

LABORATORY GLIMPSES



SURVEY LABORATORY



STRENGTH OF MATERIALS LABORATORY



CONCRETE LABORATORY



TRANSPORTATION ENGINEERING LABORATORY



GEOTECHNICAL ENGINEERING LABORATORY



ENVIRONMENTAL ENGINEERING LABORATORY



CIVIL ENGINEERING SOFTWARE LABORATORY

ACHIEVERS



AKSINA P S
S2 TOPPER, 2024



MOHAMMED MUHSIN M
S4 TOPPER, 2024



SWABIREEN RAZI
S6 TOPPER, 2024



NOUFIYA R
S8 TOPPER, 2024



MOHAMMED MUHSIN M
PM INTERNSHIP
SCHEME, 2024



MAHIMA D
PHD SCHOLAR, 2024



MUHAMMED YOUSUF S
PHD SCHOLAR, IIT-D, 2023



ARYA S
GATE, 2023



PRASANATH, FIROZ, MIDHUN, GOUTHAM
STUDENT PROJECT-FINANCIAL ASSISTANCE
APJAKTU 2024

PLACEMENTS



KARTHIKA P MOHAN
AARBEE STRS.,
BANGALORE, 2025



PRAVEENA S
AARBEE STRS.,
BANGALORE, 2025



THEJA SHAJI
AMEENZ CONST.
TVM, 2025



KRISHNA HARI
AMEENZ CONST.
TVM, 2024



ABHISHEKB S
ROHAN VENTURES
TVM, 2024



JERIN JOSEPH
PRISTINE INFRA AIRPORT AUTHORITY
TVM, 2024



PRASANTH P
AIRPORT AUTHORITY
TVM, 2024



ALI JAFAR J
JACK CONST.
TVM, 2024



MUHAMMED SUBIN,
MINDSIGHTZ EDU.
TVM, 2024



THOMAS ABEL MATHEW
MARTHOMA CAMPUS
TVM, 2024

CONTACT US

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SCAN & APPLY

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ST. THOMAS
INSTITUTE FOR SCIENCE & TECHNOLOGY

COLLEGE
CODE: STI



Department of Civil 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 Civil Engineering

The Department of Civil Engineering was established in the year 2010, initially offering UG (B.Tech) Programme in Civil Engineering. The PG (M.Tech) programme in Geotechnical Engineering commenced in the year 2014. Good infrastructure & facilities coupled with a team of committed, caring & competent staff have made the department one of the preferred choices for aspiring graduates & postgraduates in Civil Engineering. The department has 7 well equipped industry-grade labs to support the academic programs, research & consultancy, ICT classrooms with multimedia facilities & secure Wi-Fi, hi-end computational facilities & a Centre of Excellence in Construction Materials Testing (CoE CMT) that supports the needs of nearby industries. The department specialities include field projects & visits, industrial internships & job oriented courses, dynamic & experienced faculty members, GATE & aptitude classes, student counselling & personality development, entrepreneurship support & extra/co-curricular activities. Classroom to Career (C2C) programs initiated in the department are structured so as to make the students industry-ready & employable. Several events have been organized by the department such as, career guidance activities, workshops on Primavera, Revit Software, Expert talks & the signing of MoUs with industries. Student Chapters of IGS & Civil Engineering Association ("TAEZIZ") are active in organizing seminars, conferences & various technical competitions. Recently the Department of Civil Engineering, St. Thomas Institute for Science & Technology (STIST), Trivandrum in association with the Indian Geotechnical Society (IGS) STIST Student Chapter organized a National Conference "Advancing Sustainability in Civil Engineering Practices – 2024 (ASCP'24)" on 12th April 2024. ASCP'24 delved into multifaceted topics ranging from green infrastructure and resilient design to renewable energy integration and waste management in construction. With a robust participation of more than 120 participants from various engineering colleges across the state, ASCP'24 served as a platform to present papers and insights aimed at fostering sustainable development in the realm of civil engineering. The department undertakes various projects including government projects through the industry attachment cell of APJ Abdul Kalam Technological University.

About the Program & Its Objectives

The UG (B.Tech) Programme in Civil Engineering has an intake of 60 seats and PG (M.Tech) Programme has an intake of 12 seats. Civil Engineering is a discipline highly relevant to society and mankind for its role in infrastructure development, disaster management, mitigation of pollution and protection of the environment. The programme educational objectives of the Civil Engineering program are designed to produce skilled engineers who are ready to contribute effectively to the advancement of the Civil Engineering profession and are ready to handle the challenges of the profession. They shall be able to:

- PEO1: Graduates will understand professional practice issues and demonstrate a commitment to professional licensure.
- PEO2: Graduates will be actively engaged in a professional career as a civil engineer or pursuing advanced study.
- PEO3: Graduates will be able to design safe and strong airports, bridges, dams, harbours and highways that millions of people will use for years.

Vision & Mission of the department

Vision

To be a prominent department that produces civil engineering graduates that have moral character and technical proficiency.

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 Construction Materials Testing (CoE CMT)
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. Student chapter of Indian Geotechnical Society (IGS) & "TAEZIZ" 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 (3-8 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+
Govt/PSU	Entry level Engineer Project Engineer	Senior Engineer Engineering Manager	Executive Engineer Chief Engineer
Private Sector (MNCs)	Project Engineer Site Supervisor Technical Expertise	Implementation Engineer Project Engineer Facilities Management Quality Control	Program and Portfolio Management Operations Manager Executive Senior Manager
Consultant	Entry Level Engineer Project Engineer Technical Expertise	Program Management Technical Principal Corporate Expert	Chief Engineer Global Expert CEO
Education Sector	Assistant Professor	Associate Professor, Professor	HoD, Dean, Director
Career Opportunities	Govt/PSU: ISRO, DRDO, AAI, PWD, NHAI, CWRDM, INDIAN RAILWAYS, ONGC, NATPAC, PMGSY PROJECTS, NTPC, PGCIL etc. Education: Top Universities (MIT, IISc, IIT, IIM), Top B - Schools, Private Universities, R & D organizations Private Sector/MNC's: L&T, Shapoorji Pallouji, Tata Projects, Afcons Infrastructure, Mott MacDonald India, SOBHA Group, ULCCS, Adani Group, Jacobs Engineering, Skysline Builders etc. Entrepreneurship: Business Start-ups including Builder & Developer, Real Estate, Contractor, Valuer, Pre-fabricated & Modular Housing Business, Structural Consultancy, Surveying & Mapping services, Material Testing & Quality Control, Green Building & Sustainability Consulting, Disaster Management & Risk Assessment etc.		