



**All India Top 160 Pvt. Engineering
Institutions**
IIRF Ranking 2025



All India Top PVT Institutions
Outlook ICare 2025



WOXSEN
UNIVERSITY

B.TECH

Beyond the Ordinary

Experiential Learning:

The curriculum incorporates real-world application of theory, practical projects, guest lectures and internships to hone critical-thinking and decision-making skills.

International Student Exchange Program:

175+ global partnerships with world's leading universities exposes students to different cultures and markets, broadens perspective, fosters adaptability and enables better understanding of global businesses.

Industry-Integrated Faculty:

Insights and mentorship from industry leaders and professors of practice bridge the gap between.

World Class Infrastructure:

Spread across 200 acres, the campus features state-of-the-art labs, high-tech classrooms, International standard sports arena and modern recreational and residential facilities providing an inspiring environment for creative learning.

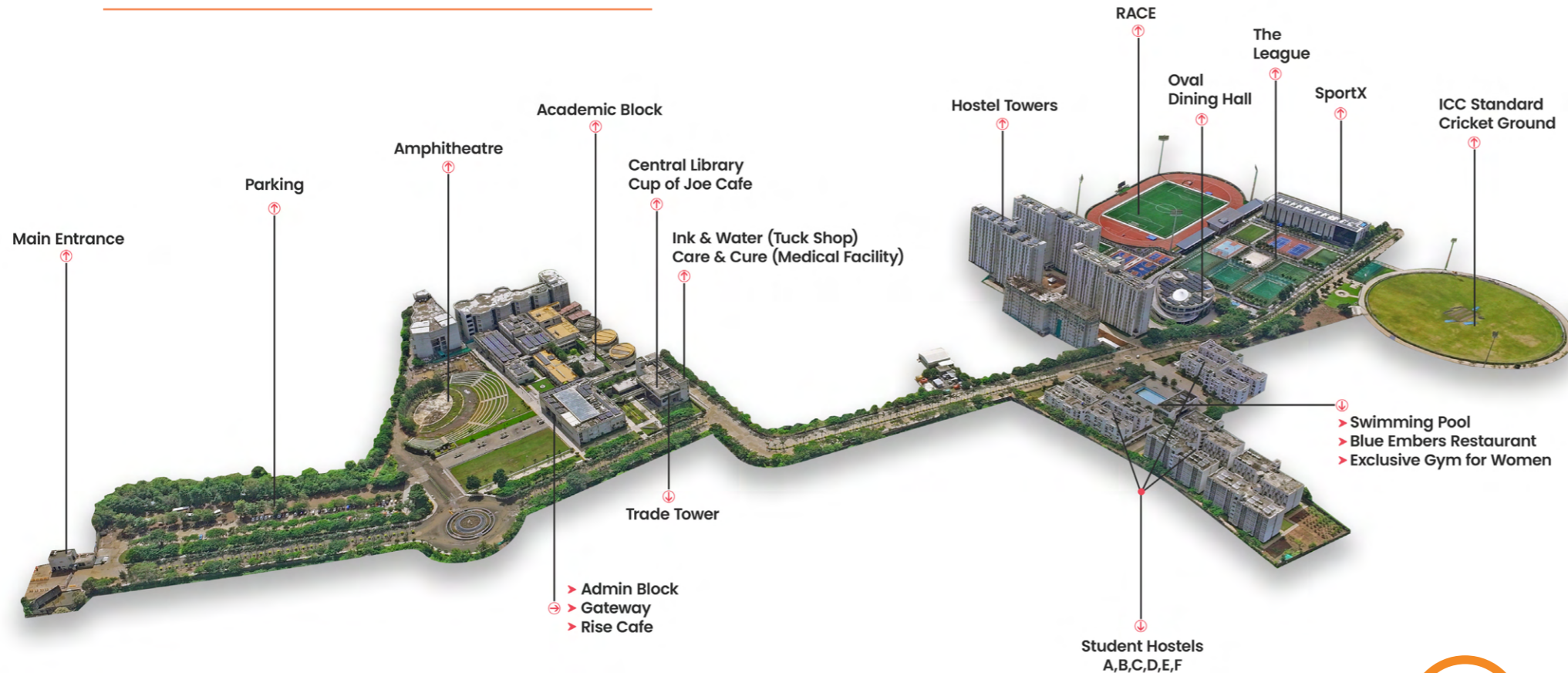
At Woxsen, you are groomed not just for a future career but are transformed into individuals that are New - Age, Technologically Driven, and Global in all perspectives.



CONTENTS

| | |
|--|----|
| A World Within Our Campus | 04 |
| Spotlight on our Class of '25 | 05 |
| World class education that ingrains the ethos to Be More | 06 |
| B.Tech – Computer Science & Engineering | 08 |
| B.Tech – Computer Science & Engineering in Data Science | 10 |
| B.Tech – Computer Science & Engineering in AI & ML | 12 |
| B.Tech – Computer Science & Engineering in Block Chain, IoT & Cyber Security | 14 |
| B.Tech - ECE (Electronics and Communication Engineering) | 16 |
| International Student Exchange | 18 |
| Fees, Scholarships & Financing Options | 20 |
| Student Speak | 22 |
| Admission Process | 23 |

A WORLD WITHIN OUR CAMPUS



TAKE A CAMPUS TOUR

Spotlight on our Class of '25

Male
75%

Female
25%

Percentage of students in across specialization

| | |
|---|-----|
| Computer Science & Engineering | 26% |
| Computer Science & Engineering in Data Science | 5% |
| Computer Science & Engineering in AI & ML | 61% |
| Computer Science & Engineering in Block Chain, IoT & Cyber Security | 6% |
| ECE (Electronics & Communication Engineering) | 2% |

Students from

21

States across India

WORLD CLASS EDUCATION THAT INGRAINS THE ETHOS TO BE MORE



Bachelor of Technology (B.Tech), a beacon of technological prowess, stands as the cornerstone upon which the complexities of cutting-edge engineering are methodically woven and expertly applied. This program plays a pivotal role in cultivating innovative minds, fostering precision in problem-solving, and spearheading advancements that propel industries into the realms of scientific excellence and technological innovation of organizations.

Woxsen University's Bachelor of Technology (B.Tech) program exemplifies our steadfast commitment to nurturing technological innovation. This professional degree, encompasses a diverse spectrum of cutting-edge specializations, seamlessly integrating foundational scientific principles with the latest technologies. The curriculum at Woxsen prioritizes practical application, with hands-on experiences in laboratories and projects designed to cultivate robust problem-solving skills, ensuring graduates are well-equipped for the dynamic challenges of the tech industry. Industry insights guide the curation of each facet of our curriculum, emphasizing real-time projects and assignments that align with current industry demands.

The 4 Year B.Tech orchestrates the synthesis of theoretical knowledge and practical expertise, empowering graduates to engineer solutions that redefine the boundaries of what is possible in our technologically evolving world. Woxsen's B.Tech program has earned acclaim, ranking #12 in the ALL INDIA RANK Top PVT Institutions, B.Tech according to Outlook ICare 2025 and #20 in Top B.Tech/M.Tech Colleges by IIRF Impact Ranking 2025. Furthermore, our institution holds the position of #20 among the All India Top 160 Pvt. Engineering Institutes in Outlook I-CARE 2024

Programs Offered

B.TECH – COMPUTER SCIENCE & ENGINEERING

The B.Tech in Computer Science (General) is meticulously crafted to provide students with a comprehensive and versatile education in the dynamic realm of computer science. This program focuses on fostering expertise across a broad spectrum of computer science disciplines, including software development, algorithms, data structures, and systems architecture. This program equips students with critical problem-solving abilities, analytical thinking, and a robust foundation to excel in the ever-evolving landscape of technology.

B.TECH – COMPUTER SCIENCE & ENGINEERING IN DATA SCIENCE

The B.Tech in Computer Science (Data Science) is tailored to immerse students in the dynamic field of data science. Focused on data analytics, machine learning, and statistical modeling, this program equips students with advanced skills for meaningful insights and data-driven decision-making. Graduates are poised to excel in the evolving landscape of technology.

B.TECH – COMPUTER SCIENCE & ENGINEERING IN AI & ML

The B.Tech in Computer Science (AI & ML) is crafted to immerse students in the forefront of technological innovation. This program specializes in artificial intelligence and machine learning, providing a comprehensive understanding of algorithms, pattern recognition, and advanced data processing. Graduates are equipped with the skills to contribute to the cutting-edge developments in AI and ML, positioning them as leaders in the evolving landscape of computer science.

B.TECH – COMPUTER SCIENCE & ENGINEERING IN BLOCK CHAIN, IOT & CYBER SECURITY

The B.Tech in Computer Science (Blockchain, IoT & Cybersecurity) is intricately crafted to delve into the convergence of pioneering technologies. Focused on blockchain, Internet of Things (IoT), and cybersecurity, this program provides a comprehensive understanding of secure and decentralized systems. Graduates are equipped with the skills needed to navigate the complex landscapes of blockchain technology, IoT applications, and cybersecurity protocols, making them adept contributors to the evolving field of computer science.

B.TECH - ELECTRONICS & COMMUNICATION ENGINEERING

The rise of 5G, IoT, AI, and other emerging technologies has triggered a demand for skilled ECE professionals to design, develop, and maintain these systems. B.Tech In Electronics and Communication Engineering at Woxsen covers in-demand core areas like Optimization Techniques, Digital Communications, Computer & Communication Networks, Electronic Devices and Circuits, Internet of Things & more. Along with theoretical exposure students undergo rigorous practical training through top-notch labs, Industry Internships & Guest lectures by Industry Leaders.

Road Map to the B.Tech Program

CAMPUS PLACEMENTS

PLACEMENT PREP

| Aug -Jan | Jan-June | Jun-Jul | Jul -Dec | Jan-May | June-Jul | Jul -Dec | Jan-May | July -Dec | Jan -May |
|-------------------------------|-----------------------------|------------------------|------------------------|-------------------------|---------------------------------------|-------------------------|--------------------------|----------------------|-----------------------|
| Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 | | |
| Experiential Learning Project | Societal Internship Project | International Exchange | Conceptual Project – I | Conceptual Project – II | Summer Internship / Industry Exposure | Applicative Project – I | Applicative Project – II | Capstone Project – I | Capstone Project – II |
| | | | | | | | | | Industry Internship |
| | | | | | | | | | Final Integration |

BE MORE ADAPTIVE

The B.Tech Computer Science program is a dynamic program with wide-ranging applications. Emphasizing cutting-edge innovation in experimental computer science, the curriculum is designed to provide students with a robust foundation of professional, real-world experience.

B.Tech – Computer Science & Engineering (GENERAL)

Duration: 4 years, Full-Time, Residential Program

| TERMS | COURSE TITLE | ELECTIVES |
|------------|---|-----------|
| Semester 1 | <ul style="list-style-type: none"> Computational Thinking and Problem Solving Computational Thinking and Problem Solving Practical Engineering Mathematics Design Thinking for Technologists Applied Physics for Next Generation Applied Physics for Next Generation Practical Electronic Devices and Fundamentals for IoT Electronic Devices and Fundamentals for IoT Practical Environmental Science Experiential Learning Project | |
| Semester 2 | <ul style="list-style-type: none"> Data Structures and Algorithms with Industry Applications Data Structures and Algorithms with Industry Applications Practical Object-Oriented Programming Object-Oriented Programming Practical Chemistry for Sustainable Future Chemistry for Sustainable Future Practical Communication skills for Engineers Communication skills for Engineers Practical Probability & Statistics Indian Knowledge Systems Societal Internship Project | |
| Semester 3 | <ul style="list-style-type: none"> Conceptual Project – I Modern Database Systems Design Analysis of Algorithm Foundations of Artificial Intelligence Discrete Mathematics for Computer Science Technology, Institutions, and Society Industry Integrated Technical Writing Advanced Communication and Logical thinking | |

| TERMS | COURSE TITLE | ELECTIVES |
|------------|---|--|
| Semester 4 | <ul style="list-style-type: none"> Conceptual Project – II Operating Systems and Concurrent Computing Data Communication Networks Machine Learning and Neural Networks Modern Web Application Engineering Engineering Systems and Decision Making Language and Critical Thinking Numerical and Personality Refinement | |
| Semester 5 | <ul style="list-style-type: none"> Applicative Project – I Full Stack Development Distributed Systems Foundations of Identity and Communication | <ul style="list-style-type: none"> Discipline Specific Elective – I Skill – Based Elective – I |
| Semester 6 | <ul style="list-style-type: none"> Applicative Project – II Scalable Cloud and Edge Systems Software Engineering Studio | <ul style="list-style-type: none"> Discipline Specific Elective – II Discipline Specific Elective – III Skill – Based Elective – II |
| Semester 7 | <ul style="list-style-type: none"> Capstone Project – I Software Architecture and System Reliability | <ul style="list-style-type: none"> Open Elective Skill – Based Elective – III Global Elective |
| Semester 8 | <ul style="list-style-type: none"> Capstone Project – II Industry Internship | <ul style="list-style-type: none"> Skill – Based Elective – IV |



ELECTIVES

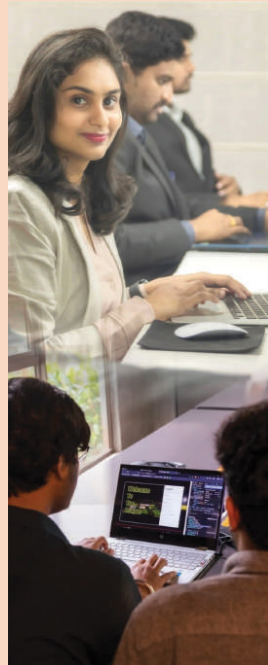
| | |
|-------------------------------|---|
| Discipline Specific Electives | <ul style="list-style-type: none"> Mobile Application Development Theory of Computation Quantum Computing Human-Computer Interaction & UX Dev-Sec-MLOps Software Testing Software Project Management Agentic AI Introduction to Augmented & Virtual Reality Systems Cryptography and Network Security |
| Open Electives | <ul style="list-style-type: none"> Digital Forensics Embedded Systems Big Data analytics Generative AI Fundamentals Edge AI and Smart IoT Systems Data Engineering and Cloud Analytics |
| Global Electives | <ul style="list-style-type: none"> AI for Business Intelligence and FinTech Health & Wellness/Yoga education/ sports/ fitness Urban Technology Challenge I Industry-Defined Technical Challenge Technology Venture Formation Responsible Leadership Reflecting Self Existential Dialogue |

ELECTIVES

Skill-Based Elective

- Ideation and Business Model Design
- Proof of Concept and Technical Feasibility
- Minimum Viable Product and User Validation
- Market-Ready Product and Startup Launch
- Research Foundations and Scientific Inquiry
- Empirical Research Methods
- Research Writing, Publishing and IP
- Industrial Prototyping
- India: Economy, Society & Development
- Technical Communication
- Engineering Aptitude
- Professional Programming Practice
- Systems Design and Algorithmic Engineering
- AI in Industry
- Engineering challenges in Agentic AI Systems

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The Woxsen Advantage:

- Future-ready curriculum covering AI, cloud, full stack, and emerging technologies
- Flexible elective ecosystem enabling specialization through discipline-specific, global and skill-based pathways
- Strong industry integration through societal projects, internships, and real-world problem solving
- Project-driven learning with conceptual, applicative, and capstone projects across the program
- Beyond classroom exposure through research, innovation, and interdisciplinary skill development

Eligibility:

- Applicants must have completed 12th Grade or 10+2 in Science from CBSE, ISC, State Boards, IB, Cambridge, or other Recognized Boards with a minimum 55% aggregate in Physics, Chemistry & Mathematics. In addition, candidates also need to have a good understanding of the English language.
- Students may submit test scores of IIT JEE Mains, VITEEE, AP & TS-EAMCET, MHT CET, CUET, SAT or Woxsen-JEET (W-JEET).
- For Candidates applying with CUET-UG 2026 Score: English as a LANGUAGE subject is mandatory. Any ONE of the subjects from Physics, Chemistry, Mathematics / Applied Mathematics, Computer Science/Informatics Practices as a DOMAIN SPECIFIC subject is mandatory.
- Students appearing for 12th Grade/ equivalent may apply. However, to secure admission at Woxsen University, clearing 12th Grade/equivalent exam is mandatory.
- International Applicants can check their eligibility at <https://woxsen.edu.in/international/eligibility/>

BE MORE ANALYTICAL

In the rapidly evolving global landscape, Data Science is pivotal as industries leverage vast data from machines and humans. Woxsen's B.Tech CSE in Data Science, recognized among India's premier institutes, provides contemporary knowledge and practical training, empowering learners to deploy innovative data-based solutions to real-world challenges.

B.Tech – Computer Science Engineering in (Data Science)

Duration: 4 years, Full-Time, Residential Program

| TERMS | COURSE TITLE | ELECTIVES |
|------------|---|-----------|
| Semester 1 | <ul style="list-style-type: none"> • Computational Thinking and Problem Solving • Computational Thinking and Problem Solving Practical • Engineering Mathematics • Design Thinking for Technologists • Applied Physics for Next Generation • Applied Physics for Next Generation Practical • Electronic Devices and Fundamentals for IoT • Electronic Devices and Fundamentals for IoT Practical • Environmental Science • Experiential Learning Project | |
| Semester 2 | <ul style="list-style-type: none"> • Data Structures and Algorithms with Industry Applications • Data Structures and Algorithms with Industry Applications Practical • Object-Oriented Programming • Object-Oriented Programming Practical • Chemistry for Sustainable Future • Chemistry for Sustainable Future Practical • Communication skills for Engineers • Communication skills for Engineers Practical • Probability & Statistics • Indian Knowledge Systems • Societal Internship Project | |
| Semester 3 | <ul style="list-style-type: none"> • Conceptual Project – I • Modern Database Systems • Design Analysis of Algorithm • Foundations of Artificial Intelligence • Discrete Mathematics for Computer Science • Technology, Institutions, and Society • Industry Integrated Technical Writing • Advanced Communication and Logical thinking | |

| TERMS | COURSE TITLE | ELECTIVES |
|------------|---|-----------|
| Semester 4 | <ul style="list-style-type: none"> Conceptual Project – II Operating Systems and Concurrent Computing Data Communication Networks Machine Learning and Neural Networks Modern Web Application Engineering Engineering Systems and Decision Making Language and Critical Thinking Numerical and Personality Refinement | |
| Semester 5 | <ul style="list-style-type: none"> Applicative Project – I Fundamentals of Data Science Deep Learning Discipline Specific Elective – I Skill – Based Elective – I Foundations of Identity and Communication | |
| Semester 6 | <ul style="list-style-type: none"> Applicative Project – II Big Data Analytics Discipline Specific Elective – II Discipline Specific Elective – III Skill – Based Elective – II Software Engineering Studio | |
| Semester 7 | <ul style="list-style-type: none"> Capstone Project – I Applied Time Series Analysis Open Elective Skill – Based Elective – III Global Elective | |
| Semester 8 | <ul style="list-style-type: none"> Capstone Project – II Skill – Based Elective – IV Industry Internship | |



ELECTIVES

| | |
|-------------------------------|--|
| Discipline Specific Electives | <ul style="list-style-type: none"> Natural Language Processing Adaptive Decision Systems AI Risk, Robustness, and Failure Analysis Graph Analytics Robust and Responsible Data Systems Real-Time Analytics and Decision Support Systems Data Engineering Using Microsoft Fabric Microsoft Azure Project Deployment Mastery Advanced Computer Vision |
| Open Electives | <ul style="list-style-type: none"> Cloud Computing Cryptography and Network Protocols Edge AI and Smart IoT Systems Generative AI Fundamentals Embedded Systems Data Engineering and Cloud Analytics |

| ELECTIVES | |
|----------------------|--|
| Global Electives | <ul style="list-style-type: none"> AI for Business Intelligence and FinTech Health & Wellness/Yoga education/ sports/ fitness Urban Technology Challenge I Industry-Defined Technical Challenge Technology Venture Formation Responsible Leadership Reflecting Self Existential Dialogue |
| Skill-Based Elective | <ul style="list-style-type: none"> Ideation and Business Model Design Proof of Concept and Technical Feasibility Minimum Viable Product and User Validation Market-Ready Product and Startup Launch Research Foundations and Scientific Inquiry Empirical Research Methods Research Writing, Publishing and IP Industrial Prototyping India: Economy, Society & Development Technical Communication Engineering Aptitude Professional Programming Practice Systems Design and Algorithmic Engineering AI in Industry Engineering challenges in Agentic AI Systems |

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The Woxsen Advantage:

- Future-ready curriculum with strong focus on Data Science, AI, Machine Learning, and advanced analytics
- Flexible elective ecosystem across NLP, Computer Vision, Data Engineering, and emerging AI domains
- Strong industry integration through societal projects, internships, and real-world data-driven problem solving
- Project-driven learning with conceptual, applicative, and capstone projects across all stages
- Beyond classroom exposure through research, prototyping, and interdisciplinary skill development

Eligibility:

- Applicants must have completed 12th Grade or 10+2 in Science from CBSE, ISC, State Boards, IB, Cambridge, or other Recognized Boards with a minimum 55% aggregate in Physics, Chemistry & Mathematics. In addition, candidates also need to have a good understanding of the English language.
- Students may submit test scores of IIT JEE Mains, VITEEE, AP & TS-EAMCET, MHT CET, CUET, SAT or Woxsen-JEET (W-JEET).
- For Candidates applying with CUET-UG 2026 Score: English as a LANGUAGE subject is mandatory. Any ONE of the subjects from Physics, Chemistry, Mathematics / Applied Mathematics, Computer Science/ Informatics Practices as a DOMAIN SPECIFIC subject is mandatory.
- Students appearing for 12th Grade/ equivalent may apply. However, to secure admission at Woxsen University, clearing 12th Grade/equivalent exam is mandatory.
- International Applicants can check their eligibility at <https://woxsen.edu.in/international/eligibility/>

BE MORE AGILE

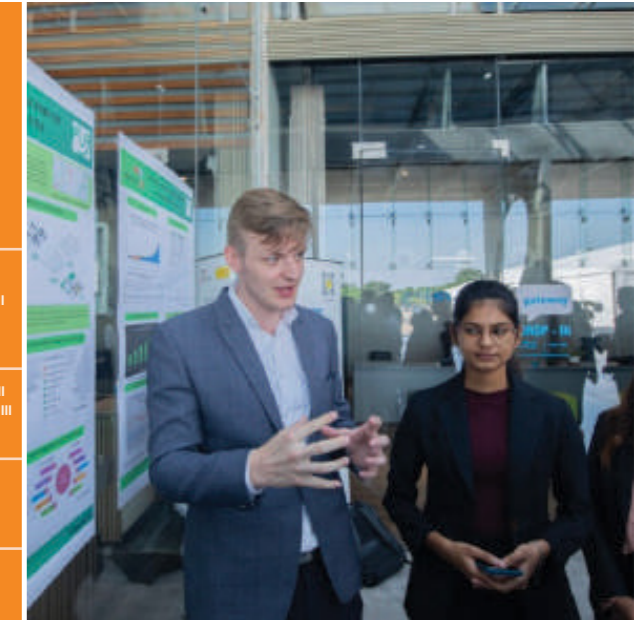
As innovation accelerates, AI has emerged as a central component in every business domain, spanning Manufacturing, Retail, Healthcare, and Media and Entertainment, playing a pivotal role in the ongoing digital revolution. Woxsen University's B.Tech in CSE with a specialization in Artificial Intelligence and Machine Learning (B.Tech CSE AI & ML) offers comprehensive education encompassing Programming, Natural Language Processing, Deep Learning, Machine Learning, and Neural Networks.

B.Tech – Computer Science Engineering in AI & ML

Duration: 4 years, Full-Time, Residential Program

| TERMS | COURSE TITLE | ELECTIVES |
|------------|--|-----------|
| Semester 1 | <ul style="list-style-type: none"> Computational Thinking and Problem Solving Computational Thinking and Problem Solving Practical Engineering Mathematics Design Thinking for Technologists Chemistry for Sustainable Future Chemistry for Sustainable Future Practical Communication skills for Engineers Communication skills for Engineers Practical Indian Knowledge Systems Experiential Learning Project | |
| Semester 2 | <ul style="list-style-type: none"> Data Structures and Algorithms with Industry Applications Data Structures and Algorithms with Industry Applications Practical Object Oriented Programming Object Oriented Programming Practical Probability & Statistics Applied Physics for Next Generation Applied Physics for Next Generation Practical Electronic Devices and Fundamentals for IoT Electronic Devices and Fundamentals for IoT Practical Societal Internship Project Environmental Science | |
| Semester 3 | <ul style="list-style-type: none"> Conceptual Project – I Modern Database Systems Design Analysis of Algorithm Foundations of Artificial Intelligence Discrete Mathematics for Computer Science Technology, Institutions, and Society Industry Integrated Technical Writing Advanced Communication and Logical thinking | |

| TERMS | COURSE TITLE | ELECTIVES |
|------------|---|---|
| Semester 4 | <ul style="list-style-type: none"> Conceptual Project – II Operating Systems and Concurrent Computing Data Communication Networks Machine Learning and Neural Networks Modern Web Application Engineering Engineering Systems and Decision Making Language and Critical Thinking Numerical and Personality Refinement | |
| Semester 5 | <ul style="list-style-type: none"> Applicative Project-1 Natural Language Processing Deep Learning Foundations of Identity and Communication | <ul style="list-style-type: none"> Discipline Specific Elective – I Skill – Based Elective – I |
| Semester 6 | <ul style="list-style-type: none"> Applicative Project – II Explainable & Trustworthy AI | <ul style="list-style-type: none"> Discipline Specific Elective– II Discipline Specific Elective – III Skill – Based Elective – II |
| Semester 7 | <ul style="list-style-type: none"> Capstone project-I Responsible and Human-Centered AI | <ul style="list-style-type: none"> Open Elective Skill – Based Elective – III Global Elective |
| Semester 8 | <ul style="list-style-type: none"> Capstone Project – II Industry Internship | <ul style="list-style-type: none"> Skill – Based Elective – IV |



| ELECTIVES | |
|-------------------------------|--|
| Discipline Specific Electives | <ul style="list-style-type: none"> Computer Vision Generative AI Reinforcement Learning for Autonomous Systems AI Risk, Robustness, and Failure Analysis Applied Time series analysis Agentic AI Data Engineering Using Microsoft Fabric Microsoft Azure Project Deployment Mastery |
| Open Electives | <ul style="list-style-type: none"> Digital Forensics Embedded Systems Big Data analytics Edge AI and Smart IoT Systems Data Engineering and Cloud Analytics |
| Global Electives | <ul style="list-style-type: none"> AI for Business Intelligence and FinTech Health & Wellness/Yoga education/ sports/ fitness Urban Technology Challenge I Industry-Defined Technical Challenge Technology Venture Formation Responsible Leadership Reflecting Self Existential Dialogue |

ELECTIVES

Skill-Based Elective

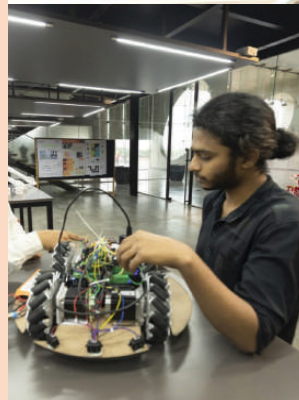
- Ideation and Business Model Design
- Proof of Concept and Technical Feasibility
- Minimum Viable Product and User Validation
- Market-Ready Product and Startup Launch
- Research Foundations and Scientific Inquiry
- Empirical Research Methods
- Research Writing, Publishing and IP
- Industrial Prototyping
- India: Economy, Society & Development
- Technical Communication
- Engineering Aptitude
- Professional Programming Practice
- Systems Design and Algorithmic Engineering
- AI in Industry
- Engineering challenges in Agentic AI Systems

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The Woxsen Advantage:

- Future-ready curriculum with strong focus on AI, Machine Learning, Deep Learning, and intelligent systems
- Flexible elective ecosystem across NLP, Computer Vision, Generative AI, and advanced AI domains
- Strong industry integration through societal projects, internships, and real-world AI-driven problem solving
- Project-driven learning with conceptual, applicative, and capstone projects across all stages
- Beyond classroom exposure through research, prototyping, and interdisciplinary skill development



Eligibility:

- Applicants must have completed 12th Grade or 10+2 in Science from CBSE, ISC, State Boards, IB, Cambridge, or other Recognized Boards with a minimum 55% aggregate in Physics, Chemistry & Mathematics. In addition, candidates also need to have a good understanding of the English language.
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BE MORE FUTURISTIC

B.Tech in Computer Science with a focus on IoT, Cybersecurity and Blockchain equips learners with the expertise to navigate this complex landscape. The program, renowned among top engineering colleges in India, emphasizes practical, application-based learning through lab immersions, ensuring graduates are adept at addressing the evolving demands of internet and security domains.

B.Tech – Computer Science Engineering in (Blockchain, IoT & Cybersecurity)

Duration: 48 Months, Full-Time, Residential Program

| TERMS | COURSE TITLE | ELECTIVES |
|------------|---|-----------|
| Semester 1 | <ul style="list-style-type: none"> • Computational Thinking and Problem Solving • Computational Thinking and Problem Solving Practical • Engineering Mathematics • Design Thinking for Technologists • Applied Physics for Next Generation • Applied Physics for Next Generation Practical • Electronic Devices and Fundamentals for IoT • Electronic Devices and Fundamentals for IoT Practical • Environmental Science • Experiential Learning Project | |
| Semester 2 | <ul style="list-style-type: none"> • Data Structures and Algorithms with Industry Applications • Data Structures and Algorithms with Industry Applications Practical • Object-Oriented Programming • Object-Oriented Programming Practical • Chemistry for Sustainable Future • Chemistry for Sustainable Future Practical • Communication skills for Engineers • Communication skills for Engineers Practical • Probability & Statistics • Indian Knowledge Systems • Societal Internship Project | |
| Semester 3 | <ul style="list-style-type: none"> • Conceptual Project – I • Modern Database Systems • Design Analysis of Algorithm • Data Communication Networks • Discrete Mathematics for Computer Science • Technology, Institutions, and Society • Industry Integrated Technical Writing • Advanced Communication and Logical thinking | |

| TERMS | COURSE TITLE | ELECTIVES |
|------------|---|-----------|
| Semester 4 | <ul style="list-style-type: none"> • Conceptual Project – II • Operating Systems and Concurrent Computing • Applied Cryptography and Network Security Protocols • IoT Architecture and Protocols • Secure and Distributed Cloud Systems • Engineering Systems and Decision Making • Language and Critical Thinking • Numerical and Personality Refinement | |
| Semester 5 | <ul style="list-style-type: none"> • Applicative Project – I • Blockchain and Distributed Ledgers • Digital Identity Management and Cybersecurity • Discipline Specific Elective – I • Skill – Based Elective – I • Foundations of Identity and Communication | |
| Semester 6 | <ul style="list-style-type: none"> • Applicative Project – II • Ethical Hacking • Discipline Specific Elective – II • Discipline Specific Elective – III • Skill – Based Elective – II • Blockchain Engineering Studio | |
| Semester 7 | <ul style="list-style-type: none"> • Capstone Project – I • Cyber Compliance and Risk Governance • Open Elective • Skill – Based Elective – III • Global Elective | |
| Semester 8 | <ul style="list-style-type: none"> • Capstone Project – II • Skill – Based Elective – IV • Industry Internship | |

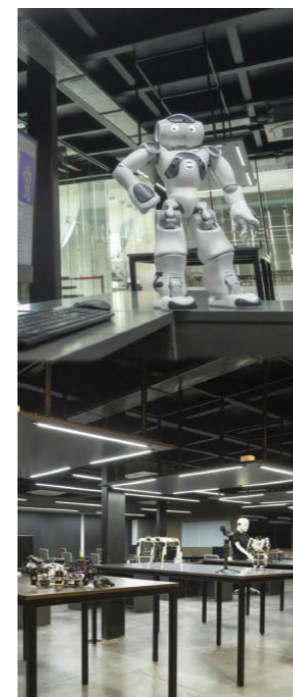


ELECTIVES

| | |
|-------------------------------|---|
| Discipline Specific Electives | <ul style="list-style-type: none"> • Vulnerability Analysis and Penetration Testing • Digital Forensics and Incident Response • Smart Contract Development and Security • Cybersecurity Analytics and Threat Intelligence • Edge Computing and Secure IoT Systems • Wireless Sensor Networks • Quantum Cryptography • Cloud Security and Zero Trust Architecture • Artificial Intelligence for Cyber Security • Secure Software Engineering and DevSecOps |
| Open Electives | <ul style="list-style-type: none"> • Foundations of Data Science • Foundations of Machine Learning • Big Data Ecosystems and Applications • Embedded Systems • Generative AI Fundamentals • Data Visualization and Business Analytics |

| ELECTIVES | |
|-----------------------|--|
| Global Electives | <ul style="list-style-type: none"> • AI for Business Intelligence and FinTech • Health & Wellness/Yoga education/ sports/ fitness • Urban Technology Challenge I • Industry-Defined Technical Challenge • Technology Venture Formation • Responsible Leadership • Reflecting Self • Existential Dialogue |
| Skill-Based Electives | <ul style="list-style-type: none"> • Ideation and Business Model Design • Proof of Concept and Technical Feasibility • Minimum Viable Product and User Validation • Market-Ready Product and Startup Launch • Research Foundations and Scientific Inquiry • Empirical Research Methods • Research Writing, Publishing and IP • Industrial Prototyping • India: Economy, Society & Development • Technical Communication • Engineering Aptitude • Professional Programming Practice • Systems Design and Algorithmic Engineering • AI in Industry • Engineering challenges in Agentic AI Systems |

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The Woxsen Advantage:

- Future-ready curriculum integrating Cybersecurity, IoT, Blockchain, and secure distributed systems
- Flexible elective ecosystem across Ethical Hacking, Cloud Security, Smart Contracts, and emerging tech domains
- Strong industry integration through societal projects, internships, and real-world security challenges
- Project-driven learning with conceptual, applicative, and capstone projects across all stages
- Beyond classroom exposure through research, prototyping, hackathons, and interdisciplinary skill development

Eligibility:

- Applicants must have completed 12th Grade or 10+2 in Science from CBSE, ISC, State Boards, IB, Cambridge, or other Recognized Boards with a minimum 55% aggregate in Physics, Chemistry & Mathematics. In addition, candidates also need to have a good understanding of the English language.
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- International Applicants can check their eligibility at <https://woxsen.edu.in/international/eligibility/>

BE MORE FUTURISTIC

B.Tech in Electronics and Communication Engineering (ECE) equips you to hit the ground running in the fast-paced world of technology. Through industry projects, students gain hands-on experience with cutting-edge advancements in communication and electronics. This program puts the students at the forefront of innovation, exposing them to the ever-evolving technologies shaping our future.

B.Tech – Electronics and Communication Engineering (ECE)

Duration: 48 Months, Full-Time, Residential Program

| TERMS | COURSE TITLE | ELECTIVES |
|------------|--|-----------|
| Semester 1 | <ul style="list-style-type: none"> Computational Thinking and Problem Solving Computational Thinking and Problem Solving Practical Engineering Mathematics - I Design Thinking for Technologists Applied Physics for Next Generation Applied Physics for Next Generation Practical Basic Electrical and Electronics Engineering Basic Electrical and Electronics Engineering Practical Environmental Science Experiential Learning Project | |
| Semester 2 | <ul style="list-style-type: none"> Data Structures and Algorithms with Industry Applications Data Structures and Algorithms with Industry Applications Practical Electronic Devices and Circuits Electronic Devices and Circuits Practical Chemistry for Sustainable Future Chemistry for Sustainable Future Practical Communication skills for Engineers Communication skills for Engineers Practical Engineering Mathematics- II Indian Knowledge Systems Societal Internship Project | |
| Semester 3 | <ul style="list-style-type: none"> Fundamentals of Signals and Systems Network Theory Foundations of Artificial Intelligence Probability Theory and Stochastic Processes Analog and Digital Electronics Industry Integrated Technical Writing Advanced Communication and Logical Thinking Conceptual Project – I | |

| TERMS | COURSE TITLE | ELECTIVES |
|------------|--|-----------|
| Semester 4 | <ul style="list-style-type: none"> Electromagnetic Theory Data Communication Networks Machine Learning and Neural Networks Embedded Systems and IoT Control Systems and Robotics Conceptual Project – II Language and Critical Thinking Numerical and Personality Refinement | |
| Semester 5 | <ul style="list-style-type: none"> Analog and Digital Communication Applied Digital Signal Processing Applicative Project – I Advanced Wireless and Future Internet Technologies Skill – Based Elective – I Foundations of Identity and Communication | |
| Semester 6 | <ul style="list-style-type: none"> VLSI Design & Semiconductor Technology Applicative Project – II Discipline Specific Elective – I Discipline Specific Elective – II Skill – Based Elective – II Software Engineering Studio | |
| Semester 7 | <ul style="list-style-type: none"> Capstone Project – I Discipline Specific Elective – III Open Elective Skill – Based Elective – III Global Elective | |
| Semester 8 | <ul style="list-style-type: none"> Capstone Project – II Skill – Based Elective – IV Industry Internship | |



ELECTIVES

| | |
|-------------------------------|--|
| Discipline Specific Electives | <ul style="list-style-type: none"> Deep Learning on NVIDIA Hardware VLSI System on Chip Design Industrial Automation Speech Processing IoT system Design Specialized Communication (satellite+optics) Biomedical Signal Processing Radar Communications Microwave Theory and Techniques Edge Computing |
| Open Electives | <ul style="list-style-type: none"> Computer Vision Natural Language Processing Introduction to Generative AI Explainable AI Transmission and Distributed Networks Power systems |

ELECTIVES

Global Electives

- AI for Business Intelligence and FinTech
- Health & Wellness/Yoga education/ sports/ fitness
- Urban Technology Challenge I
- Industry-Defined Technical Challenge
- Technology Venture Formation
- Responsible Leadership
- Reflecting Self
- Existential Dialogue

Skill-Based Electives

- Ideation and Business Model Design
- Proof of Concept and Technical Feasibility
- Minimum Viable Product and User Validation
- Market-Ready Product and Startup Launch
- Research Foundations and Scientific Inquiry
- Empirical Research Methods
- Research Writing, Publishing and IP
- Industrial Prototyping
- India: Economy, Society & Development
- Technical Communication
- Engineering Aptitude
- MLOps for Edge Computing
- DevOps for Embedded Systems
- Cybersecurity for IoT Networks
- Prompt Engineering for Hardware Description



*Woxsen University follows a Continuous Benchmarking Policy & the above curriculum outline is subject to change without further notice.



The Woxsen Advantage:

- Future-ready curriculum integrating electronics, communication systems, AI, IoT, and next-gen technologies
- Flexible elective ecosystem across VLSI, Embedded Systems, Wireless Communication, and emerging domains
- Strong industry integration through societal projects, internships, and real-world engineering applications
- Project-driven learning with conceptual, applicative, and capstone projects across all stages
- Beyond classroom exposure through research, prototyping, interdisciplinary skills and industry-aligned innovation

Eligibility:

- Applicants must have completed 12th Grade or 10+2 in Science from CBSE, ISC, State Boards, IB, Cambridge, or other Recognized Boards with a minimum 55% aggregate in Physics, Chemistry & Mathematics. In addition, candidates also need to have a good understanding of the English language.
- Students may submit test scores of IIT JEE Mains, VITEEE, AP & TS-EAMCET, MHT CET, CUET, SAT or Woxsen-JEET (W-JEET).
- For Candidates applying with CUET-UG 2026 Score: English as a LANGUAGE subject is mandatory. Any ONE of the subjects from Physics, Chemistry, Mathematics / Applied Mathematics, Computer Science/ Informatics Practices as a DOMAIN SPECIFIC subject is mandatory.
- Students appearing for 12th Grade/ equivalent may apply. However, to secure admission at Woxsen University, clearing 12th Grade/ equivalent exam is mandatory.
- International Applicants can check their eligibility at <https://woxsen.edu.in/international/eligibility/>

INTERNATIONAL STUDENT EXCHANGE

Woxsen University has established 175+ global partnerships with the world's leading universities with triple crown and FT Ranked institutions across 53+ countries such as USA, Germany, Canada, Australia, UK, Brazil, France, Italy, Colombia, Russia, Spain and more . The Student Exchange Program is structured to enhance the learning experience of the students

Student Exchange

- Provides global exposure & international competencies to students
- Promotes international mobility of our meritorious students
- Acquaints students with challenges & opportunities in the international business world



OUR STUDENTS GO PLACES!

Placements

The world's leading corporates and institutions rely on Woxsen for talent acquisition. Our new-age programs, global faculty, industry-aligned curriculum and a robust placement prep framework, ensure our graduates are Industry-ready from Day 1.

100%
Placement Track Record

24.0 LPA
Highest CTC

150+
Industry Interactions
Throughout Program

12.2 LPA
Top 20% Avg. CTC

9.5 LPA
Overall Avg. CTC

137.5%
One Year Avg. ROI

FEES, SCHOLARSHIPS & FINANCING OPTIONS

Residential Program

FEE STRUCTURE

BACHELOR OF TECHNOLOGY - CSE (Gen) | CSE (AL & ML)
Batch : 2026- 2030

| ACADEMIC FEE | Year 1 | Year 2 | Year 3 | Year 4 | Total |
|---|--|----------|--|----------|-----------|
| Admission Commitment Fee <i>(one-Time, Non-Refundable)</i> | 50,000 | - | - | - | 50,000 |
| Tuition Fee | 3,15,000 | 3,40,000 | 3,40,000 | 3,40,000 | 13,35,000 |
| Learning Resources | 60,000 | 60,000 | 60,000 | 60,000 | 2,40,000 |
| Total | 4,25,000 | 4,00,000 | 4,00,000 | 4,00,000 | 16,25,000 |
| | <i>(Payable to Woxsen University)</i> | | | | |
| Food & Hostel Charges | STANDARD <i>(For 4 years)</i> | | PREMIUM <i>(For 4 years)</i> | | |
| Food Charges <i>(5% GST Included)</i> | 6,00,000 | | 6,00,000 | | |
| Accommodation Charges | 6,00,000 <i>(Quadruple Sharing, Non-AC)</i> | | 8,54,000 <i>(Quadruple Sharing, AC)</i> | | |
| Sports Facility & Infrastructure <i>(18% GST Included)</i> | 60,000 | | 60,000 | | |
| Total | 12,60,000 <i>(Payable to INFIZIC LLP)</i> | | 15,14,000 <i>(Payable to INFIZIC LLP)</i> | | |
| Grand Total | 28,85,000 | | 31,39,000 | | |
| | <i>Students are free to choose between two plans as per their preference</i> | | | | |
| T&C Apply Laundry charges if availed, should be paid directly to the concerned vendor on Pay-per-Use basis | | | | | |

Scholarships & Financial Assistance:

1. Woxsen University offers merit scholarships of upto 50% based on student's composite score.
2. Woxsen offers Easy Monthly Payment (EMI) & Loan options for flexible fee payment.
(Note: Please check website for more details)

FEES, SCHOLARSHIPS & FINANCING OPTIONS

Residential Program

FEE STRUCTURE

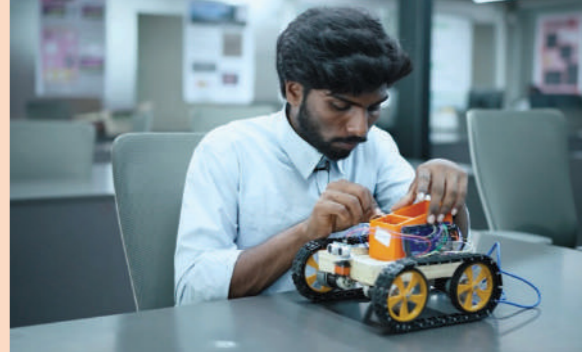
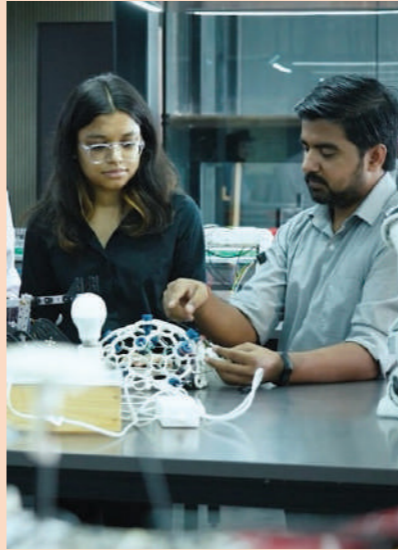
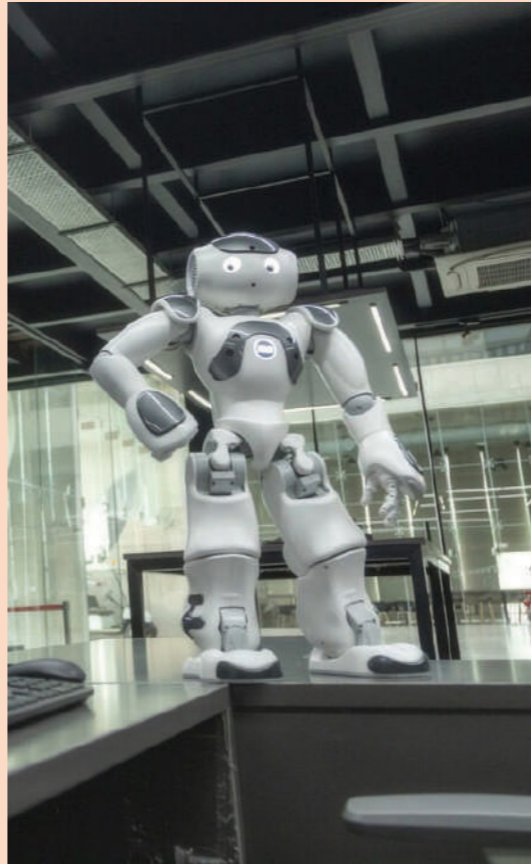
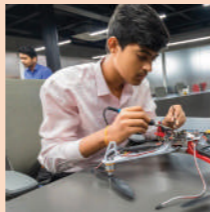
B.Tech CSE (Data Science) | CSE (Blockchain, IoT, Cybersecurity) | ECE (Electronics & Communication Engineering)
Batch : 2026- 2030

| ACADEMIC FEE | Year 1 | Year 2 | Year 3 | Year 4 | Total |
|---|--|----------|--|----------|-----------|
| Admission Commitment Fee <i>(one-Time, Non-Refundable)</i> | 50,000 | - | - | - | 50,000 |
| Tuition Fee | 3,15,000 | 3,25,000 | 3,25,000 | 3,25,000 | 12,90,000 |
| Learning Resources | 60,000 | 60,000 | 60,000 | 60,000 | 2,40,000 |
| Total | 4,25,000 | 3,85,000 | 3,85,000 | 3,85,000 | 15,80,000 |
| | <i>(Payable to Woxsen University)</i> | | | | |
| Food & Hostel Charges | STANDARD <i>(For 4 years)</i> | | PREMIUM <i>(For 4 years)</i> | | |
| Food Charges <i>(5% GST Included)</i> | 6,00,000 | | 6,00,000 | | |
| Accommodation Charges | 6,00,000 <i>(Quadruple Sharing, Non-AC)</i> | | 8,54,000 <i>(Quadruple Sharing, AC)</i> | | |
| Sports Facility & Infrastructure <i>(18% GST Included)</i> | 60,000 | | 60,000 | | |
| Total | 12,60,000 <i>(Payable to INFIZIC LLP)</i> | | 15,14,000 <i>(Payable to INFIZIC LLP)</i> | | |
| Grand Total | 28,40,000 | | 30,94,000 | | |
| | <i>Students are free to choose between two plans as per their preference</i> | | | | |
| T&C Apply Laundry charges if availed, should be paid directly to the concerned vendor on Pay-per-Use basis | | | | | |

Scholarships & Financial Assistance:

1. Woxsen University offers merit scholarships of upto 50% based on student's composite score.
2. Woxsen offers Easy Monthly Payment (EMI) & Loan options for flexible fee payment.
(Note: Please check website for more details)

WORLD OF TECHNOLOGY



STUDENTS SPEAK



Vasireddy Bindu Harsitha
B.Tech

The top B.Tech universities are those that empower students with cutting-edge teaching methodologies, and Woxsen University has established itself as one of them. At Woxsen, instruction begins with theory and concludes with practice; these sessions serve as prerequisites for internship and becoming industry-ready.



Arun Chandra Boine
B.Tech

The curriculum is designed in a way that encourages research and innovation. This helps us to understand the industry requirement and get hands-on experience. This also helps us to adopt a problem solving approach to tackle the upcoming challenges.



Sadhana Donepudi
B.Tech

Apart from providing practical education to its students, Woxsen University is always at the forefront driving students to learn, explore beyond our abilities to be industry-ready. I had an incredible internship experience with symatrix, where I learned various oracle HCM and cloud projects.

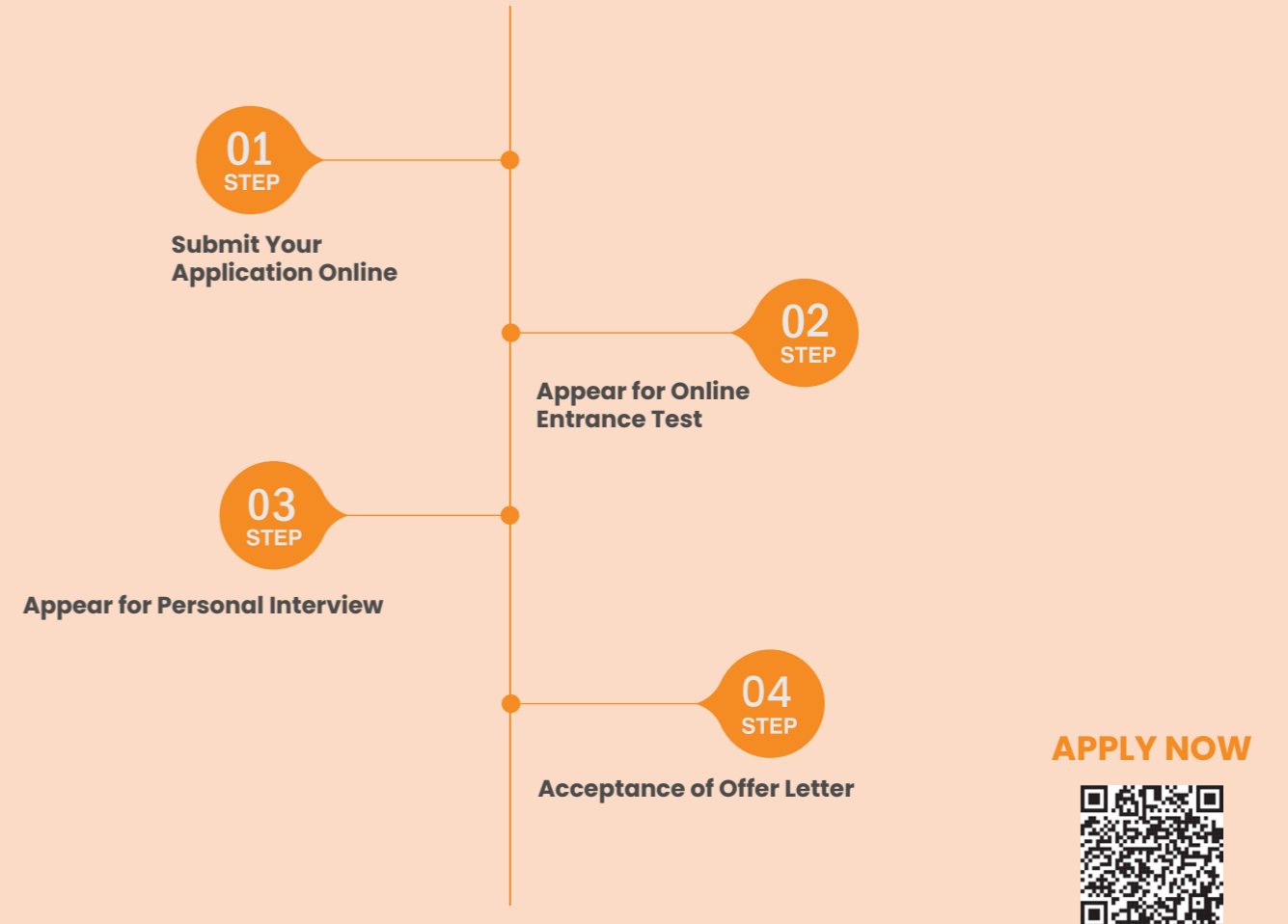


Aditi Baggu
B.Tech

With the fast pace growing technology it is up to the new generation of engineers to keep up with the new trends and be more creative, and provide solutions. B.Tech at woxsen includes applied learning, exceptional curriculum design, visionary trade tower, placement assistance and industry connections.

ADMISSION PROCESS

Studying at Woxsen University gives you the opportunity to gain knowledge, skills, and outlook which you need to reach your full potential. Applying to Woxsen is a simple process that we will walk you through step by step.



**Note: 25% seats for admissions are reserved for the students of the State of Telangana under Domicile based reservation clause, mentioned in The Telangana State Private Universities (Establishment and Regulation) Act, 2018.

