

LABORATORY GLIMPSES



ELECTRONICS WORKSHOP LABORATORY



ELECTRONICS CIRCUITS LABORATORY



DIGITAL ELECTRONICS LABORATORY



COMMUNICATION ENGG. LABORATORY



DIGITAL SIGNAL PROCESSING LAB.



MICROWAVE & OPTICAL COMM. LAB.

MICROCONTROLLER LABORTAORY



INDUSTRIAL ELECTRONICS LABORATORY



PROJECT LAB

ACHIEVERS



RESHMA JAYAN
TOPPER-S8, 2024



ARATHY M
TOPPER-S6, 2024



SUBAHANA N S
TOPPER-S4, 2024



GOKUL SURESH
TOPPER-S2, 2024



DRAVID R KRISHNA
GATE AIR-11981,
2024



SANDRA JELAS
SURAKSHAJALAKAM
2023



PROJECT
PRESENTATION
MBCET, 2023



SCIENCE QUEST-ASAP
KERALA
1ST PRIZE, 2024



WINNERS DISTRICT
LEVEL
YIP 5.0, 2024

PLACEMENTS



DRAVID R KRISHNA
IPA BANGLORE
2025



DHANYA R L
IPA BANGLORE
2025



ARATHY M
IPA BANGLORE
2025



AMEENA S S
FORBES MARSHALL
PUNE, 2025



HIMA A S
FORBES MARSHALL
PUNE, 2025



GAYATHRI S BABU
FORBES MARSHALL
PUNE, 2025



BHADRA NAIR
QSPIDERS, TVM
2024



AKHIL A R
SHRISTI INNOVATIVE
TVM, 2024



RESHMA JAYAN
GENESYS, TVM
2024



JYOTHISHA J
UST, TVM, 2023

CONTACT US

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SCAN & APPLY



ST. THOMAS INSTITUTE FOR SCIENCE & TECHNOLOGY

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COLLEGE
CODE: STI



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Department of Electronics & Communication Engineering

ACCREDITED BY THE NATIONAL BOARD OF ACCREDITATION (NBA)
(Information Brochure)

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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 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.

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

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

- To provide the finest learning environment possible by combining practice and theory.
- To offer students the chance to do research to address the problems in civil engineering
- To work with industry to address challenges with infrastructure, quality control, and environmental protection.

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. 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 Manager Program Developer
Education Sector	Assistant Professor	Associate Professor Professor	HoD Dean Director
Career Opportunities	Govt/PSU: IES, ISRO, DRDO, NTPC, SAIL, BHEL, BRAHMOS, ONGC, IOCL, BPCL, CIL, BEMIL, AAI, VSSC, LPSC, BEL, INDIAN RAILWAYS, GAIL, STATE & CENTRAL PSU Education: Top Universities (MIT, IISc, IIT, IIM), Top B - Schools, Private Universities, R & D organizations Private Sector/MNC's: ULCCS, ADANI, SAMSUNG INDIA ELECTRONICS, HAVELL'S INIDA, BOSCH INDIA, VOLTAS, SYMPHONY, BLUE STAR, KIMBALL ELECTRONICS, TATA ELECTRONICS, RELIANCE Entrepreneurship: Start up companies, Fabrication plant		

