38 YEARS OF ACADEMIC EXCELLENCE

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

Department of Electronics & Communication Engineering

Offers

Minor Degree in Internet of Things (IoT)

Admissions Open 2022-2023

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A+ NAAC

NBA NATIONAL BOARD OF ACCREDITATION
10 Programmes
Tier-1

nirf
2021
Engg:112
Univ: 151-200

THE IMPACT RANKINGS
SDG 6&7: Top 200
SDG 4: Top 400

QS WORLD UNIVERSITY RANKINGS
QS Asia University Ranking 2022
601-650

E-Lead

QS I-GAUGE DIAMOND
Diamond

ARIIA ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS
BAND EXCELLENT

Salient Features of ECE Department

- Established in the year 1994 (27 +Years of Excellence)
- B.Tech Programme Accredited by NBA
- Highly Qualified and Experienced Faculty
- MOU Signed with many leading core industries and International Institutions
- Well equipped industry supported laboratories and ICT Enabled Class Rooms
- Involved in the design of first reusable and live image transmission satellite named CrescentSAT (Crescent Satellite)
- Continuous Alumni Interaction and Good placement record

About IoT Minor Degree Programme

- The Internet of Things (IoT) Technology describes the network of physical objects—"things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet and it has become very popular in the present era of digital communication and networking
- Almost all fields of IT sector and manufacturing industries adopting IoT technology to automate and control different processes
- IoT cuts across different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, smart home, smart city, connected cars, M2M, 5G communications etc
- Acquiring specific skills and receiving minor degree in the IoT will greatly attract the employers across the Globe

Eligibility

First Year B.Tech students from Mechanical Engineering / Aeronautical Engineering / Automobile Engineering / Civil Engineering / Electrical & Electronics Engineering / Electronics & Instrumentation Engineering Computer Science Engineering / Information Technology / Polymer Engineering/Biotechnology

Prerequisites

Basic understanding of programming concepts

Course Highlights

- Laboratory Integrated Courses
- Curriculum designed according to current IT market
- Smart Laboratory with modern equipments
- Interaction with Industry Experts

Course Content

- Fundamentals of IoT and its ecosystem
- Sensors and IoT Hardware platforms
- Networking, Cloud with IoT
- Mobile app and Middleware for IoT
- AI and Machine Learning for IoT Applications
- Industrial IoT

Career Opportunities

- Enormous opportunities for IoT specialists in leading industries like Nokia, Honeywell, Cisco, Altran , Infosys, Wipro, Robert Bosch, IBM, Samsung etc
- IoT/Cloud Software Developer
- Data Analytics
- IoT Infrastructure Architect
- IoT Systems Administrator
- IoT Test Engineer
- Embedded Programs Engineer
- IoT Network Security Engineer
- Entrepreneur