LABORATORY GLIMPSES

ELECTRICAL WORKSHOP

ELECTRICAL MACHINES LABORATORY

POWER ELECTRONICS LABORATORY

POWER SYSTEMS LABORATORY

MEASUREMENTS & INSTRUMENTATION LABORATORY

SYSTEMS & CONTROL LABORATORY

ACHIEVERS

GOWRI R JOTHISH
TOPPER-S2, 2024

PREETHU P M
TOPPER-S4, 2024

GAYATHRI A S,
TOPPER-S6, 2024

ITHIHAS B H,
BATCH TOPPER-2024

KARTHIK SANKAR,
GATE AIR-17839, 2024

YEDU KRISHNAN
ABTENS PVT. LTD.,
START UP, TVM

AMAN, NANDANA &
ADARSH IEI-INDIA, 2024

ANEES, SIVANARAYAN & AKHIL
IEI-INDIA, 2024

PLACEMENTS

KARTHIK R S
FORBES MARSHALL
PUNE 2025

GAYATHRI A S
FORBES MARSHALL
PUNE, 2025

KARTHIK SANKAR
QSPIDERS, TVM, 2025

ITHIHAS B H
ISRO, TVM, 2024

GREESHITH B M
TRIPHASE, TVM, 2024

JIBIN JOY
GENISYS, TVM, 2024

RAHUL G S
QSPIDERS, TVM, 2023

GOPIKA G H
INSEMI TECH.
BANGALORE, 2022

ADARSH R S
UAE, 2022

ANI K CHERIAN
COGNIZANT, KOCHI, 2021

ARUN KUMAR, UST GLOBAL,
TVM, 2021

CONTACT US

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Department of Electrical & Electronics Engineering
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twitter: stist_tvm
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SCAN & APPLY

ST. THOMAS
INSTITUTE FOR SCIENCE & TECHNOLOGY

Department of Electrical & Electronics Engineering
(Information Brochure)

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Mar Chrysostom Nagar, Kattaikonam P.O.,
Kazhakkoottam, Trivandrum 695 584.
Email: principal@stisttvm.edu.in

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 1966. The college patron is His Grace The Most Rev. Dr. Theodosius Mar Thoma Metropolitan and the president is Rt. Rev. Dr Isaac Mar Philoxenos Episcopa.

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 and Electronics Engineering was established in 2010. It currently offers a 4-year B.Tech program with an intake of 30 students and is supported by a team of well-qualified and experienced faculty members and support staff. The department features six state-of-the-art, well-equipped laboratories and a Centre of Excellence in High Voltage Engineering (CoE HVE), which bolster coursework and foster research opportunities. Additionally, the department actively engages in consultancy projects for various industries and organizations. Over the years, it has built a strong reputation for its graduates, particularly in terms of placements.

About the Program & Its Objectives

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

- PEO1: Graduates shall contribute to the technical and economic development of the society by productively contributing to meet the growing demands.
- PEO2: Graduates design innovative systems and techniques to meet the requirements of the recent trends in Electrical & Electronics Engineering
- PEO3: Graduates shall evolve into professionals with leadership qualities, strong sense of responsibility, discipline and ethics

Vision & Mission of the department

Vision

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.

Mission

- 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.

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

1. Centre of Excellence in High Voltage Engineering (CoE HVE)
2. ICT based learner centric academic environment
3. Industry participation in teaching-learning
4. Beyond the curriculum teaching
5. Engineering design & innovation projects
6. Soft skill, life skill & interdisciplinary electives
7. Industrial standard laboratories
8. STIST online learning platform & flipped classroom
9. Remedial & extra classes for weak students
10. Regular webinars, workshops, hands on training sessions & other technical events on recent technologies
11. Job oriented additional courses: Suryamithra skill development programme (solar PV)
12. Project based learning, industrial visits & internships
13. Special sessions for competitive exams like GATE, UPSC & KPSC
14. Placement training facilities, personality & communication skills development programmes with 100% placement assistance
15. IEDC funded project opportunities, start up & incubation support
16. Synergy –the department association, coordinates technical & extracurricular activities among students
17. 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 (MNCs)		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
Career Opportunities		**Govt./PSU:** PGCIL, NTPC, BHEL, SAIL, HAL, BEL, BEE, NPCIL, Electricity Boards (State & Central), Renewable Energy Sector (MNRE, SECI, IREDA), DMRC, BMRC, BDL, CSIR, CPRI, BSNL, ECIL, INDIAN RAILWAYS, etc. **Education:** Top Universities (MIT, IISc, IIT, IIM), Top B-Schools, Private Universities, R&D organizations **Private Sector/MNC's:** L&T, Siemens, Schneider Electric, ABB, GE, Tata Power, Adani Power, Mitsubishi Electric, Bosch, TCS, Infosys, Wipro, Cognizant, Samsung, Texas Instruments, Reliance, Ericsson, Tesla, Adani Green Energy, Ola Electric, Bosch, Ather Energy etc. **Entrepreneurship:** Start-up companies- Renewable Energy & Smart Power Solutions, Electric Vehicles (EV) & Charging Infrastructure		