

LABORATORY GLIMPSES



DIGITAL SIGNAL PROCESSING LAB



MICROCONTROLLER LABORTAORY



INTEGRATED CIRCUITS LABORATORY



DIGITAL SYSTEM DESIGN LABORATORY



DATABASE MANAGEMENT SYSTEMS LAB



COMPUTER NETWORKING LABORTAORY

ACHIEVERS

NEW PROGRAMME COMMENCING IN AUGUST 2026

PLACEMENTS

NEW PROGRAMME COMMENCING IN AUGUST 2026

CONTACT US

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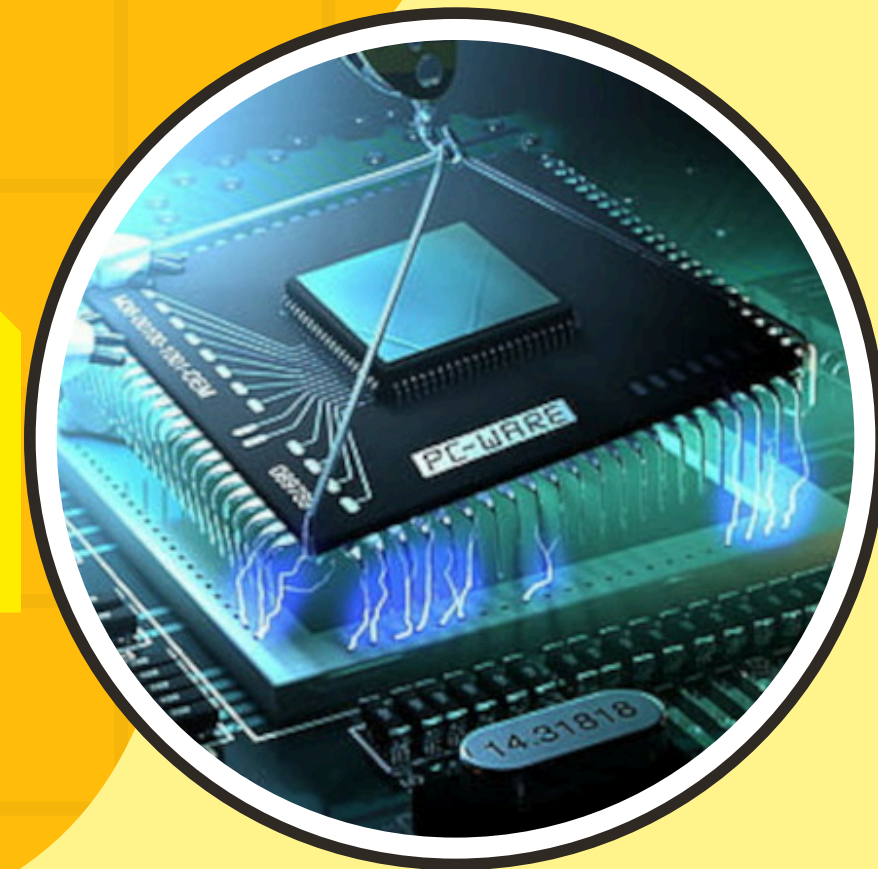
SCAN & APPLY



**ST. THOMAS
INSTITUTE FOR SCIENCE & TECHNOLOGY**

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COLLEGE
CODE: STI



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**Department of Electronics &
Computer Engineering**

(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 & Computer (E&CoE) Engineering

St. Thomas Institute for Science & Technology introduced the B.Tech course in Electronics & Computer Engineering in the year 2026, to train students in the rapidly evolving domains of Electronics & Computer Engineering. This programme functions as an additional specialization under the Department of Electronics & Communication Engineering.

Over the past decade, the Department of Electronics & Communication Engineering has successfully produced industry-ready electronics engineering graduates with excellent academic credentials. The department has consistently attracted top engineering aspirants from across the country and boasts a team of well-qualified and experienced faculty.

Electronics and Computer engineering aims to integrate two separate engineering fields to meet the joint demands of electronics and computer industries in today’s world. The job of an electronics and computer engineer is to identify and recommend system improvements to advance technical performance, conduct system evaluations and make appropriate recommendations to modify designs or repair equipment, define and execute testing and maintenance procedures for electronic software and components, design electronic software and components for commercial applications and inspect electronics to ensure compliance with all applicable regulations and safety standard.

About the Program & Its Objectives

B Tech in Electronics & Computer Engineering is an interdisciplinary programme that integrates Electronics & Computer technologies to meet the growing demand for engineers skilled in hardware-software systems, embedded technologies, IoT, automation, AI, robotics & Industry 4.0 applications. The curriculum provides a strong foundation in Electronics, Communication systems, Computer programming, Data structures, Embedded systems & Computer architecture. Electronics & Computer Engineering programme objectives are structured to develop graduates who shall:

- -PEO1: Build successful careers in Electronics & Computer Engineering by applying knowledge of electronics, computing, embedded systems, and emerging technologies.
- PEO2: Design and develop innovative hardware-software solutions while demonstrating professionalism, teamwork, communication skills, and ethical values.
- PEO3: Engage in lifelong learning, higher studies, research, and entrepreneurship to address challenges in electronics, computing, and intelligent systems.

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. ‘RESONANCE’ 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 Manger 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, BEML, 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, HAVELLLS INIDA, BOSCH INDIA, VOLTAS, SYMPHONY, BLUE STAR, KIMBALL ELECTRONICS, TATA ELECTRONICS, RELIANCE Entrepreneurship: Start up companies, Fabrication plant		

