skill Development Mission. Through this programme, BSDM intends to enhance the employability of the youth of Bihar. Improve employability and complement domain-specific training programs in Bihar. Enhance employability skills of aspirants aged 15-28 years.

e-Yantra, e-Yantra is a robotics outreach program funded by the Ministry of Education and hosted at IIT Bombay. The goal is to harness the talent of young engineers to solve problems using technology across a variety of domains such as: agriculture, manufacturing, defence, home, smart-city maintenance and service industries. Our college is an eLSI college, our robotics club is named Droid Champs.



Google Developer Groups (GDG), are community groups for college and university students interested in Google developer technologies. Students from all undergraduate or graduate programs with an interest in growing as a developer are welcome. By joining a GDG, students grow their knowledge in a peer-to-peer learning environment and build solutions for local businesses and their communities.

Smart India Hackathon (SIH), Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. SIH has proved to be extremely successful in promoting innovation out-of-the-box thinking in young minds, especially engineering students from across India. Many students from our college have represented and won in hardware and software edition in SIH.



Viksit Bharat 2047, "Viksit Bharat 2047" initiative, the "Yuva Connect" program empowers youth leadership for India's transformation. Through 50 programs across educational institutions, it fosters youth engagement in realizing India's vision of becoming a developed nation by 2047.

Memorandum of Understanding, Training Placement Cell, BCE Bakhtiyarpur signed an MoU with Textbook under Testbook Skilled Campus Program. Skilled Campus Program has helped students with 360° Job Preparation and boosted their profile with internships and job opportunities across Tech, Product, Marketing, Business Operations, Content, Design, Video Editing, HR, and much more.



Social Impact Programs

Beti Bachao, Beti Padhao Initiative, Our college actively supports the government's Beti Bachao, Beti Padhao initiative to promote gender equality and women empowerment. Through awareness programs, workshops, and community outreach, we contribute to mindset change and holistic development, fostering societal progress.



Blood Donation Drive: A Lifesaving Initiative, The Blood Donation Drive, organized by NSS BCE Patna in collaboration with BEU Patna and IGIMS Patna, was a resounding success. Under the inspiring leadership of Prof. S.K. Verma, the initiative highlighted the community's compassion, unity, and commitment to saving lives.

Unnat Bharat Abhiyan, BCE has adopted five nearby villages—Champapur, Bariarpur, Dedaur, Simri, and Ghoswari—to improve the quality of life and promote sustainable development. Initiatives include village surveys, Nukkad Nataks, stationery distribution, motivating students for higher education, and providing clothes to slum areas.



पहल

PAHAL, The PAHAL Outreach Program offers free coaching to students from nearby schools and colleges, preparing them for competitive exams like JEE and NEET. Taught by experienced faculty from prestigious institutions like IITs and NITs, it provides high-quality education and mentorship, empowering students for academic and career success.

National Service Scheme (NSS), The National Service Scheme (NSS) at BCE engages students in community service activities, fostering social responsibility and civic engagement. Initiatives include blood donation drives, environmental awareness programs, health camps, and educational support for underprivileged children. These efforts empower students to contribute positively to society while developing essential leadership and empathy skills.



World Environment Day, World Environment Day at BCE is celebrated annually on June 5th, with this year's events organized by Abhivyakti and Hands of Hope. Focused on a Plantation Drive, the celebration featured Nukkad Natak, Poster Making, Videography, Speech, and Poetry Competitions, creating a vibrant, eco-friendly atmosphere while promoting environmental awareness.

Echoes of social work

PAHAL INITIATIVE



UNNAT BHARAT ABHIYAN



TREE PLANTATION DRIVE



NATIONAL SERVICE SCHEME



BLOOD DONATION CAMP



CLEANLINESS DRIVE



INTERNATIONAL WOMEN'S DAY



INDUCTION MEET EVENT



RAJYOGA MEDITATION



SEXUAL HARASSMENT AWARENESS



Technical Events

National Youth Day - Science Mela, Science Mela celebrates National Youth Day by fostering innovation and creativity among young minds. Organized as a technical event by DSTTE, this platform enables students to showcase their technical and scientific projects, encouraging hands-on learning, collaborative exploration, and the development of impactful solutions in science and technology.



INDUSTRY- INSTITUTE MEET (IIM 2025)

Held on 27th March 2025 at Bakhtiyarpur College of Engineering, the **Industry-Institute Meet** connected students with industry experts to discuss skill demands, internships, and placement opportunities. The event strengthened industry collaboration and enhanced student employability. It also facilitated networking, industry interaction, and dialogue on curriculum alignment with current industrial requirements. The meet reinforced BCE's commitment to industry-ready education and sustainable placement growth.

Yantriksha, Yantriksha is the official annual internal robotics event at BCE held on the eve of Engineer's Day (September 15th). It showcases the advanced combat and technical skills our students possess in the field of robotics. From intense hackathons to exciting robo races, students actively participate in competitive events that highlight innovation, engineering, and problem-solving. The event concludes with the recognition and celebration of winners, who are honored with prestigious awards for their outstanding achievements.



Tech Highlights



Workshops

Dalmia Cement, Dalmia Cement Group collaborated with Bakhtiyarpur College of Engineering, Patna, Senior officials, including Mr. Deepak Kumar, guided an interactive session where final-year students conducted practical tests under faculty supervision. Contractors explored cement properties, fostering industry-academia synergy and enhancing practical knowledge for innovative construction solutions.



CDAC Drone Bootcamp, The CDAC Drone Bootcamp offers comprehensive training in drone technology, covering key aspects such as aerodynamics, hardware, applications, and regulatory frameworks. Participants gain hands-on flight experience, acquiring essential skills necessary for working with cutting-edge drone technology and applications.



Bureau of Indian Standards (BIS) Collaboration, The Bureau of Indian Standards (BIS) partnered with Bakhtiyarpur College of Engineering to enhance industry exposure for students. Through informative sessions, internships, and industrial visits, BIS aimed to increase awareness and provide practical insights, fostering a strong foundation for students in quality standards and industrial practices.



TECHNICAL CLUBS



Bytes.io

Programming Club

Bytes.io is the programming club of BCE, committed to helping students enhance their coding skills and fostering a collaborative culture. The club welcomes students from all domains and strives to ignite a passion for programming while driving innovation. Its vision is to contribute to a developed society through improved technology, better lifestyles, and enhanced problem-solving.



Droid Champs

Robotics Club

Droid Champs is the robotics club of BCE, committed to helping students develop practical machine-building skills and fostering a technical environment. The club welcomes students interested in mechanical, electronic, and software design, providing opportunities to work on robotics projects. Its vision is to inspire innovation through structured learning, collaboration, and support from e-Yantra resources.



GDSC

Google Developer Student Clubs

GDSC is a student organization at BCE, dedicated to helping students learn, build, and solve problems in the tech world. The organization welcomes students from all backgrounds and strives to foster teamwork while driving innovation through various tech events. Its vision is to empower students with skills in App Development, Machine Learning, and more, preparing them for success in the tech industry.



Fluxmation

Designing & Branding Club

Fluxmation is the official creative hub of BCE, dedicated to creating and adapting content for various events and publications while adhering to institutional guidelines. The club welcomes students from diverse creative fields and works collaboratively to deliver impactful presentations. Its vision is to ensure that every college activity is represented in the best possible way through innovative design, photography, videography, and other visual media.



NON-TECHNICAL CLUBS

Flash Click



Photography Club

Flash Click is the photography club of BCE, dedicated to helping students enhance their photography skills and capture moments that tell powerful stories. The club welcomes students from all disciplines and provides a platform to explore photography through workshops and hands-on sessions. Its vision is to inspire creativity, preserve memories, and contribute to the college's cultural documentation and visual storytelling.



Hands of Hope

Social Club

Hands of Hope is social club at BCE, dedicated to helping students develop social skills and raise awareness in local communities. The club welcomes students from all backgrounds and strives to enhance leadership, communication, problem-solving, and public speaking abilities. Its vision is to promote holistic development and diversity, empowering students to make a positive impact both within and outside the college.



Abhivyakti

Art & Culture Society

Abhivyakti is the art and cultural society of BCE, dedicated to promoting creativity and artistic expression among students. The society welcomes students from all disciplines and provides platforms for showcasing talents in dance, music, oratory, and theater. Its vision is to enrich the campus culture through its associated clubs—Pankh, Nrityang, Natyaksha, and Antaraaga—while fostering a creative and inclusive environment for all.



Hunkaar

Sports Club

Hunkaar is the sports club at BCE, where sportsmanship and physical well-being take center stage. Here, everyone has the opportunity to engage in a wide range of sports activities, with teamwork, diversity, time management, and discipline as core principles. From participating in tournaments like Kaushal Manthan to representing BCE in inter-college events, Hunkaar offers a platform to develop not just as an athlete but as a true sportsman, ensuring that sportsmanship thrives in every BCEian.



NON-TECHNICAL CLUBS



Natyaksh

Dramatics Club

Natyaksh is the drama club of BCE, dedicated to helping students explore the world of theater and performance. The club welcomes students from all disciplines and provides opportunities to develop skills in acting, direction, and stagecraft. Its vision is to foster creativity and expression through dramatic arts, enriching the college's cultural landscape and encouraging students to showcase their talents in captivating performances.



Antaraaga

Music Club

Antaraaga is the music club of BCE, dedicated to helping students discover and enhance their musical talents. The club welcomes students from all domains and provides opportunities to explore various genres of music, from vocal to instrumental performances. Its vision is to create a vibrant musical culture at BCE, encouraging students to express themselves through music and contribute to the college's artistic heritage.



Pankh

Literature Club

Pankh is the eloquent literature club of BCE, dedicated to helping students express their emotions and creativity through various literary forms. The club welcomes young writers, poets, and literary enthusiasts, providing them a platform for poetry, articles, book reviews, and more. Its vision is to cultivate a love for literature, while also honing students' oratory skills and empowering them to become versatile voices in the literary world.



Nrityang

Dance Club

Nrityang is the dance club of BCE, dedicated to helping students explore and showcase their passion for dance. The club welcomes dancers from all backgrounds and provides opportunities to experiment with diverse dance styles, from contemporary to traditional. Its vision is to promote the joy of dance, foster creativity, and build a strong sense of unity and camaraderie among its members.





Annual Events at BCE

Bihar Divas

An event commemorating Bihar's legacy through cultural performances, exhibitions, and activities. It educates students about the state's rich heritage, fostering pride, respect, and awareness of Bihar's historical contributions to Indian culture and society.

Inception

A vibrant induction event welcoming freshmen into the BCE family. Organized by seniors, it fosters interaction, showcases talent, and provides a glimpse of the exciting engineering journey ahead, setting a positive tone for college life.

AU REVOIR

A farewell event where juniors bid adieu to seniors, celebrating their engineering journey with reflections, heartfelt moments, and festivities. It marks the culmination of campus life, creating lasting memories and honoring achievements.

República

A Republic Day celebration blending cultural pride and student performances. With parades, speeches, and tributes to India's democratic journey, the event fosters unity, respect, and a deeper understanding of the nation's heritage and achievements.

अभिव्यक्ति

An annual cultural fest celebrating creativity and talent through dance, music, painting, literature, and debates. It provides a vibrant platform for students to showcase their artistic expressions, fostering excitement, collaboration, and cultural enrichment on campus.

काइहा मन्थन

The annual sports event energizes the campus with diverse competitions like cricket, volleyball, and badminton. It promotes teamwork, fitness, and sportsmanship while offering students a chance to unwind and engage in healthy competition.

ALUMNI PRESENCE



Training & Placement Cell

BAKHTIYARPUR COLLEGE OF ENGINEERING

The Training and Placement Office (TPO) at Bakhtiyarpur College of Engineering (BCE), Patna, is committed to preparing students for successful careers by bridging the gap between academic learning and professional opportunities. With a focus on holistic development, the TPO provides students with essential industry-ready skills through various training programs, recruitment drives, and internships.



Training and Placement Cell

The Training and Placement Cell at BCE Patna is dedicated to bridging the gap between academic learning and industry demands. It offers training programs, organizes recruitment drives, and facilitates internships to ensure students are well-prepared for their careers. T&P Cell also provides aptitude training, soft skills development, and mock interview sessions to boost students confidence and employability.



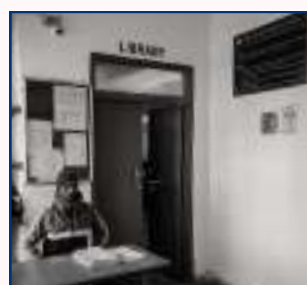
- Industry-focused training and workshops.
- Regular recruitment drives with top-tier companies.
- Internship opportunities for real-world exposure.
- Soft skills development, including communication and leadership.
- Mock interviews and aptitude test preparation.



BCE Patna Alumni Association

The Alumni Association at BCE Patna plays a vital role in connecting graduates with current students, fostering a network of professional growth and career development. Alumni provide valuable mentorship, career guidance, and share industry insights to help students navigate their career paths. The association also organizes events to strengthen relationships and encourage knowledge exchange.

- Alumni-student networking events for professional growth.
- Sharing of industry experiences and insights.
- Continuous support and career counseling for students.
- Strengthening the alumni-student bond through regular engagement.



PLACEMENT PROCEDURE



COMPANIES CAN CONFIRM THEIR PARTICIPATION & COMPLETE THE REGISTRATION VIA GOOGLE FORM OR EMAIL.

FORMAL INVITATION WITH RELEVANT INFORMATION IS SENT TO THE COMPANIES FROM T&P CELL BCE PATNA TO TAKE PART IN THE CAMPUS PLACEMENT



CONFIRMATION FROM COMPANIES THROUGH FILLING UP OF INTERNSHIP/JOB NOTIFICATION FORMS

T&P CELL CONDUCTS COMMON ASSESSMENT TEST FOR QUANTITATIVE APTITUDE, REASONING AND VERBAL ABILITY FOR ALL THE CANDIDATES AND VERIFY THEIR RESUME



PRE-PLACEMENT TALK IS CONDUCTED BY COMPANY FOR STUDENT IN CAMPUS

FINAL PLACEMENT SCHEDULE IS FINALISED BY THE TRAINING AND PLACEMENT TEAM



ACCESS OF INTERESTED STUDENTS RESUMES AND ASSESSMENT TEST SCORES IS GRANTED TO THE COMPANIES

ONLINE SHORTLISTING PROCEDURE OF THE COMPANY AS PER RESPECTIVE NORMS.



THE COMPANY IS REQUIRED TO COME DOWN TO THE CAMPUS WHERE IT WOULD INTERVIEW THE SHORTLISTED CANDIDATE AND FINALLY SUBMIT THE LIST OF SELECTED STUDENTS. FOR THE CORPORATION UNABLE TO VISIT, T&P CELL SUPPORT REMOTE RECRUITMENT PROCESSES WITH VIDEO AND TELECONFERENCING INFRASTRUCTURE

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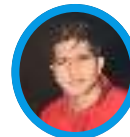


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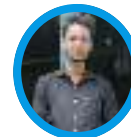


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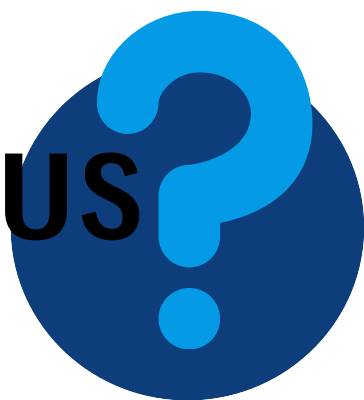
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Bakhtiyarpur
(55 KM)



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towards Bakhtiyarpur
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Campus, Bakhtiyarpur,
Patna-803212.



Patna Jn. to
Bakhtiyarpur Jn. (50KM),
Bakhtiyarpur Jn. to
College Campus
(03 KM)

SCAN



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