

Learning Outcomes

Cloud Computing and Internet of Things (IoT) Engineering is the study of designing, developing, and operating intelligent systems that integrate cloud-based infrastructures with connected devices and data-driven technologies. Graduates gain knowledge of the technical, analytical, and security aspects of cloud and IoT systems, and apply this foundation to broader applications in modern industries. The Department offers a B.Eng in Cloud Computing and IoT Techniques Engineering that equips students with skills in programming, cloud infrastructure, data analysis, and cybersecurity. Additionally, the program provides essential support to interdisciplinary fields such as healthcare, agriculture, transportation, smart cities, and digital governance. The curriculum and learning experiences are designed to prepare students for professional engineering careers, graduate studies, industry innovation, and contributions to digital transformation across multiple sectors. A graduate of the Department of Cloud Computing and Internet of Things Techniques Engineering is a qualified technical engineer capable of designing, building, maintaining, programming, and operating systems based on cloud computing and IoT technologies. The graduate is expected to be:

Outcome 1

Graduates will be able to identify, formulate, and solve complex engineering problems, and design IoT-cloud solutions with network, communication, and wireless technologies.

Outcome 2

Graduates will be able to analyze IoT data, apply AI/ML techniques, and extract insights for data-driven decision-making.

Outcome 3

Graduates will be able to develop and integrate software solutions for cloud and IoT platforms using appropriate tools and frameworks.

Outcome 4

Graduates will be able to design and implement real-time IoT solutions using embedded systems, automation platforms, and wireless communication networks.

Outcome 5

Graduates will be able to apply cybersecurity best practices to safeguard IoT-cloud systems.

Outcome 6

Graduates will be able to evaluate and apply emerging technologies to create innovative solutions for industry and research.

Outcome 7

Graduates will be able to communicate effectively, collaborate in teams, and demonstrate ethical responsibility.

Outcome 8

Graduates will be able to engage in continuous learning and research to adapt to technological advancements and contribute to innovation