



Contact

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School of Computer, Information
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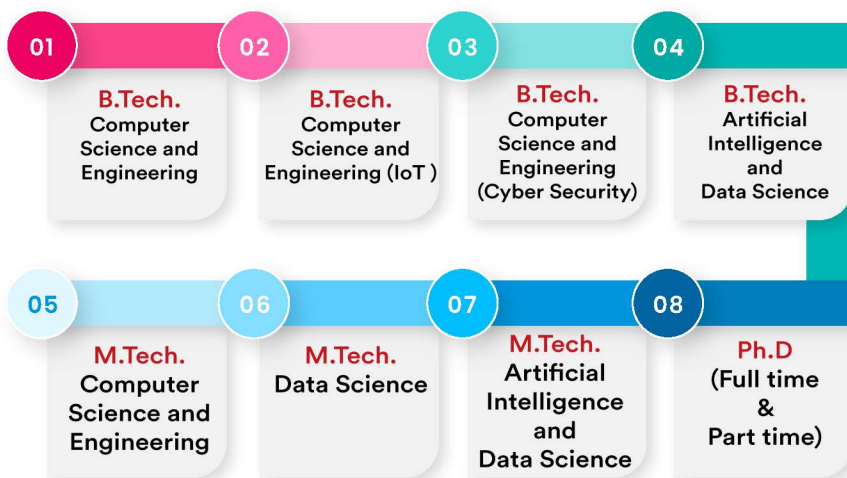
Department of Computer
Science and Engineering

**Minor Degree - Block Chain
Admissions Open
2022-2023**

B.S. Abdur Rahman Crescent Institute of Science & Technology, is an institution acclaimed throughout India for its quality in teaching and research for the past thirty - seven years. It aims at providing value - based education by imparting practical training, knowledge and skills, on the journey towards technical excellence.

The Department of Computer Science and Engineering was established in the year 1990. Over the past few years, the department has acquired national and international importance. The following Major and Minor degree Programmes are currently offered by the department

Major Degree Programmes



Minor Degree Programmes



Highlights of the Department of Computer Science and Engineering

- Established in 1990 (31+ Years of Excellence)
- Accredited by NBA
- Association with IBM
- Innovative and Outcome based teaching-learning process
- Highly qualified & Experienced faculty
- Publications in high impact journals
- Academic collaboration with industries
- ICT Enabled Class rooms
- Wi-Fi Campus
- TCS self-service for students
- State of the art laboratories
- Well-equipped digital library
- Good placement record in reputed industries
- Opportunities for internship/training in reputed IT industries

About the Programme

A block chain is a increasing list of records, called blocks, linked using cryptography. Each block contains a cryptographic hash of the previous block, a timestamp, and transaction data (generally represented as a Merkle tree). By design, a block chain is resistant to modification of its data. This is because once recorded, the data in any given block cannot be altered retroactively without alteration of all subsequent blocks.

For use as a distributed ledger, a block chain is typically managed by a peer-to-peer network collectively adhering to a protocol for inter - node communication and validating new blocks. Although block chain records are not unalterable, block chains may be considered secure by design and exemplify a distributed computing system with high Byzantine fault tolerance. The block chain has been described as "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way".

The individual usage of block chain is increasing since 2016. Some of its applications includes crypto currencies, smart contracts, Financial services, video games, energy trading, supply chain, health care, etc.

Eligibility

All the B.Tech students of the following departments are eligible to register for the Programme

- Mechanical Engineering
- Aeronautical Engineering
- Polymer Engineering
- Automobile Engineering
- Civil Engineering
- Biotechnology
- Electrical & Electronics Engineering
- Electronics & Instrumentation Engineering

Highlights of the Programme

- The Programme enables the students to acquire knowledge on latest cutting edge technologies like Block chain along with their major programme.
- Block chain is one of the demanding technologies in future and thus students have high growth roles in leading technology companies.
- The Programme provides in-depth knowledge on Block chain skills and its working process.

Salient Features of Curriculum

- The curriculum includes the core concepts of Block chain technology that are commonly used across multiple industries to solve large-scale problems.
- Also it enables to learn about Bitcoin and its workings in business environment.
- The curriculum is framed in collaboration with industry standards to meet the future industry requirement in Block chain technology.
- The course covers topics like, Technological and Cryptographic Elements in Block chain, Block chain Platforms, Block chain Applications, limitations, Opportunities and Challenges of Blockchain and Legal Regulations for Block chain.

Career Opportunities

- Block chain Developers have lot of job opportunities in organizations with a Block chain Technology.
- Their Career opportunities include Block chain Developer, Block chain Architect, Block chain Consultant
- The Block chain Developer can work in Supply Chain, eCommerce, Banks, Telecom, FMCG, Manufacturing and other domains.
- The developers can start their own business world-wide with the acquired knowledge in Block Chain.

