



B.S. Abdur Rahman[®]
Crescent
 Institute of Science & Technology
 Deemed to be University's 3 of the UGC Act, 1956

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

B.Tech.
Electrical and
Electronics Engineering



Grade



2025
 Innovation: 11-50
 Engg: 151-200
 Pharm: 101-125



2025
 SDG 4: 23 | SDG 6: 40
 SDG 7: 32 | Overall: 101-200



2026 Overall
 India: 98 | World: 1501+
 Subject Ranking
 Engineering: 1001-1250
 Computer Science: (1000+)



2026:
 Asia: 721-730
 Sustainability:
 Asia: 481 | India: 58



Tier-I
 B.Tech: Aero, Auto, Polymer,
 ECE, CSE, IT, Civil, Mech,
 Bio.Tech, EIE
 M.Tech: Structural &
 Biotech, MBA

MESSAGE

FROM THE DEAN (SECS)



Dr. C. Tharini
Professor & Dean (SECS)

» Welcome to the School of Electrical and Communication Sciences (SECS) at B.S. Abdur Rahman Crescent Institute of Science and Technology. We offer quality education in electrical, electronics, communication, and instrumentation engineering through our B.Tech, M.Tech, and Ph.D. programs.

Our dynamic learning environment combines academic rigor with practical experience, preparing students for the evolving tech industry. SECS has strong industry ties, with MoUs signed with Jasmin Infotech, Nokia Solutions, ASTA Innosys, NexHS, and Edveon, enabling cutting-edge research and skill development.

With advanced facilities, dedicated faculty, and active student chapters of professional bodies like IEEE, IDREA, IETE, and IE, provide excellent opportunities for networking, skill development, and career advancement.

We take pride in shaping future engineers and researchers who will contribute meaningfully to society. I invite you to explore our programs, engage with our faculty, and be a part of this transformative academic journey.

MESSAGE

FROM THE HoD



Dr. S. Jennathu Beevi
Associate Professor & HOD

» Welcome to the Department of Electrical and Electronics Engineering (EEE), where innovation and excellence shape future engineers. Our program blends strong technical fundamentals with emerging technologies like AI, IoT, and renewable energy. With experienced faculty, advanced labs, and industry collaborations, we ensure hands-on learning and career readiness. Join us to explore limitless opportunities and drive technological advancements.



Unique Features of the Programme



NBA Accredited
Programme



100% Placement
Opportunities for eligible
Students



Credit Transfer from
MOOC-NPTEL/SWAYAM
courses



Unique Professional
Elective Streams



Mandatory Industrial
Internship



Well Qualified Faculty
Members, Affiliate faculty



Active Professional Society
Student Chapters of IEEE.
SEEE & IDREA and specialized
clubs such as crescent energy
club, IGEN Ensav club etc.



Industry Standard
licensed Software



MoU with Industries and
International Institution

Minor Degree Programmes Offered for **Electrical and Electronics Engineering (EEE) Students**

- 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



INFRASTRUCTURE FACILITIES LABORATORIES



ELECTRICAL MACHINES LABORATORY



SPECIAL MACHINES LABORATORY



ELECTRONIC DEVICES AND
CIRCUITS LABORATORY



ELECTRIC VEHICLE LABORATORY



POWER ELECTRONICS LABORATORY



UG SIMULATION LAB



MEASUREMENTS AND
INSTRUMENTATION LABORATORY



CONTROL SYSTEMS LABORATORY



PLC AND AUTOMATION LABORATORY



PRINTED CIRCUIT BOARD LAB

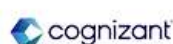


DEPARTMENT LIBRARY



RENEWABLE ENERGY LAB

INTERNSHIP





INDUSTRY INTERNSHIP

PLACEMENT COMPANIES

MoU with Industries and International Institution



Mando Automotive India Pvt. Ltd., Chennai December 2017



OHM Energy Management Sys. Pvt. Ltd Chennai March 2020



NeXHS Renewable Systems , IIT Madras research Park, Guindy, 25th Nov 2024



ALUMNI VOICE



Mr. Vinit Kumar

Denvik Technologies Private Limited (Batch 2020-2024)

The Electrical and Electronics department boasts top-notch lab facilities, with labs being constantly active. From lab assistants to professors, everyone is incredibly encouraging and continuously motivates us to aim higher. The department fosters a very friendly and supportive environment, helping us grow and develop in the best possible way.

Mr. Mohana Balajee

Bharat FIH Limited (Batch 2020-2024)

I graduated from the BSAU EEE department in 2024. During my B.Tech., I found the department's lab facilities to be outstanding. The staff was always supportive and cooperative. Most importantly, the campus placement opportunities were excellent as well.



Mr. Ganesh Kumar

Qualcomm (Batch 2020-2024)

Being part of the EEE department at BSACIST has been an incredible opportunity and a great fortune. The faculty and department go above and beyond to ensure a fantastic learning experience, offering valuable exposure to the outside world. A heartfelt thanks to the entire faculty and department for their unwavering support.

Shams Tabrez Hussain.A

Caterpillar (Batch 2021-2025)

Our university campus is renowned for its stunning beauty, surrounded by lush greenery. The faculty in the EEE department are highly supportive, offering excellent guidance for both offline and online digital learning.



Prominent Alumni



Dr. Gowri B Aiyar
Consulting Director,
UK Region,
Western Labs
(Batch 1984-88)



Mrs. Rizwana
Executive Engineer
(South Andaman Division),
PORT BLAIR.
(Batch 1994-98)



Mr. Shamil Razack
Venture Capitalist,
Business Strategy &
Consultancy
Professional
UAE (Batch 1998-02)



Mr. Shakeer Meeran
Energy Consultant, Partner Founder
Skylights Energy, Vice Chairman
COSMA Karnataka, MSEE (Batch 1999-03)



Mr. Gughan Narasimhan
Data Analyst, England
(Batch 2017-21)

STUDENTS VOICE



Varshini M

IV Year EEE

Crescent has provided me with inspiring and dynamic professors who have played a crucial role in helping me develop the skills necessary to progress in my career.

Mohammed Ashfaq Khan M

IV Year EEE

EEE is all about electricity—how it powers everything from everyday gadgets to power plants and machinery. However, the most valuable lesson I have gained from my university is the confidence that I am equipped with the essential knowledge in my chosen field.



Gandham Nikitha

III Year EEE

Studying in the EEE department at Crescent University has been a rewarding journey. The curriculum is well-structured, and the professors are always willing to help. The hands-on labs and workshops have given me a deeper understanding of the concepts.

Ujjawal Runda

III Year EEE

Crescent University is a hub of knowledge and learning. I enjoy studying here because it offers excellent opportunities and strong support from the faculty. The faculty members are always approachable and highly supportive.



Akshaya Lakshmi M

II Year EEE

I feel incredibly fortunate to be a part of the EEE department at B.S. Abdur Rahman Crescent Institute of Science and Technology. It is undoubtedly one of the best departments in our college, and I consider it a pivotal decision in my life.

Vasisht Ganeshan

II Year EEE

Our university campus is renowned for its stunning beauty, surrounded by lush greenery. The faculty in the EEE department are highly supportive, offering excellent guidance for both offline and online digital learning.





EV Lab – Empowering Future Engineers

- A dedicated EV Lab established in 2023, equipped with the latest tools and technologies for electric vehicle research and development
- Hands-On Learning: Master EV systems with experiments on motor control, battery management, and CAN Bus protocols.
- Industry-Ready Skills: Design drive circuits, optimize energy usage, and analyze EV performance.
- Future-Focused: Gain expertise in cutting-edge EV technologies, preparing you for careers in electric mobility and innovation.

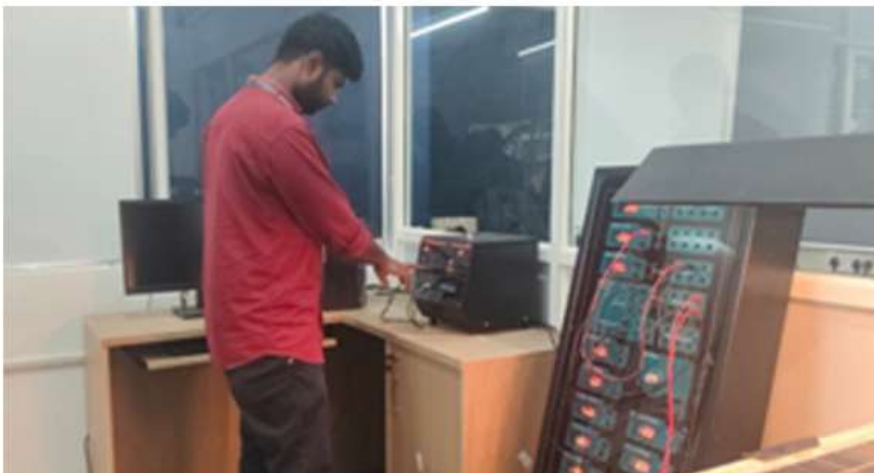


Renewable Energy Laboratory

Innovate & Explore: "Generate Clean Energy, Design Smart Systems, Transform the Future"

- The Renewable Energy Lab, established in 2025, is equipped with cutting-edge facilities to facilitate research and development in solar and wind energy technologies.

- **Experimental Setup:** Features advanced Solar PV and Wind Energy training systems for practical learning and live demonstrations.
- **Experiential Learning:** Enables students to carry out experiments on PV behaviour, MPPT methods, wind turbine operation, and energy conversion techniques.
- **Design & Performance Evaluation:** Provides exposure to developing standalone and hybrid renewable systems, along with power flow and efficiency analysis.
- **Career-Oriented Approach:** Prepares students with in-demand skills in sustainable energy systems, smart grids, and green technologies.
- **Innovation-Driven Environment:** Encourages analytical thinking, hands-on experimentation, and real-time system evaluation.
- **Research & Development Focus:** Supports work on advanced MPPT strategies, high-efficiency power converters, and intelligent energy management solutions.



RESEARCH FACILITIES

Yokogawa WT1800E High-Performance Power Analyzer

Description:

Yokogawa WT1800E High-Performance Power Analyzer

- WT1806E-5A0-50A6-HEB/G5/MTR
- Voltage range – 1000V
- Current range – 50A
- Six phase power meter with Harmonic function, Motor Evaluation function and calibration certificate



Features of Smart Power Electronics Converter Board

- Performance Testing for Converter Design
- Energy Efficiency and Power Factor Correction (PFC) Evaluation



OPAL-RT delivers real-time and faster-than-real-time simulation platforms that empower engineers to test, validate, and refine complex control systems with confidence



ADMISSIONS CONTACT

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