B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956
An ISO 9001:2015 Certified Institution

Let's begin the journey of building a successful career in the World of Opportunities... Join and Explore for a Progressive Future!

37 YEARS OF ACADEMIC EXCELLENCE

ACCREDITED WITH GRADE A+ NAAC

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

B.Tech. Electrical and Electronics Engineering

Admissions Open 2021 - 22

The Department of Electrical and Electronics Engineering was established in the year 1984. The Electrical and Electronics Engineering programme is accredited by NBA. The various programmes offered by the Department are

- **B.Tech. (Electrical and Electronics Engineering) with optional Minor degrees in**
  - Artificial Intelligence & Machine Learning
  - Blockchain
  - Cyber Security
  - Data Science
  - Internet of Things (IoT)
  - Sensor Technology
  - Virtual and Augmented Reality
  - Robotics
  - 3D Printing
  - GIS and Remote Sensing
  - Computational Biology
- **M.Tech. (Power Systems Engineering)**
- **Ph.D. (Part time / Full Time)**

The Department has well qualified faculty members with specializations in Power System, Electrical Machines, Power Electronics, Control System, Applied Electronics, Embedded Systems and Bio Medical Instrumentation.

The Department is equipped with the state of the art laboratories such as Electric Circuits and Electronic Devices Lab, Electrical Machines Lab, Power System Simulation Lab, Power Electronics Lab, Industrial Automation Lab, PCB Fabrication Plant, Control Systems Lab, Measurements & Instrumentation Lab, Mini High Voltage Lab and Special Machines Lab.

FEATURES OF OUR CURRICULUM

- Cater to the needs of the Industry, curriculum and syllabus is designed with inputs from experts from IIT, industry experts and stakeholders
- Lab Integrated Courses and Project Based Learning to realize experiential learning
- Choice Based Learning, Professional Electives & Open Electives
- Self-Learning course as a pre-requisite for Project Work
- Mandatory Industrial Internship
- Career Building, Soft Skills and Aptitude Training Courses
- Credit transfer from NPTEL / MOOC / SWAYAM courses

HIGHLIGHTS OF THE PROGRAMME

- Value added courses such as
  - **Programming & Commissioning of Industrial Robotics**
  - **Artificial Intelligence with Machine Learning**
  - **Transmission and Distribution Design**
  - **Arduino**
  - **Python Programming**
  - **ETAP for power system studies**

  are offered by affiliate faculty from foreign universities and experts from industry

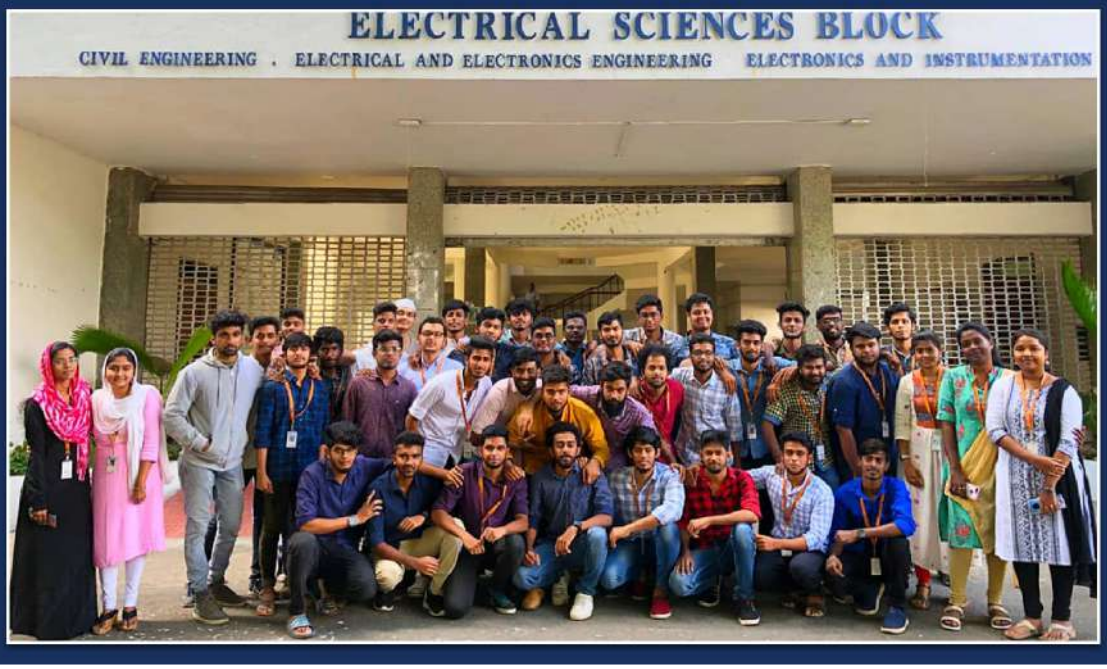
- Guest lectures, Industrial Visits, Training Programmes & Conferences on state of the art technologies
- Workshops conducted regularly in the areas of Power System Design, Solar and Wind Power Technologies, Artificial Intelligence, Python Programming, Internet of Things, Power Electronic Drives for Electric Vehicles and Raspberry Pi in Machine Learning
- Department of EEE offers training in the industry standard software such as MiPower, EUROSTAG, CYME, MATLAB, PSCAD, AUPOWER, EMTP, ETAP, PSIM, MAGNET, LabView and ANSYS

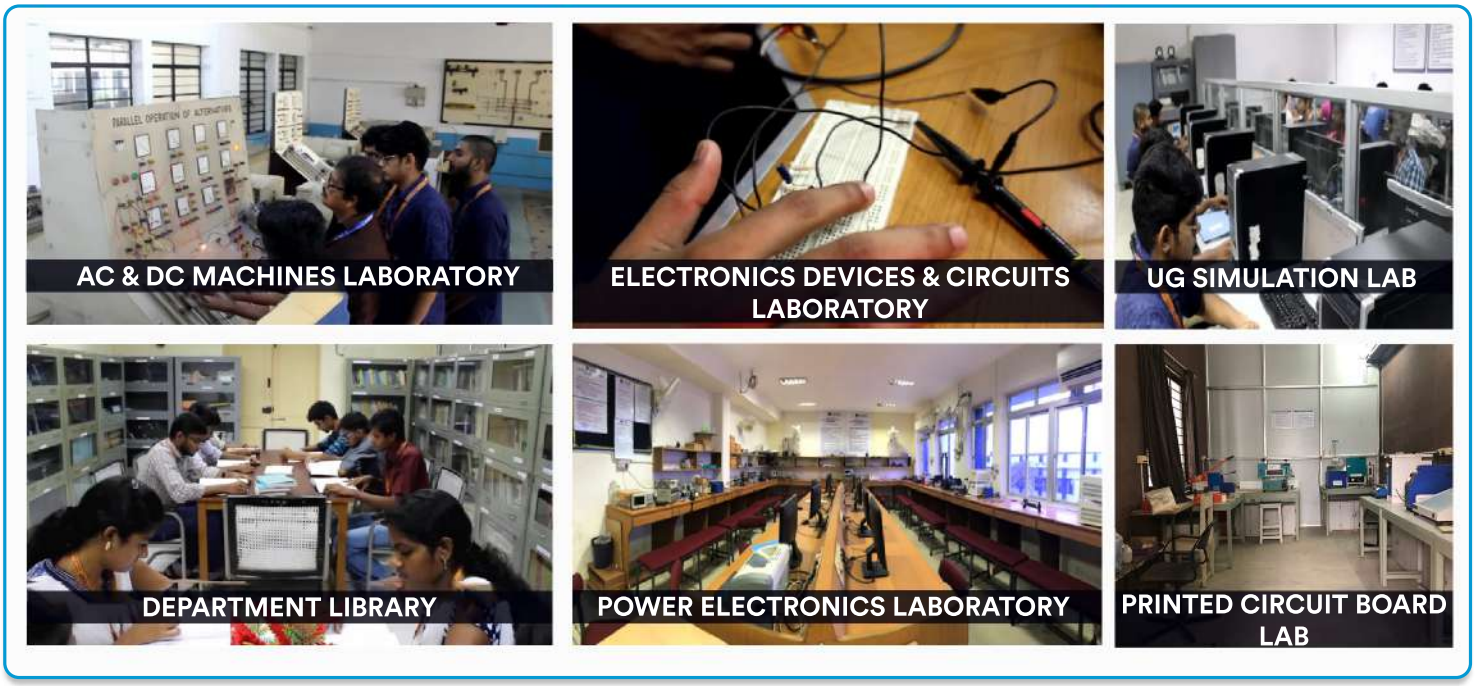
CAREER OPPORTUNITIES

- Electrical & Electronics engineers can work in wide range of fields such as power generation, electronics, computers & control systems, telecommunication, bio - medical, Computer Science and Engineering etc.
- The scope of employment of Electrical and Electronics Engineering programme includes the following sectors
  - Public Sector : TANGEDCO, TANTRANSCO, ONGC, PGCIL, IOCL, POSOCO, NTPC, BHEL, HPCL, GAIL, SAIL, CIL, ISRO, MTNL
  - IT Sector: Infosys, TCS, Wipro, Cognizant, Techm, Amphosis and so on
  - Core companies: Schneider Electric, ABB, General Electric, Siemens, Honeywell, Robert Bosch, NTPC, ONGC, DVC, Mahindra & Mahindra, Essar, Godrej & Boyce, L&T, NHPC, Reliance and many more
- EEE Engineers can apply for the technical posts in Navy, Alirforce, Forest Department, Railways and can also apply for IAS, IPS, CDS and AFCAT exams

Overall employment of Electrical and Electronics Engineers is projected to grow by 7 percent from 2016 to 2026 as fast as the average for all Professions. The need to upgrade the nation's Power Grid will also create demand for electrical engineering services.

The developments in the fields such as electric vehicle technology, renewable energy systems, power electronics applications, smart-grid, micro-grid, automation and IoT create many job opportunities and research possibilities for electrical engineers.





A+ NAAC

NBA NATIONAL BOARD OF ACCREDITATION
20 programmes

nirf
150 - 200

THE WORLD UNIVERSITY RANKINGS
Top 200

E-LEAD
E- Lead

QS WORLD UNIVERSITY RANKINGS
451 - 500

QS India University Rankings 2020
81 -85

QS STARS RATED FOR EXCELLENCE 2018
4 Stars

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FOR ADMISSIONS CONTACT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Mrs. S. Jennathu Beevi, Assistant Professor (Sr.Gr.)

Email : jennathu.beevi@crescent.education, Mobile : +91 99626 17483

Dr. A. Paramasivam, Assistant Professor

Email : paramasivam.eee@crescent.education, Mobile : +91 98437 80801

Dr. R. Zahira, Assistant Professor

Email : zahira@crescent.education, Mobile : +91 98415 33808

To Know more about Department Scan QR

Merit based scholarship available