

Laboratory Glimpses



MICROWAVE & OPTICAL COMMUNICATION LABORATORY



DIGITAL SIGNAL PROCESSING LABORATORY



ELECTRONICS WORKSHOP LABORATORY



PROJECT LAB



ELECTRONICS CIRCUITS LABORATORY



DIGITAL ELECTRONICS LABORATORY



INDUSTRIAL ELECTRONICS LABORATORY



COMMUNICATION ENGINEERING LABORATORY



MICROCONTROLLER LABORATORY

ACHIEVERS



Students, KSCSTE Techfest, 2022



Project presentation
MBCET-Idukki, 2023



Project exhibition
St. Xavier's college - Trivandrum, 2022



Alvin Moses, 2nd prize
mobile photo contest, GoK, 2022



National conference
institution of engineers - Trivandrum, 2023



Sandra Jelas
"SURAKSHAJALAKAM", 2023

PLACEMENTS



Jijo Johny
TL Technologies, Trivandrum, 2022



Aryalal C
Q Spiders, Trivandrum, 2023



Akshay L S
Palle Technologies, Trivandrum, 2023



Pooja Raj B J
QSpiders, Trivandrum, 2023



Esther J Cherian
Vinlish Technologies, Trivandrum, 2023



Athira Raj R S
Weberfox Technologies, Kochi, 2023



Jyothisha Jayakumar
Weberfox Technologies, Kochi, 2023



Sandra Jelas
Palle Technologies, Trivandrum, 2023



ST. THOMAS INSTITUTE FOR SCIENCE & TECHNOLOGY

College Code: STI

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Trivandrum 695 584.



Contact us

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For B.Tech 1st year provisional admissions register:
tinyurl.com/2023STISTBTECHADMISSIONS

For B.Tech lateral entry provisional admissions register:
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Department of Electronics & Communication 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 Electronics & Communication (E&C) Engineering

The department of Electronics & Communication (E&C) Engineering was established in the year 2010. Currently, the department offers 4 year B.Tech Course with student intake of 30 and has well qualified and experienced faculty members and supporting staffs. The 7 department laboratories are adequately equipped with state of the art facilities. The major goal of the department of Electronics & Communication Engineering is to produce highly knowledgeable, competent and resourceful young engineers who can perform well in a wide variety of job profiles. The department has a Centre of Excellence in MATLAB (CoE MATLAB). The department is actively involved in R&D as well as consultancy projects and has collaborated with several industries, academic institutes and R&D organizations in the country. The Department has built an excellent reputation for its graduates in terms of placements.

Vision & Mission of the department

Vision

To impart contemporary knowledge for engraving competent Electronics and Communication Engineering professionals through relevant practices and inculcating human values to transform the students as potential resources to cater to the industrial and societal development.

Mission

- Provide strong fundamental and technical skills through effective teaching learning methodologies.
- Instil value based technical education by fostering creativity and innovation.
- Inculcate learning and research through collaborations with industry and academia.

About the Program & Its Objectives

The educational objectives of Electronics & Communication Engineering programme are designed to produce competent engineers who are ready to contribute effectively to the advancement of Electronics and communication engineering causes and to accommodate the need of the profession. The graduate shall:

PEO1: Identify, define and solve problems in the field of electronics & communication engineering.

PEO2: Employ necessary techniques and tools for advanced engineering application, engage themselves in research and development and take up higher education.

PEO3: Use their skills in an ethical and professional manner to raise the satisfaction level of the stakeholders

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 MATLAB (CoE MATLAB)
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
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. 'Elexcer' department association, coordinates technical & extracurricular activities among students.
17. IETE Student Forum, professional society chapter exclusively for ECE.
18. 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)	Middle Level (3-8 years)	Top level (8+ years)
Average Salary (INR)	(2,40,000-6,00,000)	(6,00,000-8,50,000)	9,00,000+
Government	Junior Telecom Officer Junior Engineer	Sub Divisional Officer Senior Engineer	Executive Engineer Chief Engineer
Private Sector(MNCs)	Electronics Technician Service Engineer Testing Engineer	Production Engineer Desktop Support Engineer Network Engineer	Senior Manger Program Developer
Education Sector	Assistant Professor	Associate Professor Professor	HoD Dean Director
Self Employment	Start ups including Solar power plant, Electronics Manufacturing etc.		