



## CSE(IoT, Cyber Security including Block Chain Technology)

The rapid advancements in **Computer Science and Engineering (CSE)**, particularly in **IoT, Cybersecurity, and Blockchain Technology**, are revolutionizing industries by enhancing connectivity, security, and decentralization. In the **IoT domain**, the integration of **AI and machine learning** is enabling smart automation, while **5G and edge computing** are improving data transmission speeds and reducing latency. Security enhancements, including **blockchain-based data protection** and advanced encryption, are making IoT devices more resilient to cyber threats. In **Cybersecurity**, the adoption of **Zero Trust models**, AI-driven threat detection, and **ransomware mitigation strategies** are becoming essential to protect digital assets. Meanwhile, **Blockchain Technology** continues to disrupt traditional systems with the expansion of **Decentralized Finance (DeFi)**, **NFT applications beyond art**, and **supply chain transparency**. The combination of **Blockchain, Cyber security and IoT** is fostering **secure device-to-device communication**, preventing data tampering, and enhancing transparency in industries such as **healthcare, finance, and logistics**. As these technologies continue to converge, they pave the way for a future driven by **automation, security, and decentralization**, making it imperative for businesses and professionals to stay ahead of the curve.



### Job Opportunities:

The Cybersecurity, IoT (Internet of Things) and Blockchain Technology field presents diverse career opportunities like security analyst, Chief information security officer, Cyber security architect, and security engineer. IoT developer, IoT Architect, IoT Embedded Systems Designer, IoT test Engineer, IoT Systems Administrator, Blockchain Developer, Blockchain solution Architect, Block chain software Engineers, Computer science Engineers and R&D Engineers.

### Lab Infrastructure

- Programming Lab
- IoT Lab
- Design and Analysis of Algorithms
- Operating Systems Lab
- Database Management Lab
- Internet Programming Lab
- Cyber Security Lab

### About the Department:

The Department of CSE (IoT & Cyber Security including Blockchain Technology) is started for the year 2024-2025. The Department has well experienced team of faculty members and it is well equipped with advanced computers with latest softwares and IoT kits. The department possess multimedia projection facility, interactive smart boards and Wi-Fi enabled Internet Facility. The Department has close association with the industries to organize training and improve placements to equip the students to meet the industrial standards.