

Department: Computer Science & Engineering Designation: Assistant Professor
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Educational Qualification:

B.E./B.Tech in Computer Science & Engineering / Information Technology.

M.E./M.Tech in CSE/IT or relevant specialization with First Class.

Ph.D. preferred as per AICTE and MAKAUT norms.

Core Teaching Areas:

The faculty member should be capable of teaching the following subjects prescribed in the MAKAUT CSE syllabus:

Second Year Course:

Data Structures & Algorithms

Computer Organization

Analog & Digital Electronics

Discrete Mathematics

Computer Architecture

Formal Language & Automata Theory

Design & Analysis of Algorithms

Engineering Economics & Management

Third Year Course:

Database Management Systems (DBMS)

Operating Systems

Software Engineering

Computer Networks

Object-Oriented Programming

Artificial Intelligence

Microprocessors & Microcontrollers

Computer Graphics

Information Theory & Coding

Emerging Areas:

Machine Learning

Data Science

Cloud Computing

Cyber Security

Internet of Things (IoT)

Full Stack Development

Python Programming

Advanced Algorithms and Computing Technologies

Key Responsibilities:

- Deliver lectures, tutorials, laboratory sessions, and project supervision.

- Prepare lesson plans, course files, question papers, assignments, and evaluation reports.
- Guide students in internships, projects, placements, and research activities.
- Publish research papers, patents, and pursue sponsored research projects.
- Participate in NBA, NAAC, AICTE, and MAKAUT accreditation activities.
- Organize FDPs, workshops, seminars, coding competitions, and hackathons.
- Undertake departmental administration, mentoring, and academic coordination.
- Establish industry-academia collaboration and consultancy activities.

Desired Technical Skills

- C, C++, Java, Python
- Data Structures & Algorithms
- DBMS (MySQL, Oracle, SQL Server)
- Operating Systems (Linux/Windows)
- Computer Networks
- AI/ML and Data Analytics
- Cloud Platforms (AWS, Azure, GCP)
- Git, GitHub, and Software Development Tools

Experience

- **Fresh M.Tech candidates may be considered for entry-level positions.**
- Teaching, research, industry, or academic administration experience preferred.
- Experience in Outcome Based Education (OBE), NBA/NAAC documentation, and project guidance will be an added advantage.

Job Specification

Criteria	Requirement
Qualification	B.Tech + M.Tech in CSE/IT
Preferred Qualification	Ph.D. in CSE/IT
Core Subjects	DSA, DBMS, OS, CN, COA, FLAT, AI
Programming Languages	C, C++, Java, Python
Research	Publications, Patents, Funded Projects
Accreditation Exposure	AICTE, NBA, NAAC, MAKAUT
Industry Exposure	AI/ML, Data Science, Cloud, Cyber Security