



BDSU

BABU DINESH SINGH UNIVERSITY

Established Under Govt. of Jharkhand Act-06, 2023 & Section 2 (f) of the UGC Act, 1956,
Member of AIU, Delhi (Run & Managed by Vananchal Educational & Welfare Trust)

Garhwa, Jharkhand

PROSPECTUS 2026-27

FACULTY OF ENGINEERING & TECHNOLOGY

Programme approved by AICTE, New Delhi



B.TECH



Civil Engineering (CE)



Electrical & Electronics Engineering (EEE)



Computer Science (CS)



Artificial Intelligence (AI)



Cyber Security (CS)



DIPLOMA IN ENGINEERING



Civil Engineering (CE)



Electrical Engineering (EE)



Electrical & Electronics Engineering (EEE)



Mechanical Engineering (ME)



Computer Science & Engineering (CSE)

BABU DINESH SINGH UNIVERSITY
Farathiya, Garhwa - 822114 (Jh.)
FACULTY OF ENGINEERING & TECHNOLOGY, IT & MANAGEMENT



Scan this QR to check the approvals by AICTE



BABU DINESH SINGH UNIVERSITY



Babu Dinesh Singh University came into existence on 17th February 2023 after the notification by the Government of Jharkhand in the Jharkhand Gazette Vide No. 94, Ranchi. The Act was passed by the Jharkhand Assembly and assented to by the Hon'ble Governor of Jharkhand on 14.02.2023 under the name of Babu Dinesh Singh University Act-2022 (Jharkhand Act No. 06, 2023). The university is also a member of AIU.



Babu Dinesh Singh University, Garhwa, is located on NH-75 with a lush green campus spread over more than 110 acres of land and equipped with excellent infrastructure. Various institutions under the Vananchal Educational Welfare Trust are contributing towards quality education, research and professional development.



The university focuses on professional, research-driven, skill-based and knowledge-oriented education. BDSU aims to create an academic environment that promotes innovation, creativity, leadership and practical learning through modern teaching methodologies and industry-oriented education.



VISION

Our vision is to provide quality education, innovation-driven learning and holistic development opportunities to students while contributing towards social upliftment and nation building through technical and professional education.

BDSU aims to create a dynamic academic environment that promotes creativity, leadership, ethical values and lifelong learning.



MISSION

Our mission is to provide industry-oriented and skill-based education while promoting innovation, research and entrepreneurship among students.

The university focuses on developing leadership qualities, ethics and professional excellence through practical learning, academic discipline and social responsibility to prepare competent professionals for global opportunities and future technological challenges.

MESSAGE FROM THE CHANCELLOR'S DESK

The Faculty of Engineering and Technology plays a vital role in shaping the innovators, problem-solvers, and leaders of tomorrow. At BDSU, we offer a dynamic learning environment that blends strong theoretical foundations with practical experience, cutting-edge technology, and real-world industry exposure.



Shri Dinesh Prasad Singh
Chancellor

OUR COMMITMENT

The Faculty of Engineering and Technology at BDSU is committed to delivering quality education, industry-oriented training, and hands-on learning experiences. Our programs are designed to keep pace with emerging technologies such as Artificial Intelligence, Robotics, Internet of Things, Renewable Energy, Data Science, Cyber Security, and more.

We encourage our students to think innovatively, work collaboratively, and uphold ethical values. With state-of-the-art infrastructure, experienced faculty, and strong industry linkages, we aim to nurture future-ready engineers and technologists who can contribute meaningfully to society and the global workforce.

I wish all our students great success in their academic journey and in building a bright and impactful future.



INDUSTRY-ORIENTED CURRICULUM

Curriculum aligned with emerging technologies and global industry standards.



PRACTICAL LEARNING & INNOVATION

Hands-on labs, projects, and innovation to build problem-solving and technical skills.



EXPERT FACULTY & MENTORSHIP

Learn from experienced faculty and research-driven academicians.



STRONG INDUSTRY CONNECT

Collaborations, internships and placements with leading companies.



CAREER READINESS & GROWTH

Preparing students for successful careers and lifelong learning.

— Shri Dinesh Prasad Singh
Chancellor

“Code. Innovate. Inspire.”



MESSAGE FROM THE MANAGING TRUSTEE'S DESK

Engineering is at the core of nation building and technological advancement. At BDSU, our Faculty of Engineering and Technology is committed to nurturing future-ready engineers and researchers who will create innovative solutions for real-world challenges and lead the world towards a smarter, sustainable, and technologically empowered future.



MR. PAWAN KUMAR
MANAGING TRUSTEE/
PRO CHANCELLOR

OUR COMMITMENT



Our Engineering and Technology programs are designed to provide strong theoretical foundations, practical exposure, and cutting-edge industry experience. We emphasize innovation, research, and the application of knowledge to solve real-world problems.



We focus on skill development, interdisciplinary learning, and holistic personality building. Our objective is to prepare students for diverse career opportunities in core engineering, emerging technologies, entrepreneurship, and research.



I encourage students to make the most of the resources available, think creatively, work collaboratively, and strive for excellence in all their endeavors.



Innovate Today, Lead Tomorrow.



**QUALITY
EDUCATION**
Building strong
academic
foundations.



**PRACTICAL
EXPOSURE**
Bridging theory
with real-world
experience.



**CAREER
FOCUSED**
Preparing for
future-ready
opportunities.



**INDUSTRY
COLLABORATION**
Connecting with
leaders and
innovators.



**HOLISTIC
DEVELOPMENT**
Nurturing skills,
values, and
leadership.



— **Mr. Pawan Kumar**
Managing Trustee/ Pro Chancellor



MESSAGE FROM THE VICE-CHANCELLOR'S DESK

Engineering drives innovation and builds the foundation of a better future. At BDSU, the Faculty of Engineering and Technology is committed to providing a dynamic learning environment that blends strong theoretical knowledge with practical exposure, fostering creativity, research, and industry readiness among our students.



PROF. (DR.) M. K. SINGH
VICE-CHANCELLOR
BDSU, GARHWA

OUR COMMITMENT



We provide a strong academic environment combined with modern infrastructure and advanced learning resources to nurture future-ready engineers and technologists.



Our curriculum is designed to develop technical competence, innovation, and problem-solving abilities through project-based learning, research, and industry collaboration.



We encourage our students to uphold values, embrace challenges, and contribute meaningfully to society through engineering knowledge and ethical practices.

“

“Learn. Innovate. Lead the Change.”

”



ACADEMIC EXCELLENCE

Upholding high standards of teaching, learning, and research.



INNOVATION & RESEARCH

Promoting curiosity, innovation, and research-driven solutions.



INDUSTRY PARTNERSHIPS

Building strong collaborations for industry-aligned education and opportunities.



CAREER EMPOWERMENT

Equipping students with skills and confidence to achieve their professional goals.



SOCIETAL IMPACT

Using technology and knowledge to create a positive impact on society.



Prof. (Dr.) M. K. Singh
Vice-Chancellor





MESSAGES FROM UNIVERSITY LEADERSHIP

MESSAGE FROM THE DEAN'S DESK

At BDSU, we are committed to nurturing innovative minds and building competent engineers who can address real-world challenges. Our goal is to create a dynamic learning environment that promotes technical excellence, research, and industry collaboration while upholding ethical values and societal responsibility. Together, we strive to empower our students to design a better tomorrow and contribute to nation building.



DR. PANKAJ KUMAR

DEAN

FACULTY OF ENGINEERING AND TECHNOLOGY

OUR COMMITMENT



We are committed to delivering quality education that blends strong theoretical foundations with practical learning, industry exposure, and research opportunities.



Our curriculum is continuously updated to keep pace with emerging technologies and industry needs, ensuring our students are future-ready.



We promote innovation, teamwork, and ethical values to develop competent professionals who can lead and contribute meaningfully to society and industry.



We encourage our students to think critically, work creatively, and embrace challenges to achieve excellence in all their endeavors.



“Learn. Innovate. Lead the Change.”



ACADEMIC EXCELLENCE

Upholding high standards of teaching, learning, and research.



INNOVATION & RESEARCH

Promoting creativity, innovation, and research-driven solutions.



INDUSTRY PARTNERSHIPS

Building strong collaborations for industry-aligned education and opportunities.



CAREER EMPOWERMENT

Equipping students with skills and confidence to achieve their professional goals.



SOCIETAL IMPACT

Using technology and knowledge to create a positive impact on society.



– Dr. Pankaj Kumar
Dean, Faculty of Engineering and Technology





STUDENT LIFE & COMMUNITY ENGAGEMENT



ACADEMIC EVENTS

Regular seminars, workshops, guest lectures, and Faculty Development Programs that enhance academic learning, innovation, and professional skills among students.



EDUCATIONAL VISITS

Industrial visits, educational tours, and field trips that connect classroom knowledge with real-world engineering practices and industry exposure.



AWARDS & ACHIEVEMENTS

Recognition of students and faculty for outstanding performance in academics, innovation, research, and extracurricular activities.



SOCIAL & COMMUNITY ACTIVITIES

Students actively participate in social initiatives such as blood donation camps, environmental awareness drives, and community service programs.



At BDSU, education goes beyond classrooms. Our vibrant campus life encourages students to develop leadership, teamwork, communication, and social responsibility while gaining practical exposure for their future careers.



CAMPUS AMENITIES & STUDENT SUPPORT



Green and Eco-Friendly Campus Environment



Well Equipped Laboratories and Library Facilities



Sports & Games Facilities for Physical Development



Active Student Clubs and Cultural Activities



Food Court and Cafeteria Facilities



Banking & ATM Facilities



Medical Store and Basic Healthcare Support



Grocery and Daily Need Stores Near Campus



Transport Facility for Students



Safe and Ragging Free Campus





AIMS

- Deliver quality technical education aligned with modern engineering practices
- Develop technically competent and ethically responsible engineers
- Encourage innovation, creativity, and problem-solving skills
- Contribute to regional and national development through skilled professionals



OUR STRENGTH

- Qualified and dedicated teaching faculty
- Student-focused academic environment
- Modern teaching methods and practical exposure
- Supportive and disciplined campus culture
- Focus on technical and professional skill development



OBJECTIVES

- Provide a strong academic foundation in engineering and technology
- Encourage project-based and application-oriented learning
- Develop analytical thinking and problem-solving abilities
- Promote teamwork, innovation, and leadership qualities among students
- Prepare students for professional careers and higher education



WHY CHOOSE ENGINEERING FROM BDSU?



AICTE Approved Engineering Programs

ensuring quality technical education.



Placement Focused Training

including aptitude preparation, technical skill development, and interview guidance.



Job-Oriented Curriculum

designed to develop industry-relevant skills.



Strong Practical Knowledge

through workshops, projects, and hands-on learning.



Experienced and Supportive Faculty

guiding students academically and professionally.



Ragging Free Campus

ensuring a safe and disciplined learning environment.



Hostel Facility Available

for students.



Bus Transportation Facility Available

for easy commute.



Library and Learning Resources

supporting academic excellence.



Skill Development and Career Guidance

for better employment opportunities.

FACULTY OF ENGINEERING & TECHNOLOGY

Faculty of Engineering & Technology at Babu Dinesh Singh University is committed to providing quality technical education with strong academic foundation and student-centered learning environment.

The faculty focuses on developing skilled engineers with sound technical knowledge, practical understanding, and professional ethics. Students are encouraged to enhance their analytical thinking, innovation abilities, and technical competence required for successful careers in engineering and technology fields.

CONTACT INFORMATION



Dr. Pankaj Kumar

Dean – Engineering & Technology

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PROGRAMME & ELIGIBILITY

B.TECH	INTAKE	ELIGIBILITY	DURATION	
• Civil Engineering	60	10+2 Passes, 45% in PCM (For Regular)	4 Years (8 Semesters)	
• Electrical and Electronic Engineering	60			
• Computer Science & Engineering	120			
• CSE (Artificial Intelligence)	60		——— OR ——— Diploma in Engineering / B.Sc Mathematics (For Lateral Entry)	3 Years (6 Semesters)
• CSE (Cyber Security)	60			

DIPLOMA IN ENGINEERING	INTAKE	ELIGIBILITY	DURATION	
• Civil Engineering	60	10th with at least 50% (GEN) / 45% (ST/SC/OBC) (For Regular)	3 Years (6 Semesters)	
• Mechanical Engineering	60			
• Electrical & Electronic Engineering	60			
• Computer Science & Engineering	120		——— OR ——— 10+2 with Mathematics / ITI (For Lateral Entry)	2 Years (4 Semesters)
• Electrical Engineering	60			

FACULTY OF ENGINEERING & TECHNOLOGY

The Department of Engineering & Technology at BDSU is renowned for its innovative approach to education and research in the fields of engineering and technology. With a commitment to excellence, the department offers a diverse range of programs designed to equip students with the skills and knowledge needed to tackle real-world challenges. Faculty members, who are experts in their respective fields, foster an environment of collaboration and critical thinking, ensuring that students are well-prepared for the rapidly evolving demands of the industry. Through hands-on learning experiences and state-of-the-art facilities, students at BDSU's Department of Engineering & Technology are empowered to become leaders and innovators in their chosen fields, driving progress and shaping the future of technology.



250+
Faculty



Lush
Green Campus



Smart
Classrooms



Wi-Fi
Enabled Campus



110+
Acres Campus



24x7
24x7 Securities

ENGINEERING LABORATORIES & FACILITIES



- Modern Computer Programming Labs
- Electrical & Electronics Laboratories
- Mechanical Workshop & Manufacturing Lab
- Civil Engineering Survey & Material Testing Lab
- Innovation & Project Development Lab
- Wi-Fi Enabled Campus and Smart Classrooms



HOSTEL FACILITY

- Separate Hostel Facility for Boys and Girls
- Safe, Secure and Comfortable Environment
- Hygienic Mess and Nutritious Food
- 24x7 Security and Warden Support



TRANSPORT (BUS) FACILITY

- University Bus/Transport Facility
- Convenient Connectivity from Nearby Areas
- Safe, Comfortable and Reliable Transport



OTHER STUDENT FACILITIES

- Library and Digital Learning Resources
- Sports and Recreational Facilities
- Workshops, Seminars and Training Programs
- 24x7 Medical and First Aid Support
- Lush Green Campus Environment



AICTE APPROVED PROGRAMS

Programs are conducted as per norms of the All India Council for Technical Education (AICTE).



SCHOLARSHIP

Jharkhand E-Kalyan Scholarship

For: SC/ST/OBC students of Jharkhand (Post-Matric)

Eligibility: As per the rules of the Jharkhand Government E-Kalyan Scholarship Scheme.

Eligible students can apply through the official Jharkhand E-Kalyan portal as per government guidelines.



PLACEMENT SUPPORT & JOB ORIENTED TRAINING

The university focuses on enhancing employability through skill development programmes, career guidance and industry-oriented training.

- Aptitude Training (Quantitative, Logical and Reasoning Skills)
- Communication and Soft Skills Development
- Personality Development and Interview Preparation
- Mock Interviews and Group Discussion Sessions
- Technical Skill Development Workshops
- Career Guidance and Higher Education Counseling
- Entrepreneurship Awareness and Startup Support

These initiatives help students develop industry-ready skills and improve employment opportunities.



INDUSTRY CONNECT & PRACTICAL LEARNING

BDSU focuses on practical and industry-oriented learning through workshops, technical activities and real-world project exposure to prepare students for successful professional careers.

- Industrial Visits & Site Training
- Live Projects & Mini Projects
- Technical Workshops & Expert Sessions
- Seminar & Innovation Activities
- Practical Skill-Based Learning
- Teamwork & Leadership Development
- Real-World Problem Solving Approach
- Project Exhibition & Technical Events



RESEARCH, INNOVATION & ENTREPRENEURSHIP

The university encourages students to develop innovative thinking, research aptitude and entrepreneurial skills through academic and technical activities.

- Innovation & Idea Development Activities
- Startup Awareness Programmes
- Technical Project Guidance
- Research & Development Exposure
- Coding & Technical Skill Enhancement
- Industry-Oriented Academic Environment



INDUSTRY EXPOSURE & SKILL DEVELOPMENT

Students are encouraged to participate in industrial visits, technical workshops, seminars and project-based learning activities to enhance practical knowledge and industry readiness.

FEE STRUCTURE

DIPLOMA IN ENGINEERING (3 YEARS)

Program	Total Program Fee
Civil Engineering	₹ 1,72,500
Mechanical Engineering	₹ 1,72,500
Electrical Engineering	₹ 1,72,500
Electrical & Electronics Engineering	₹ 1,72,500
Computer Science & Engineering	₹ 1,72,500

BACHELOR OF TECHNOLOGY (B.TECH) (4 YEARS)

Program	Total Program Fee
Civil Engineering	₹ 3,64,000
Electrical & Electronics Engineering	₹ 3,64,000
Computer Science & Engineering	₹ 3,64,000
Artificial Intelligence	₹ 3,64,000
Cyber Security	₹ 3,64,000

DIPLOMA LATERAL ENTRY (2 YEARS)

Program	Total Program Fee
Civil Engineering	₹ 1,18,000
Mechanical Engineering	₹ 1,18,000
Electrical Engineering	₹ 1,18,000
Electrical & Electronics Engineering	₹ 1,18,000
Computer Science & Engineering	₹ 1,18,000

B.TECH LATERAL ENTRY (3 YEARS)

Program	Total Program Fee
Civil Engineering	₹ 2,76,600
Electrical & Electronics Engineering	₹ 2,76,600
Computer Science & Engineering	₹ 2,76,600
Artificial Intelligence	₹ 2,76,600
Cyber Security	₹ 2,76,600



NOTE

- Fee may be paid semester-wise as per university norms.
- Examination fee and other university charges may be applicable separately.
- Scholarship benefits will be provided as per government rules.



Campus Life & Student Engagement





ENGINEERING LAB ACTIVITIES



INDUSTRIAL VISIT (ADITYA BIRLA REHLA-GRASIM INDUSTRIES LTD.)



BABU DINESH SINGH UNIVERSITY

Garhwa, Jharkhand

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For Registration