

Laboratory Glimpses

GEOTECHNICAL ENGINEERING LABORATORY



GEOTEXTILE TESTING LABORATORY



PLACEMENTS



MUHAMMED SHAHANAS
Assistant, Site Engineer, Trivandrum, 2022



ABHISHEK S L
Assistant Engineering Services, Consultant Trivandrum, 2022



AJITH R S
Asst. Prof., St Thomas Institute for Science & Technology Trivandrum, 2022



ARATHY W T
Asst. Prof., St Thomas Institute for Science & Technology Trivandrum, 2022



SRUTHI R S
Asst. Engg. (MIS), Kerala State Power Corp., 2022



RESHMA R
Case Associates, Trivandrum, 2022



L S RAVIHA
Asst. Prof., College of Engineering Retallada Trivandrum, 2022



AJA A S
Asst. Prof., LBS Institute of Technology for Women Trivandrum, 2022

ACHIEVERS



SHEFNA S, 10 SGPA
S1 M.Tech., KTU, 2021



JYOTHI JOSE, joined higher studies
Fanshawe College, Canada, 2021



RESHMA P S
Published a journal paper in IJARSC, 2022



SAJIKA S R
Published a journal paper in IJARSC, 2022



ABHIRAMI S R
Published a journal paper in IJARSC, 2022



SHEFNA S
Published a journal paper in IJARSC, 2022



Sarath & Geethu, 2nd prize
Quiz competition, IGS student's chapter, 2022



M.Tech Students
The Institution of Engineers (India), 2022

Contact us

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Department of Civil Engineering
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For M.Tech 1st year provisional admissions register:
<http://tinyurl.com/2023STISTMTECHADMISSIONS>

FB Page : St Thomas Institute for Science & Technology Instagram: stist.tvm



ST. THOMAS INSTITUTE FOR SCIENCE & TECHNOLOGY

College Code: STI

Mar Chrysostom Nagar, Kattakonam P.O., Kazhakkootam,
Trivandrum 695 584.



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Department of Civil Engineering (Information Brochure – M.Tech)
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 Program & Its Objectives

The PG (M.Tech) Programme provided by the Department of Civil Engineering is Geotechnical Engineering. The PG (M.Tech) Programme has an intake of 24 seats. The normal duration of the M. Tech programme, including the project work, shall be four semesters.

Geotechnical Engineering discipline gives information about the engineering behaviour of earth materials. It uses principles of soil mechanics and rock mechanics.

The Geotechnical Engineering Laboratory has the machines and equipment to conduct various experiments for students to satisfy the academic curriculum. The laboratory helps in identifying the engineering behaviour of geomaterials and byproducts.

This course is supported by Advanced Geotechnical Laboratory which has high-end equipment like a triaxial testing machine, direct shear testing machine, plate load testing machine etc and software for soil modelling.

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. We are proud and happy that the good infrastructure and facilities coupled with a team of committed, caring and competent staff have made the department one of the preferred choices for aspiring graduates and 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 and employable. Many events have been organized in the College such as career guidance activities, workshops on Primavera, Revit Software, Expert talks and the signing of MoUs with the industries. Student Chapters of IGS and Civil Engineering Association ("TAEZIZ") are active in organizing online webinars and co-curricular activities. Recently the department organized an International Conference on Recent Trends in Construction Materials & Structures (ICCMS-2021) wherein faculty and 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.

Eligibility Criteria

For Admission to M.Tech Course

- The applicant must have a minimum of 60% aggregate marks in the engineering degree examination from an institution approved by AICTE. For SEBC (OBC) applicants, a minimum of 54% marks in the Engineering Degree examination is mandatory.
- College will conduct admission from the rank list of DTE, after inviting separate applications and ascertaining the eligibility for admission as per the norms of the university following the statutory reservation policy.

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), 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.		