

Laboratory Glimpses



POWER ELECTRONICS
LABORATORY



ELECTRICAL WORKSHOP



POWER SYSTEMS
LABORATORY



SYSTEMS & CONTROL
LABORATORY



ELECTRICAL MACHINES
LABORATORY



MEASUREMENTS & INSTRUMENTATION
LABORATORY

Achievers



Yedu Krishnan, CEO,
Abtens Private Limited,
Trivandrum, (START UP)



Megha Jayakumar,
University of Sheffield,
UK, 2018



Priya J Lopez,
MSc Electrical Power Engineering
University of Greenwich, 2021



Rahul M K
Solar Powered Wheelchair with Voice Control for Physically Challenged People,
The Institution of Engineers (India), 2023



Karthik S M



Rahul G S

Placements



Malavika Padmakumar
Allianz Cornhill Information Services
Trivandrum, 2020



Muhammed Jessin Nishan Jalal
Condition Monitoring Inspector
Aries Marine Services, UAE, 2021



Gopika G H
Insemi Technology Service Pvt Ltd
Bangalore, 2022



Arun Kumar R S
UST Global
Trivandrum, 2021



Adarsh R S
C.L.L. Distribution & Trading Gas Nokkutha A
UAE, 2022



Abhimanyu M A
TL Technologies
Trivandrum, 2022



Gaurav Gopan
TL Technologies
Trivandrum, 2022



Anil K Cherian
Cognizant
Kochi, 2021



Rahul G S
QSpiders
Trivandrum, 2023



St. Thomas Institute for Science & Technology

College Code: STI

Mar Chrysostom Nagar, Kattaiakonam P.O., Kazhakkootam, Trivandrum 695 584.

Contact us

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For B.Tech 1st year provisional admissions register:
<https://tinyurl.com/2023STISTBTechADMISSIONS>

For B.Tech lateral entry provisional admissions register:
<https://tinyurl.com/2023STISTLETADMISSIONS>

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Department of Electrical & Electronics Engineering (Information Brochure)
Affiliated to APJ Abdul Kalam Technological University, Trivandrum, Kerala
Approved by the All India Council for Technical Education (AICTE)



About the Institute

Set in a picturesque and modern campus of 20 acres, St. Thomas Institute for Science & Technology (College Code: STI), Trivandrum was established in the year 2010 by the Mar Thoma Church Educational Society, who are well known pioneers in the field of education since 1967. The college patron is His Grace The Most Rev. Dr. Theodosius Mar Thoma Metropolitan and the president is Rt Rev Dr Joseph Mar Barnabas Suffragan Metropolitan.

The institute is affiliated to APJ Abdul Kalam Technological University, Trivandrum, Kerala and imparts high quality, affordable education, training, R&D and values to students from all strata of the society. Many of its alumni are employed in leading positions in industry, academia and government in both India and abroad. It's also one of the best student centric campuses in India.

About the Department of Electrical & Electronics Engineering

The Department of Electrical & Electronics Engineering was established in the year 2010. Currently, the department offers 4 year B.Tech course with student intake of 30 & has well qualified & experienced faculty members & support staff. The department has 6 well-equipped state-of-the-art laboratories & a Centre of Excellence in High Voltage Engineering (CoE HVE) to augment the coursework and enhance the research potentials. The department also undertakes many consultancy projects from industry & other organizations. The department has built an excellent reputation for its graduates in terms of placements.

Vision & Mission of the department

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| <p>Vision</p> <p>To emerge as a centre of excellence in the field of Electrical & Electronics Engineering and allied areas, so as to meet the growing needs of the society by molding budding engineers to responsible and competent professionals who can help in the development of the nation.</p> | <p>Mission</p> <ul style="list-style-type: none"> To facilitate quality education with a proportionate blend of theoretical knowledge and practical skills. To instill a passion in the students to utilize the skills acquired by them for meeting the demands of the society, thereby developing the socio-economic state of the nation. To inculcate a sense of responsibility, professional ethics, human values and leadership quality among the students. |
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About the Program & Its Objectives

The educational objectives of the Electrical & Electronics Engineering programme are designed to produce competent engineers who shall:

- PEO1:** To contribute to the technical and economic development of the society by productively contributing to meet the growing demands.
- PEO2:** To enhance and develop the ability of the students to design innovative systems and techniques to meet the requirements of the recent trends in Electrical & Electronics Engineering
- PEO3:** To ensure that professionalism, leadership qualities and a strong sense of responsibility, discipline and ethics are instilled in the students

Eligibility Criteria

For Admission to B.Tech First Year Engineering Course

- Candidates passed in Higher Secondary Examination, Kerala, or equivalent, with Physics & Mathematics as compulsory subjects & Chemistry as one of the optional subject with 45% marks are eligible for admission. If candidate has not studied Chemistry, the marks of Computer Science will be considered. If candidate has not studied Chemistry & Computer Science the marks of Biotechnology will be considered. In case, the candidate has not studied Chemistry, Computer Science & Biotechnology the marks of Biology will be considered.

- For SC/ST/SEBC & PwD quota candidates, minimum marks required for admission shall be 5% less than that of general category.

For Admission to B.Tech Lateral Entry (direct second year) Engineering Course

- Candidates passed three year Diploma Examination in Engineering/Technology (two years in case of Lateral Entry Diploma)/D.Voc. from State Board of Technical Education/Universities or Institutions under Govt. of India, undergoing studies at AICTE approved institutions, with 45% marks in Aggregate (40% in the case of reserved category candidates), are eligible to apply.
- Candidates passed B.Sc. degree examination from an UGC recognized university with 45% marks in Aggregate (40% in the case of reserved category candidates), having passed 10+2 examination with mathematics as a subject are eligible to apply.

Features of the Department

- Centre of Excellence in High Voltage Engineering (CoE HVE)
- ICT based learner centric academic environment
- Industry participation in teaching-learning
- Beyond the curriculum teaching
- Engineering design & innovation projects
- Soft skill, life skill & interdisciplinary electives
- Industrial standard laboratories
- STIST online learning platform & flipped classroom
- Remedial & extra classes for weak students.
- Regular webinars, workshops, hands on training sessions & other technical events on recent technologies.
- Job oriented additional courses: Suryamithra skill development programme (solar PV)
- Project based learning, industrial visits & internships
- Special sessions for competitive exams like GATE, UPSC & KPSC
- Placement training facilities, personality & communication skills development programmes with 100% placement assistance
- IEDC funded project opportunities, start up & incubation support
- Synergy –the department association, coordinates technical & extracurricular activities among students
- Affordable transport facility, Wi-Fi campus, hostel facilities for boys and girls, sanitized, spacious & all-time favorite college canteen

Market & Career Potential

Particulars	Junior/ Entry Level (0-3 Years Exp.)	Middle Level (3 to 8 Years Exp.)	Top Level/ Senior Level (8+ Years Exp.)
Avg. Salary (INR)	(2,40,000-4,80,000)	(5,00,000-8,00,000)	8,00,000+
Government/ PSU	Junior Engineer	Senior Engineer	Executive Engineer
	Assistant Engineer	Engineering Manager	Chief Engineer
Private Sector (AINC's)	Project Engineer	Implementation Engineer	Program & Portfolio Management
	Supervisor	Project Engineer	Operations Manager
	Technical Expertise	Facilities Management Quality Control	Executive Senior Manager
Consultant	Junior Engineer	Program Management	Chief Engineer
	Assistant Engineer	Technical Principal	Global Expert
	Technical Expertise	Corporate Expert	CEO
Education Sector	Assistant Professor	Associate Professor	HoD
		Professor	Dean Director
	Self Employment	Business Start Ups including- Electrical Workshops, Sale Service of Electrical Fittings and Appliances, Contractor	