



# JOHN COX MEMORIAL CSI INSTITUTE OF TECHNOLOGY

**KANNAMMOOLA, TRIVANDRUM**

A Professional Engineering College, Approved by AICTE, Affiliated to APJAKTU and SBTE

**AN ENGINEERING COLLEGE  
RIGHT IN THE HEART OF THE CITY**

## ABOUT THE COLLEGE

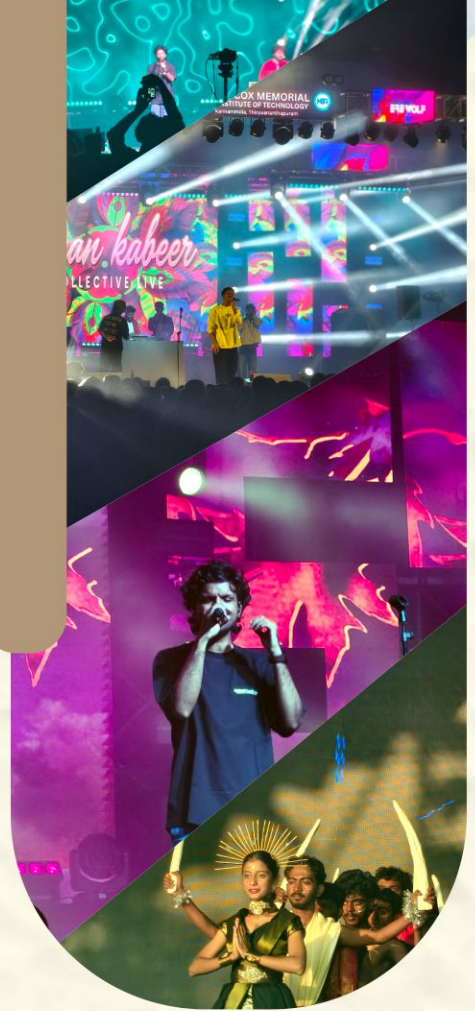
Established in 2009, John Cox Memorial CSI Institute of Technology (JIT) is a premier engineering institution committed to academic excellence, innovation, research, and holistic student development. Managed by the Society for Technical Training under the South Kerala Diocese of the Church of South India (CSI), the institution was founded in memory of Rev. John Cox, a visionary educationalist, missionary, and social reformer who dedicated his life to empowering communities through education and social service.

Located in Trivandrum, Kerala, JIT is approved by the All India Council for Technical Education (AICTE) and affiliated with APJ Abdul Kalam Technological University (KTU), Kerala. The institution offers industry-focused engineering programs designed to prepare students for the rapidly evolving global technological landscape.

JIT combines academic excellence with experiential learning through advanced laboratories, modern infrastructure, innovation-driven activities, and strong industry interaction. The institution focuses on nurturing technically competent, ethically responsible, and socially committed professionals.

The Department of Electronics and Communication Engineering (ECE) has achieved NBA Accreditation, reflecting the institution's commitment to quality education, outcome-based learning, academic excellence, and continuous improvement.

With a strong commitment to innovation, research, and value-based education, JIT continues to empower students to become skilled professionals, responsible citizens, and future leaders capable of contributing meaningfully to society and the nation.



### VISION

To be a knowledge hub and Centre of Excellence in the field of technical education that contributes to socio-economic development of the nation and the globe, through excellent teaching-learning, research and living ambience.

### MISSION

- To foster young and potential generation of engineers to face the ensuing scientific, technological, managerial, ecological and societal challenges of the globe.
- To develop cutting-edge research and environment for innovation for addressing the national and global needs.
- To facilitate an innovative and active learning environment

### TALENT BOOSTERS

At JIT, learning extends beyond classrooms. The institution provides students with opportunities to develop technical expertise, leadership qualities, creativity, communication skills, and professional confidence through various academic and extracurricular initiatives.



## WHY CHOOSE JIT?

- AICTE Approved & KTU Affiliated Institution
- NBA Accredited
- Industry-Oriented Curriculum
- Dedicated and Experienced Faculty
- Modern Laboratories & Smart Classrooms
- Innovation & Entrepreneurship Support
- Career Development & Placement Assistance
- Technical Clubs and Professional Associations
- Internship & Industry Exposure Programs
- Vibrant Campus Life and Student Activities

## Academic & Technical Enrichment

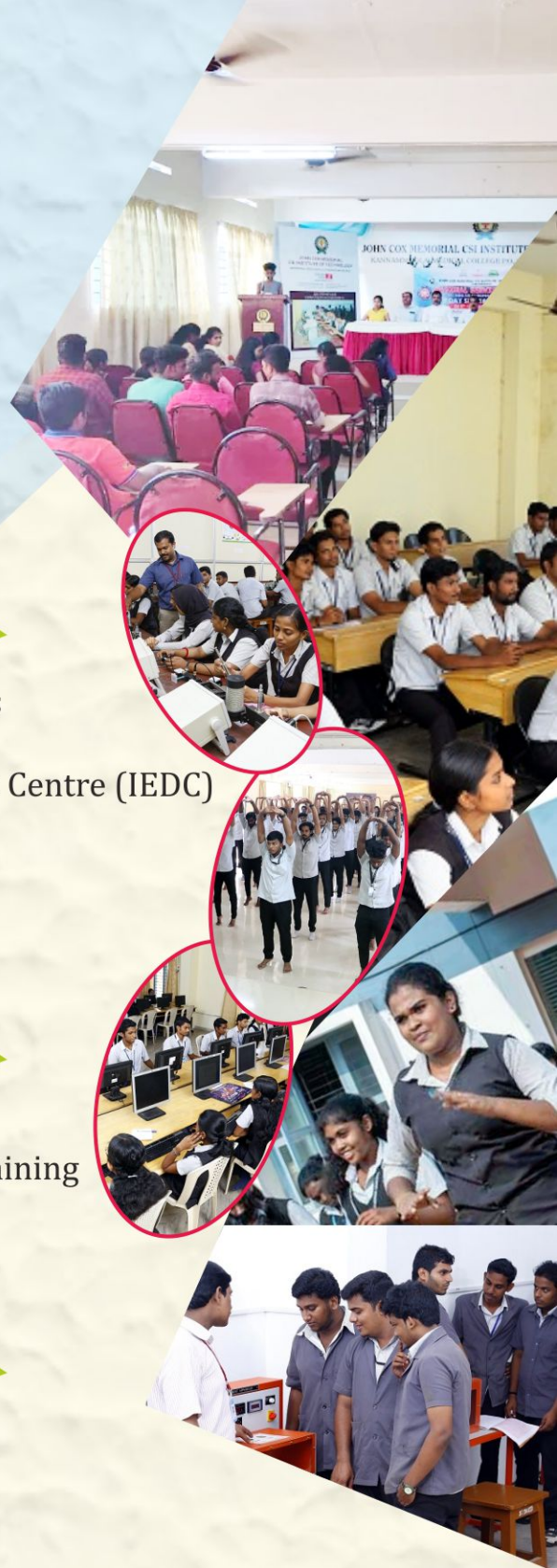
- Department Associations and Technical Forums
- Workshops, Seminars & Certification Programs
- Innovation and Entrepreneurship Development Centre (IEDC)
- TECH EXPO & Project Exhibitions
- Industrial Visits & Internship Programs
- Coding, Robotics & Innovation Clubs
- Career Development Activities
- Campus Recruitment Drives

## Student Leadership & Development

- NSS & Social Outreach Activities
- Personality Development & Communication Training
- Leadership Camps & Team Building Programs
- Entrepreneurship & Startup Support Initiatives
- Professional Society Activities

## Cultural & Campus Life

- Arts Fest & Intercollegiate Events
- Sports Meet & Athletic Activities
- Onam, Christmas & Cultural Celebrations
- Music, Dance & Literary Clubs
- Alumni Networking & Interaction Programs
- Through these initiatives, JIT creates a dynamic learning ecosystem that helps students grow academically, professionally, socially, and culturally.



The John Cox Memorial CSI Institute of Technology is located at Kannammoola (Kannammoola - Medical College Road), 4 Km away from Trivandrum International Airport, 5 Km away from the Thiruvananthapuram - Central Bus Station and Railway Station, 4 Km away from the Kerala Legislative Assembly and 2 Km away from the Thiruvananthapuram Medical College and is well connected by roads

# Academic Departments

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

The Department of Artificial Intelligence & Machine Learning at JIT is dedicated to developing globally competent professionals equipped with advanced computational, analytical, and problem-solving skills. The department focuses on emerging intelligent technologies that are transforming industries worldwide, including Artificial Intelligence, Machine Learning, Data Science, Robotics, Automation, and Smart Systems.

With an industry-oriented curriculum, advanced computing facilities, and research-driven learning methodologies, the department provides students with strong theoretical foundations and hands-on technical training in cutting-edge technologies. Students actively participate in innovation projects, hackathons, internships, technical workshops, and research activities that prepare them for modern digital industries.

The department aims to nurture engineers, innovators, researchers, and entrepreneurs capable of developing intelligent solutions for real-world challenges and contributing effectively to the future digital economy.



### Core Areas

- Artificial Intelligence & Machine Learning
- Deep Learning & Neural Networks
- Data Science & Big Data Analytics
- Natural Language Processing
- Computer Vision & Robotics
- Python Programming & Data Structures
- Cloud Computing & IoT
- Cyber Security & Ethical AI

### Laboratories & Facilities

- AI & Data Analytics Laboratory
- Robotics & Automation Lab
- High-Performance Computing Facilities
- Smart Classrooms & Seminar Halls

### Career Opportunities

- AI Engineer
- Machine Learning Engineer
- Data Scientist
- Robotics Engineer
- NLP Engineer
- AI Application Developer
- AI Solutions Architect
- Business Intelligence Analyst

### Student Activities & Associations

- Coding & Innovation Club
- Hackathons & Technical Workshops
- Internship & Industry Training Programs
- Research & Startup Support Activities

# DEPARTMENT OF BIOMEDICAL & ROBOTIC ENGINEERING

The Department of Biomedical & Robotic Engineering at JIT is a pioneering center for interdisciplinary education that integrates healthcare technology, biomedical sciences, robotics, automation, and intelligent systems. The department is committed to preparing technology-driven professionals capable of developing innovative solutions that enhance healthcare systems and modern industrial applications.

Biomedical and Robotic Engineering is among the fastest-growing engineering disciplines in the modern world. The department provides students with strong academic foundations, experiential learning opportunities, research exposure, and technical expertise in medical instrumentation, robotics, rehabilitation technologies, embedded systems, artificial intelligence, and healthcare automation.

Supported by advanced laboratories and industry-focused training, the department empowers students to become globally competent engineers, innovators, and researchers capable of transforming the future of healthcare and intelligent technologies.

## Career Opportunities

- Biomedical Engineer
- Robotics Engineer
- Clinical Engineer
- Medical Equipment Specialist
- AI Healthcare Analyst
- Automation Engineer
- Research Scientist
- Medical Device Designer

## Core Areas

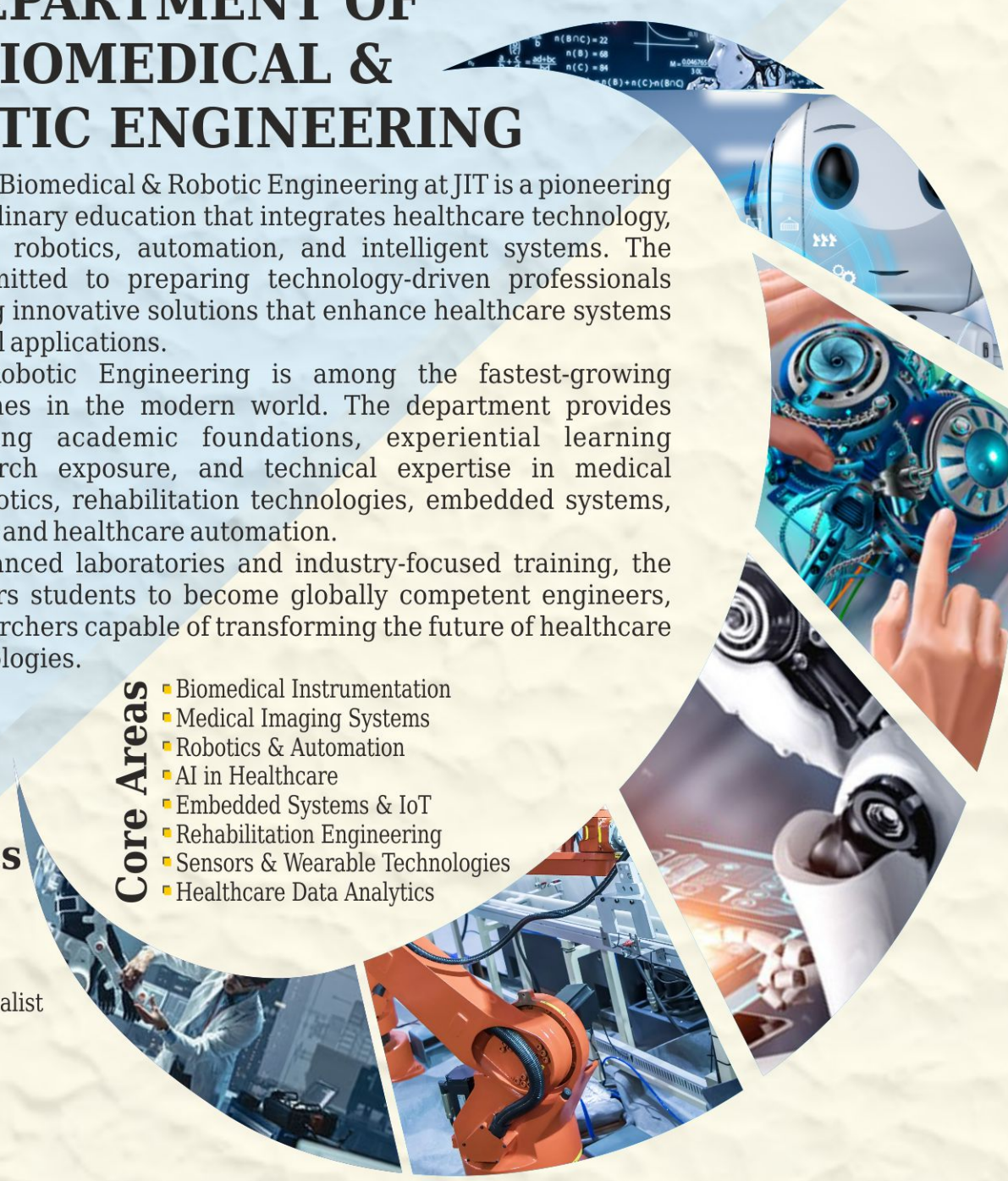
- Biomedical Instrumentation
- Medical Imaging Systems
- Robotics & Automation
- AI in Healthcare
- Embedded Systems & IoT
- Rehabilitation Engineering
- Sensors & Wearable Technologies
- Healthcare Data Analytics

## Laboratories & Facilities

- Biomedical Instrumentation Lab
- Robotics & Automation Lab
- AI & Machine Learning Laboratory
- Anatomy & Physiology Lab

## Student Activities & Associations

- AI & Healthcare Technology Forum
- Technical Workshops & TECH EXPO
- Industry Mentorship Programs
- Research & Innovation Projects



# DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering at JIT is committed to developing technically competent and socially responsible engineers capable of shaping modern infrastructure and sustainable development. Civil Engineering builds the infrastructure of every society and it remains as one of the most essential branches of engineering, playing a vital role in the planning, design, construction, and maintenance of infrastructure systems that support society.

The department provides students with strong theoretical knowledge and application-oriented learning in structural engineering, construction technology, transportation systems, environmental engineering, surveying, and infrastructure planning. Through field training, industrial visits, seminars, and project-based activities, students gain the professional competence required for successful engineering careers.

With a strong focus on sustainability, innovation, and infrastructure development, the department prepares students for opportunities in both government and private sectors, contributing to smart cities and modern infrastructure growth.



## Core Areas

- Structural Engineering
- Construction Technology
- Transportation Engineering
- Environmental Engineering
- Geotechnical Engineering
- Surveying & Infrastructure Planning
- CAD & Design Technologies

## Career Opportunities

- Structural Engineer
- Site Engineer
- Construction Manager
- Transportation Engineer
- Environmental Engineer
- Surveyor
- CAD Design Engineer
- Public Sector Engineer

## Laboratories & Facilities

- Strength of Materials Lab
- Survey Lab
- Concrete Technology Lab
- Geotechnical Engineering Lab

## Student Activities & Associations

- Technical Workshops & Site Visits
- Placement & Software Training Programs
- Project Exhibitions
- Technical Development Activities

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Established in 2009, the Department of Computer Science & Engineering at JIT is dedicated to academic excellence, technological innovation, and industry-oriented education in the field of computing and information technology. The department focuses on developing highly skilled professionals capable of meeting the evolving demands of the global IT industry.

With modern computing laboratories, project-based learning approaches, and strong technical training, the department provides students with solid foundations in programming, software development, networking, cybersecurity, artificial intelligence, cloud computing, and emerging digital technologies.

The department actively promotes innovation, research, and industry interaction through coding competitions, hackathons, internships, workshops, and professional association activities. Students are empowered to become competent software professionals, innovators, entrepreneurs, and technology leaders.

## LAB FACILITIES

1. Data Structure Lab
2. Operating System Lab
3. Application software lab
4. Microprocessor Lab
5. OOP Lab
6. Network Programming Lab
7. Compiler Design Lab
8. Project Lab
9. Python Lab

## Core Areas

- Programming & Data Structures
- Software Engineering
- Database Management Systems
- Computer Networks
- Artificial Intelligence & Data Science
- Cyber Security
- Cloud Computing
- Web & Mobile Application Development

## Career Opportunities

- Software Developer
- Data Analyst
- AI & ML Engineer
- Cyber Security Specialist
- Cloud Engineer
- Full Stack Developer
- System Administrator
- Research & Development Professional

## Laboratories & Facilities

- Modern Computing Laboratories
- Python & Programming Labs
- High-Speed Internet Facilities
- Smart Classrooms

## Student Activities & Associations

- IEEE, ACM & CSI Student Chapters
- Coding Competitions & Hackathons
- Technical Workshops & Innovation Programs
- Project Development Support Activities

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Established in 2009, the Department of Electronics & Communication Engineering at JIT is committed to excellence in technical education, innovation, and research in the field of electronics and communication technologies. The department focuses on building strong theoretical foundations combined with experiential and industry-oriented learning.

The department has achieved NBA Accreditation, reflecting its commitment to maintaining high academic standards, quality infrastructure, outcome-based education, and continuous improvement in teaching-learning processes. Students are trained in advanced technological domains including communication systems, embedded systems, VLSI design, signal processing, wireless communication, IoT, and automation technologies.

With advanced laboratories, research-focused activities, and strong technical guidance, the department nurtures competent engineers capable of meeting the challenges of modern industries, research organizations, and emerging technology sectors.

## Career Opportunities

- Communication Systems
- Embedded Systems
- Microprocessors & Micro controllers
- VLSI & Circuit Design
- Wireless Communication
- Signal Processing
- IoT & Automation Technologies

## Career Opportunities

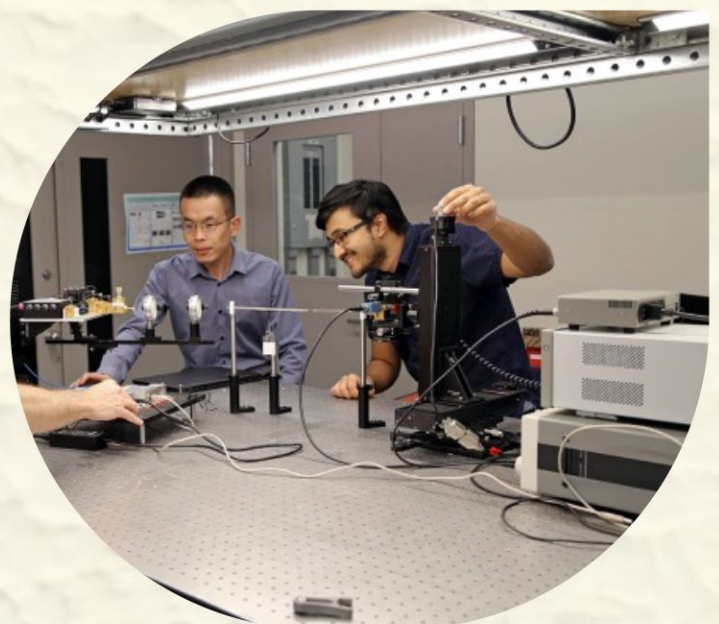
- Electronics Design Engineer
- Embedded Systems Developer
- Communication Systems Engineer
- VLSI Design Engineer
- IoT Engineer
- RF & Signal Processing Engineer
- Research & Development Engineer

## Laboratories & Facilities

- Advanced Electronics Laboratories
- Microprocessor & Microcontroller Lab
- Communication Engineering Lab
- Simulation & Circuit Design Facilities

## Student Activities & Associations

- ECTRA Department Association
- Technical Festivals & Workshops
- Project Exhibitions & Innovation Activities
- Research & Skill Development Programs



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical & Electronics Engineering at JIT is dedicated to providing quality engineering education and application-oriented training in electrical systems, electronics, automation, and energy technologies. The department focuses on developing technically skilled professionals capable of contributing to modern industries and sustainable technological advancement.

The department provides comprehensive learning in electrical machines, power systems, power electronics, industrial automation, renewable energy systems, embedded technologies, and control systems through a balanced combination of theoretical instruction and hands-on technical training.

With modern laboratories, project-oriented learning, and industry interaction activities, the department nurtures innovation, leadership qualities, and professional ethics among students while preparing them for careers in core industries, automation sectors, smart technologies, and research domains.

## Core Areas

- Electrical Machines & Power Systems
- Power Electronics
- Industrial Automation
- Renewable Energy Systems
- Embedded Systems & Robotics
- Control Systems

## Career Opportunities

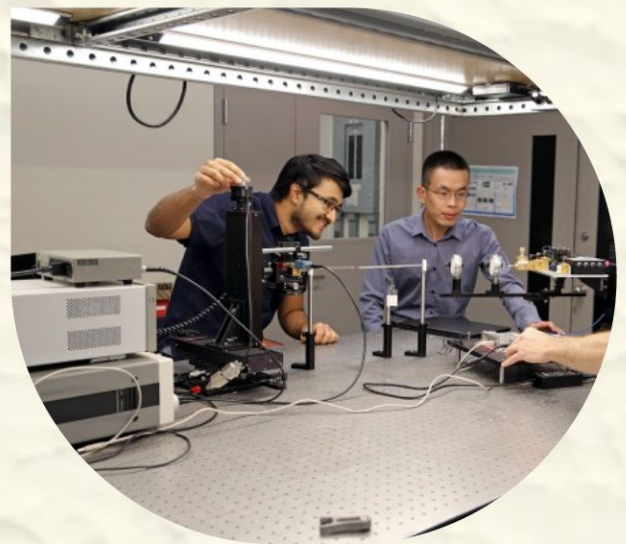
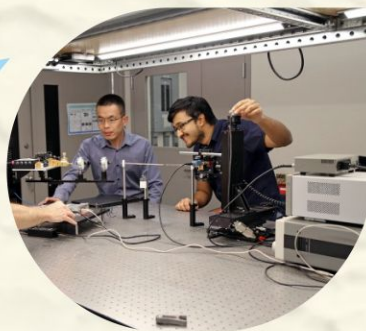
- Power Systems Engineer
- Automation Engineer
- Electrical Design Engineer
- Renewable Energy Specialist
- Robotics Engineer
- Industrial Systems Engineer

## Laboratories & Facilities

- Electrical Machines Lab
- Power Electronics Lab
- High Voltage Engineering Lab
- Control Systems Laboratory

## Student Activities & Associations

- EEETA Department Association
- Industrial Visits & Technical Workshops
- Project Development Activities
- Technical Seminars & Skill Development Programs



# DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering at JIT is committed to delivering quality engineering education through modern infrastructure, technical training, and industry-oriented learning methodologies. Mechanical Engineering remains one of the core branches of engineering that combines creativity, analytical thinking, and technical expertise to develop innovative solutions for modern industries.

The department focuses on academic excellence, research, and skill development in areas such as manufacturing technology, thermal engineering, CAD/CAM, robotics, automation, renewable energy, and product design. Through advanced laboratories, workshops, industrial exposure programs, internships, seminars, and project-based activities, students gain both theoretical knowledge and practical engineering competence.

Supported by modern technical facilities and innovation-driven learning environments, the department prepares students to become competent engineers, innovators, researchers, and industry professionals capable of contributing effectively to manufacturing, automobile, aerospace, energy, robotics, and emerging industrial sectors.

## Core Areas

Thermal Engineering  
Manufacturing Technology  
CAD/CAM & Product Design  
Robotics & Automation  
Fluid Mechanics  
Renewable Energy Systems  
Production Engineering

## Career Opportunities

- Design Engineer
- Production Engineer
- Automobile Engineer
- CAD/CAM Engineer
- Robotics & Automation Engineer
- Industrial Systems Engineer

## Laboratories & Facilities

- CAD/CAM Laboratory
- Thermal Engineering Lab
- Fluid Mechanics Lab
- Production Engineering Lab

## Student Activities & Associations

- ATOM Department Association
- Technical Workshops & Seminars
- Internship & Industry Exposure Programs
- Project Exhibitions & Innovation Activities



## CAMPUS FACILITIES

- Smart Classrooms
- High-Speed Wi-Fi Enabled Campus
- Modern Laboratories
- Seminar & Conference Halls
- Central Library & Digital Learning Resources
- Innovation & Research Support
- Sports & Recreation Facilities
- Transportation Facilities
- Placement & Career Guidance Cell

## PLACEMENT & CAREER DEVELOPMENT

JIT provides dedicated placement assistance and career development programs to help students become industry-ready professionals.

## Placement Support Includes

- Aptitude & Soft Skill Training
- Resume Building Sessions
- Mock Interviews & Group Discussions
- Internship Assistance
- Industry Interaction Programs
- Career Guidance & Mentorship

The institution actively collaborates with industries and organizations to enhance student employability and professional exposure.

## INNOVATION & ENTREPRENEURSHIP

JIT promotes innovation, creativity, and entrepreneurship through:

- Innovation & Entrepreneurship Development Centre (IEDC)
- Startup Mentorship Programs
- Project Development Support
- Technical Innovation Challenges
- Research Activities & Hackathons

Students are encouraged to develop innovative ideas and transform them into practical solutions and entrepreneurial ventures.

## BUILD YOUR FUTURE WITH JIT

At JIT, education goes beyond classrooms and textbooks. The institution is committed to shaping confident professionals, innovative thinkers, responsible leaders, and socially committed citizens equipped to meet the challenges of the modern world.

With industry-oriented programs, advanced laboratories, innovation-driven learning, strong placement support, and a vibrant campus environment, JIT provides students with the ideal platform to transform their passion into a successful career.

Whether your dream is to become an engineer, innovator, researcher, entrepreneur, or technology leader, JIT empowers you with the knowledge, skills, values, and opportunities needed to achieve your goals and create a meaningful impact on society.

Join JIT and become part of a dynamic academic community where innovation meets excellence, learning inspires leadership, and future careers begin.

**“Engineering Futures Through Innovation and Excellence”**

# COURSES OFFERED

## B-Tech in

1. Artificial Intelligence and Machine Learning (CSE)
2. Biomedical and Robotic Engineering
3. Civil Engineering
4. Computer Science and Engineering
5. Electronics and Communication Engineering
6. Electrical and Electronics Engineering
7. Mechanical Engineering

## Diploma in

1. Civil
2. Computer
3. Electronics and Communication
4. Electrical
5. Mechanical



## *Our Specialities*

**Industry- Oriented Training**  
**Experienced faculty**  
**Modern Labs & Workshops**  
**Placement Assistance**  
**Affordable Fees**

# B.TECH CAMPUS PLACEMENTS 2026



**AALVIN JOSE**  
CSE



**ABHI S**  
EEE



**ABHINAND**  
CSE



**ABHIRAM S G**  
CSE



**ABHISEK B AJITH**  
CE



**ABHISEK R SEN**  
ECE



**AISWARYA S**  
CSE



**AKSHAYA DEVI S S**  
CSE



**ANCY S**  
CE



**ANCY MOL V**  
CSE



**ANEESH KUMAR V**  
CSE



**ANJANA S S**  
CSE



**ANJU PRASAD**  
CSE



**ANUPAMA**  
CE



**ARJUN R**  
CSE



**ARUN KUMAR J**  
CSE



**DEEKSHITH D**  
EEE



**GAUTHAM MAHENDRAN**  
CSE



**HANNA S**  
CSE



**HARIKRISHNAN S**  
ME



**HEPZIBA S E**  
EEE



**JESLIN B S**  
CSE



**JOANN WILLIAM**  
CSE



**LEKSHMI L**  
CSE



**NANDAN KRISHNA**  
EEE



**NANDHU B L**  
EEE



**NATASHA JOICE**  
CSE



**NAVANEETH A S**  
CSE



**NAVANEETH P**  
CSE



**NAYANA KRISHNA**  
EEE



**PAUL S GILL**  
ME



**RUHEN R J**  
CSE



**SIVANARAYAN V S**  
CSE



**SHIVANI BHADRA**  
ECE



**SHEHA JOHN**  
CSE



**SONA S RAJ**  
CSE



**SONA SALINS**  
CE



**ANGELENE  
ROSE ANTONY**  
CSE



**SONA V SHAJI**  
CSE



**VISHNU PRIYA**  
ECE



**AMAL KRISHNA D N**  
CSE



**ANAND**  
ECE



**ANANDU B VIJAY**  
ECE



**MANJIMA**  
CSE



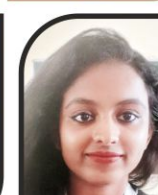
**MIDHU B R**  
CSE



**NANDA ANIL**  
CSE



**ANISHKA A V**  
CE



**JODIL SARODA J D**  
CE



**BINEESH B**  
CSE



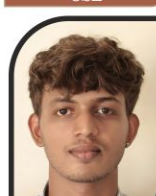
**BOBY SHIBU THOMAS**  
CSE



**CHAITHANYA A S**  
CSE



**SAJU R**  
ECE



**SARIN SAJEEV**  
CSE



**SIDHARTH V**  
CSE

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Inauguration

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2026  
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## **COURSES OFFERED**

- B.Tech Artificial Intelligence & Machine Learning (CSE)
- B.Tech Biomedical & Robotic Engineering
- B.Tech Civil Engineering
- B.Tech Computer Science & Engineering
- B.Tech Electronics & Communication Engineering
- B.Tech Electrical & Electronics Engineering
- B.Tech Mechanical Engineering

**College Bus facility available  
Separate Hostel for men and women available**