

B.Tech. (Electrical & Computer)

Department of Electrical Engineering

Empowering the Future of Technology

The Department of Electrical Engineering is committed to preparing students for the challenges and advancements in Electronics, Electrical, Communication, and Computer Engineering. Through a dynamic and well-structured curriculum, we aim to equip students with a versatile skill set, enabling them to thrive in both industry and academia.

Why Choose Our Program?

- **Comprehensive Curriculum:** Our courses are designed to provide a holistic understanding of both Electrical and Computer Engineering, bridging the gap between hardware and software in various applications.
 - **Industry-Aligned Education:** We have introduced several new courses in response to current global industry trends, ensuring our students are equipped with the latest knowledge and skills.
 - **Versatile Skill Set:** Graduates are prepared to adapt to evolving technology and industry trends, making them valuable in a wide range of professional roles.
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Program Highlights

- **Core Areas of Focus:**
 - **Computer Engineering**
 - **Electronics & Electrical Engineering**
- **Specialized Courses:**
 - **Data Structures & Algorithms**
 - **Artificial Intelligence & Machine Learning**
 - **Computer Organization & Architecture**
 - **Cyber Security**
 - **Power Electronics & Machine Drives**
 - **Control Systems**
 - **SCADA & Smart Grid Technologies**
 - **Microcontrollers & Applications**
- **Elective Courses:**
 - **Cyber-Physical Systems**
 - **Cloud Computing**
 - **Deep Learning**
 - **Power System Automation**
 - **Advanced Protective Relays**
 - **Embedded Systems**
- **Optional Minors:** Students can choose to earn minors in other disciplines within the Faculty, broadening their academic and professional horizons.

Career Opportunities

Graduates from our program are well-prepared to pursue a variety of career paths, including:

- **Cyber Security:** Enhance the security of computing systems and communications networks.
- **Software Development:** Expertise in software development and computer programming to provide innovative solutions
- **Embedded Systems Engineering:** Develop and optimize embedded systems for various applications.
- **Control Systems Engineering:** Work with smart grids, autonomous mobile systems, and industrial control systems.
- **Industrial Engineering:** Design and manage complex systems in sectors like energy, manufacturing, and transportation.

State-of-the-Art Facilities

- **Advanced Laboratories:** Our labs are equipped with cutting-edge technology for hands-on learning in areas like AI/ML, control system, power electronics, microcontrollers, and smart grid technologies.
- **Research Opportunities:** Students have the chance to work on innovative projects, often in collaboration with industry partners, preparing them for future challenges.

Advisory Board for Course Curriculum (from Academia and Industry)

- **Prof. Amit Prakash Singh**
University School of Information, Communication & Technology,
Guru Gobind Singh Indraprastha University, New Delhi
- **Mr. Javed Beg**
Vice President, Cyber Solve, Noida
- **Mr. Azam Beg**
Principal Cloud Engineer, Oracle, Bengaluru
- **Mr. Naved Iqbal,**
CEO, Wipro Water, Mumbai

Join Us Today!

Embark on a journey to become a qualified engineer capable of making significant contributions to the fields of Electrical and Computer Engineering. With our program, you'll gain the knowledge and skills necessary to lead in the development of secure, efficient, and innovative systems.

Apply Now and take the first step toward a bright future in engineering!