

# ELECTRICAL & ELECTRONICS ENGINEERING



**NAAC**



**INDUSTRY  
INTEGRATED  
INSTITUTION**

**INDUSTRY ASSOCIATES**



**BUILDERS**  
ENGINEERING COLLEGE

ESTD. 2009

**COUNSELLING CODE**

**2656**



# Electrical Engineering @ BEC!

Electrical engineers design, develop and test electrical devices and equipment including communication systems, power generators, motors, navigation systems and electrical systems for automobiles and aircraft. They also oversee the manufacture of these devices, systems and equipment.

## Why Electrical Engineering?

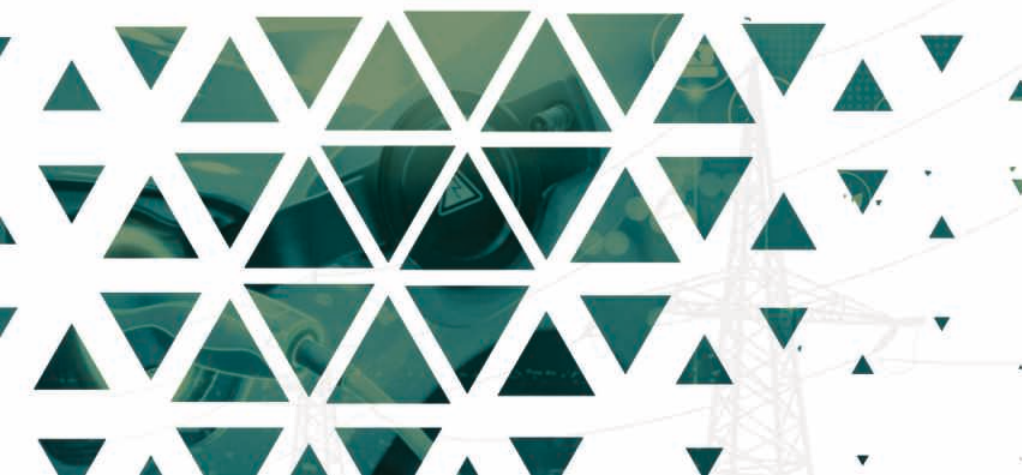
- Electrical Engineers are in Demand.
- Global Opportunities.
- Multi disciplinary job opportunities.
- It's the Forefront of Future Technologies.

## About Electrical & Electronics Engineering

- The Department of Electrical and Electronics Engineering was started in the year 2010.
- It offers BE Programme in tune with the syllabi of Anna University.
- The department aims to develop electrical engineers who are innovative, entrepreneurial and equipped to become global leaders in research and technology.
- The department has well qualified faculty members who are specialists in the fields of Power Electronics and Drives, VLSI Design, Applied Electronics, Control & Instrumentation.
- The faculty team includes doctorate serving for the betterment of the students.
- The department has well equipped laboratories and innovation center.
- The department provides an environment to students in such a way that they will be able to understand the core concepts including Electric Circuits, Electrical Machines, Electromagnetic Fields, Control & Instrumentation, Analog & Digital Electronics, Power Electronics & Drives and Power Systems.

## Electrical Maintenance

- High Tension supply from TANGEDCO, with 630 kVA distribution transformer.
- 250 kVA, 125 kVA & 25 kVA GenSet power backups.
- Installed 200 kW hybrid inverter for uninterrupted power supply in the campus for 24 hrs.
- In KGI campus Electrical Power management has been maintained by EEE department in all aspects.





## Inplant Training

- NSURE Energy
- JASCON Energy Systems (P) Ltd., Trichy
- TANGEDCO
- Electron Power Systems, Erode
- Salem Steel Plant
- Coral Rewinding India Pvt.Ltd.,
- Ponni Sugars Pvt.Ltd.,
- Caliber Embedded Technologies
- Inglo, Coimbatore

## Internships



& More

## Industrial Visits

- NSURE Energy
- JASCON Energy (P) Ltd.,
- Inglo, Coimbatore.
- Kannan Devan Tea Estate, Kerala.
- Mankulam Power House, Kerala
- Manna Choclates, Kerala
- ISRO, Trivandrum.
- Swelect Energy Systems (P) Ltd., Idapadi.

## Laboratories



M/s. NSURE Energy

M/s. S.S. Natarajan and co.,



M/s. JASCON Energy Pvt. Ltd., Trichy.

M/s. CALIBER Embedded Technologies India Pvt. Ltd., Salem.



M/s. INGLO, Coimbatore.

M/s. Mega Tech Scientific Instruments, Coimbatore.



M/s. Saradha Skill Academy, Coimbatore.

M/s. STEPS Knowledge Services Pvt. Ltd., Coimbatore.



M/s. MERITON Switchgears Pvt. Ltd., Erode.



## Innovation Center - KGI's TECH CENTER



**Features:** The Center is created separately inside the campus to cater the need of Skill development Training, Projects and research in the upcoming areas of Automation, IIOT, E-Mobility, Electrical, Electronics and IT sectors.

**Benefits:** A separate center for Students, Staff Members, Unemployed Graduates and Working Professionals to upgrade their skills set for better future.

### Facility Available

- Electric Vehicle and E mobility
- Electrical Machines
- EV Retrofit & Service Center
- Renewable Energy Systems
- Battery & Energy Storage Systems
- Industrial Automation & Drives
- IIoT
- Industry 4.0
- IoT based Project Development
- Home Appliances Trouble Shooting & Servicing.

## Value Added Courses

- Basic Electronics Design & Simulation
- Home Appliances Trouble Shooting & Servicing
- Electrical CAD – Level I & II
- IoT based Product Design
- IIoT & Industry 4.0
- E - Vehicle and Energy Storage System
- Industrial Automation & Drives
- LabVIEW
- MATLAB



# ALUMNI TESTIMONIALS



**S. Suresh**  
MEP Engineer  
L & W Construction Private Limited.

Completed B.E. degree successfully at Builders Engineering College. I got good technical family in EEE to enrich my knowledge. All faculty members, friends & family members supported to complete my degree successfully and got placed in L&W.



**R. Naveen**  
Associate Engineer  
Cognizant Technology Solutions

It was really a great experience studying at Builders Engineering College where I was able to learn and enhance my skills. I am thankful to all the faculty members and department who supported me throughout four years. I had a lot of opportunities for placements then I got placed in Cognizant as Programmer Analyst Trainee.



**V. Sandhiya**  
Associate Consultant  
Capgemini Tech Services India Limited, Bangalore

I studied B.E. – Electrical and Electronics Engineering at Builders Engineering College, Nathakadaiyur, Kangeyam where they have gave immense support in academic as well as placement career. Gratitude is a simple word and not enough for the Knowledge which I got from my faculties and my friends during those college days. Being born in a Middle-Class family, I would say that I got into a college where my fee structure wouldn't made my family to stop my studies. And due to all the Training and classes, I have got moulded and placed into an IT Firm & now I have become an independent to support my family and myself. The College provided good transport facilities at a low fare and the lab facilities are well-equipped safely with the latest technologies. Overall, I had a great experience in learning & getting high level knowledge in a well-organised manner.



**V. Bhuvana**  
Associate-Projects  
Cognizant Technology Solutions India Pvt. Ltd.,

The place where I found my skills and goals towards my Future with the help of the quality faculties and pleasant environment. The greatest person can be identified in limelight but the greatest person can be created with motivation and guidance. Personally I feel my college is the best place for success.

## Our Prestigious Recruiters

Highest Package  
**10 LPA**

accenture	JASCON ENERGY	Amphisoft	Atos Syntel	Capgemini	cognizant	DATA PATTERNS	DECATHLON	Dhyan	GoDB Tech
hp	HEXAWARE	HCL	Infosys	InfoView TECHNOLOGIES	MALLOW TECHNOLOGIES	maventic	odessa	PAYODA	QUALITEST software testing experts
SmartDV	tcs TATA CONSULTANCY SERVICES	Tech Mahindra	ITESSOLVE A Hero Electronix Venture	Vernalis RESEARCH	virtusa POLARIS	vuram	VVDN TECHNOLOGIES	wipro	ZOHIO

## Alumni at MNCs



**V. Sharmily**  
Senior Engineer - Control Tech Support  
Signify innovation Ltd., Pune by  
Cooper Lighting solution



**M. Vivekkumar**  
Electrical Engineer  
Winstar group of companies,  
Doha-Qatar.

## Facilities @ BEC



ADMISSIONS HELPLINE

**77081 82824 | 89033 32656 | 94889 72082**

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