

**37** 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

An ISO 9001:2015 Certified Institution



**DEPARTMENT OF ELECTRICAL  
AND ELECTRONICS ENGINEERING**

**M.Tech. Power Systems Engineering**

**Admissions Open 2021 - 22**

The Department of Electrical and Electronics Engineering was established in the year 1984. The programme B.Tech. Electrical and Electronics Engineering is currently accredited by NBA and M.Tech. Power Systems Engineering programme has been accredited three times in past. 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, Electric 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.

### **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 studiesare 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 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

## FEATURES OF M.TECH. POWER SYSTEMS ENGINEERING 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 courses to realize experiential learning
- Choice Based Credit System, Professional Electives & Open Electives
- Self-Learning course as a pre-requisite for Project Work
- Mandatory Industrial Internship
- Mandatory value added and MOOC courses
- Credit transfer of NPTEL / MOOC / SWAYAM courses

## RESEARCH HIGHLIGHTS (LAST 5 YEARS)

Description	Scopus	WoS
h-index	16	12
No. of Citations	987	560
Highest SNIP	4.351	12.11
Average Impact Factor	0.591	1.274

No. of faculty publications : 158

No. of Student (UG/PG) publications : 70

Patents : 04 (Published) & 01 (Filed)

## Prominent Alumni



**Mr. Selvam Chandran**  
Batch (2002 - 2004)  
Design Consultant,  
EBERGO PROJEKT ENTEL LTD  
DOHA, QATAR



**Dr. Arunachalam Sundaram**  
Batch (2002 - 2004)  
Assistant Professor,  
Jubail Industrial College,  
Kingdom of Saudi Arabia



**Dr. B. Vidhya**  
Batch (2009 - 2011)  
Senior Engineer,  
Electrical Motor Design  
VJ core Pvt. Ltd, Pune



**Dr. T. Adhinarayanan**  
Batch (2002 - 2004)  
Lead Electrical Engineer,  
Petro Fac,  
Qatar



**Ms. Malavika Kolavedu**  
Batch (2003 - 2005)  
Senior Lead System Engineer,  
General Electric,  
France



**Ms. U.T. Tamil Arasi**  
Batch (2003 - 2005)  
Assistant Executive Engineer,  
(Electrical) (TANSIDCO),  
Chennai



**Ms. X. Anitha Celine**  
Batch (2004 - 2006)  
Assitant Executive Engineer,  
Tamilnadu Generation &  
Distribution Corporation Ltd,  
(TANGEDCO)



**Mr. M. Balasubramaniam**  
Batch (2004 - 2006)  
Engineering Manager,  
Power Transmission & Distribution  
(International Division)  
Larsen & Toubro Ltd, Chennai

## OUR PRESTIGIOUS ALUMNI ARE IN


## ELIGIBILITY FOR M.TECH POWER SYSTEMS ENGINEERING PROGRAMMING

B.E./B.Tech.-(EEE / ECE / EIE / I&C / Electronics / Instrumentation) as per UGC norms.



## FOR ADMISSIONS CONTACT

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### Mr. C. Athbel Joe

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### Dr. Y. Mohamed Shuaib, Head of the Department,

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To Know more about Department

Scan QR



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