B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

37 YEARS OF ACADEMIC EXCELLENCE

School of Computer, Information and Mathematical Sciences

A+ NAAC | NBA NATIONAL BOARD OF ACCREDITATION 20 programmes | nirf 150 - 200 | THE WORLD UNIVERSITY RANKINGS Top 200 | QS WORLD UNIVERSITY RANKINGS 451 - 500 | QS India University Rankings 2020 81-85 | STARS RATED FOR EXCELLENCE 4 Stars | QS I-GAUGE DIAMOND Diamond | E-Lead

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Department of Computer Science and Engineering

B.Tech. CSE (Internet of Things)
Admissions Open 2021-2022

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.

Highlights of the Department of Computer Science and Engineering

- Established in 1990 (31+ Years of Excellence)
- Accredited by NBA
- Association with IBM
- Choice Based Credit System (CBCS)
- 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

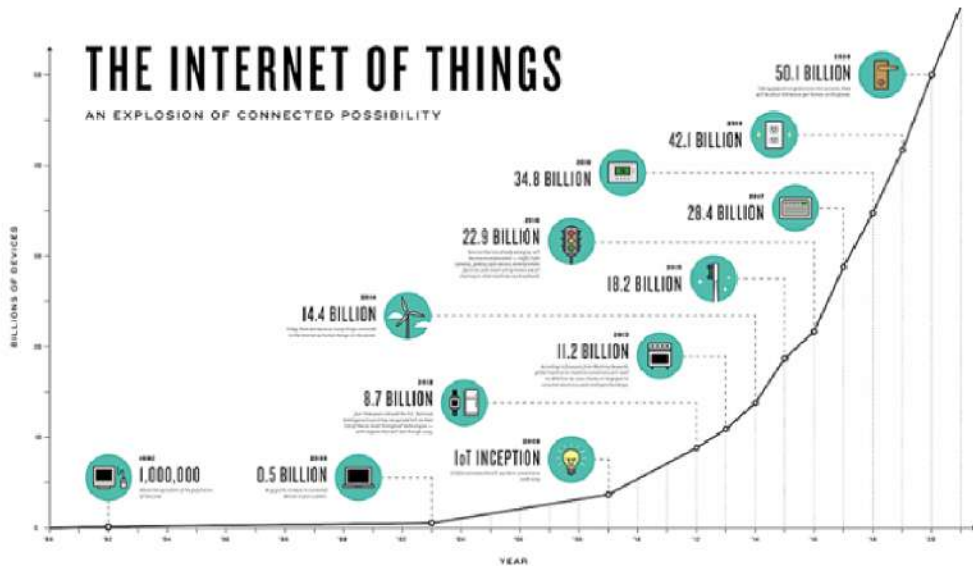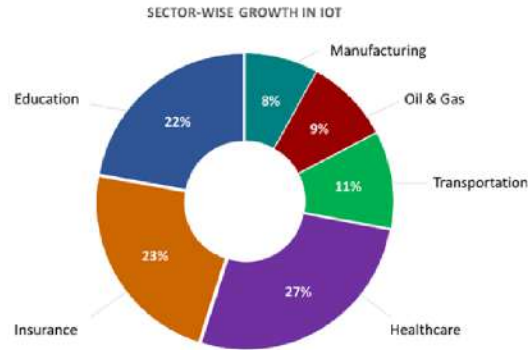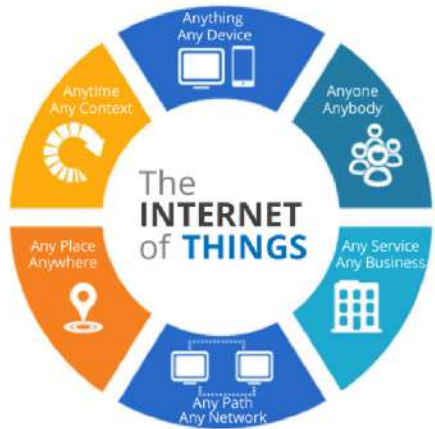## Highlights of B.Tech. CSE (IoT)

- Internet of Things (IoT) is one of the most recent innovations in the field of Computer Science & Engineering.
- B.Tech CSE (Internet of Things) is designed to educate the students to solve real-life multi-disciplinary problems that exist in society.

- The programme aims to train students with systematic professional knowledge and strong practical skills in the fields of computer technology communications network and it provide a wide range of applications in the Internet of Things.
- This distinctive user-friendly program provides real-world industry experience, practical lab courses and exposes students to embedded systems & circuits for developing interoperable applications.
- This course focuses on getting the right blend of aptitude and attitude to the candidate for jobs and higher learning or to become a successful entrepreneur and a respectable citizen.
- The programme helps the students to develop their ability to evaluate design paradigms, languages, algorithms, and techniques used to create complex software systems. They also learn to evaluate and respond to opportunities for developing and exploiting new technologies.

Salient features of the curriculum

- The programme equips students with strong skills for sensor network design and network planning for IoT.
- The programmeobjectives to train the students with strong fundamentals of IoT Architecture and the applications of IoT in various fields like health care, industry, agriculture, energy grid etc.
- The programme aims to train the students to be equipped with in-depth knowledge in the future technologies like Artificial Intelligence, Machine Learning, Blockchain Technology, Big Data Analytics along with IoT.
- Industry oriented curriculum and elective courses are framed to meet the industry needs.
- Lab integrated theory courses are introduced to provide hands-on experience to the students.

- **Skill based education to master the students in problem solving to enhance their expertise in the field of IoT.**

SECTOR-WISE GROWTH IN IOT

- Manufacturing 8%
- Oil & Gas 9%
- Transportation 11%
- Healthcare 27%
- Insurance 23%
- Education 22%

THE INTERNET OF THINGS
AN EXPLOSION OF CONNECTED POSSIBILITY

- 1,000,000
- 0.5 BILLION
- IoT INCEPTION
- 8.7 BILLION
- 11.2 BILLION
- 14.4 BILLION
- 18.2 BILLION
- 22.9 BILLION
- 28.4 BILLION
- 34.8 BILLION
- 42.1 BILLION
- 50.1 BILLION

Career Opportunities

- IoT/Cloud Software Developer
- System Programmer
- IoT Infrastructure Architect
- Application Programmer
- Engineering Design
- IoT Systems Administrator
- Instrument Engineer
- Test Engineer
- Embedded Engineer
- Material Specialist
- IoT Embedded System Designer
- IoT Security Expert
- IoT Technical Support Engineer
- IoT Applications Developer
- Engineers with IoTspecialization can become entrepreneurs

Top Recruiters for IoT Professionals