

Laboratory Glimpses



SURVEYING LABORATORY



GEOTECHNICAL ENGINEERING LABORATORY



STRENGTH OF MATERIALS LABORATORY



ENVIRONMENTAL ENGINEERING LABORATORY



CONCRETE TECHNOLOGY LABORATORY



COMPUTER AIDED DESIGN (CAD) LABORATORY



TRANSPORTATION ENGINEERING LABORATORY

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:
<https://tinyurl.com/2023STISTLETADMISSIONS>

FB Page : St Thomas Institute for Science & Technology Instagram: [stistvm](https://www.instagram.com/stistvm)

PLACEMENTS



HARI SANKAR S
India Cements Ltd., Trivandrum, 2022



ASHITHA SURENDRAN
Jr. Engineer, Credible builders & designers, 2022



ADITHYA ROY
India Cements Ltd., Trivandrum, 2022



RESMI S NAIR
Asst. Systems Engineer, TCS, Trivandrum, 2022



S S AKHILDATH
Business Analyst, Kuwait, 2023



GOPIKA B R
Infosys Ltd, Trivandrum, 2022



ARATHY S
Infosys Ltd, Trivandrum, 2022



RAHUL J S
VSSC, Trivandrum, 2022



ATHIRA J S
TL Technologies, Trivandrum, 2022

ACHIEVERS



S MOHAMMED ASLAM
University football team, 2021



SWATHY S
GATE qualified, 2021



PANCHAMI NAIR V R
GATE qualified, 2021



ARYA S
GATE qualified, 2023



S8 students
Institution of Engineers
(India), 2023.



MUHAMMED YOUSUF S
PhD Scholar, IIT-D, 2023



JERIN JOSEPH
C- prize winner-NACTET
GoK & Gol, 2023



St. Thomas Institute for Science & Technology

College Code: STI

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Department of Civil 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 Civil Engineering

The Department of Civil Engineering was established in 2010, initially offering UG (B.Tech) Programme. 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 dept. 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 online webinars & co-curricular activities. Recently the department organized an International Conference on Recent Trends in Construction Materials & Structures (ICCMS-2021) wherein faculty & students from institutions (national & international) contributed their research findings. The department undertakes various projects including government projects through the industry attachment cell of APJ Abdul Kalam Technological University.

Vision & Mission of the department

Vision

To be a prestigious department producing qualified civil engineering graduates, developing noticeable research to render quality professional and community service.

Mission

- To create an ideal atmosphere for learning by integrating theory with practice.
- To provide students with chance to pursue research to find solutions to the challenges in civil engineering.
- To interact with industries in addressing issues concerning infrastructure, quality assurance and environmental protection.

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 24 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:** Apply fundamental technical knowledge and skills to find creative solutions to technological challenges and problems in various domains of Civil Engineering.
- PEO2:** Analyze, design and use skills in order to formulate and solve Civil Engineering problems.
- PEO3:** Practice Civil Engineering in an ethical manner, as an individual or a team member, implementing eco-friendly sustainable technologies.
- PEO4:** Take up higher education and R & D in Civil Engineering and allied areas of science and technology for the benefit of industry and society.

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 subjects with 45% marks are eligible for admission. If candidate has not studied Chemistry, the marks of Computer Science will be considered. If a 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

- Centre of Excellence in Construction Materials Testing (CoE CMT)
- ICT based learner-centric academic environment
- Industry participation in teaching-learning
- Beyond the curriculum teaching
- Engineering design & innovation projects
- Soft skill, life skill & interdisciplinary electives
- Industrial standard laboratories
- STIST online learning platform & flipped classroom
- Remedial & extra classes for weak students.
- Regular webinars, workshops, hands-on training sessions & other technical events on recent technologies.
- Job oriented additional courses
- Project-based learning, industrial visits & internships
- Special sessions for competitive exams like GATE, UPSC & KPSC
- Placement training facilities, personality & communication skills development programmes with 100% placement assistance
- IEDC funded project opportunities, start-up & incubation support
- Student chapter of Indian Geotechnical Society (IGS) & "TAEZIZ" department association coordinates technical & extracurricular activities among students.
- MoUs signed with various industries like: BIMLABS Engineering Services Pvt Ltd., Rajadhani Career Academy For Civil Engineering, Kerala Industrial Infrastructure Development Corporation (KINFRA)
- Affordable transport facility, Wi-Fi campus, hostel facilities for boys and girls, sanitized, spacious & all-time favourite 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
Self Employment	Business Startups including Builder and Developer, Real Estate, Contractor, Valuer etc.		