



AUTONOMOUS

# St. Thomas College of Engineering & Technology

AN ISO 9001:2008 Certified Institution

(Approved by AICTE - New Delhi, Govt of Kerala & Affiliated to APJ Abdul Kalam Technological University)

Kozhuvallur - Chengannur

## STCET Fortnightly e-Bulletin

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## Principal's Message

NASA's SpaceX Crew-11 mission safely splashed down on 15th January morning in the Pacific Ocean off the coast of San Diego, concluding a more than five-month mission aboard the International Space Station. "Their professionalism and focus kept the mission on track, even with an adjusted timeline. Crew-11 completed more than 140 science experiments that advance human exploration. Missions like Crew-11 demonstrate the capability inherent in America's space program—our ability to bring astronauts home as needed, launch new crews quickly, and continue pushing forward on human spaceflight as we prepare for our historic Artemis II mission, from low Earth orbit to the Moon and ultimately Mars." said NASA Administrator Jared Isaacman. During their 167-day mission, the four crew members travelled nearly 71 million miles and completed more than 2,670 orbits around Earth. The Crew-11 mission was Fincke's fourth spaceflight, Yui's second, and the first for Cardman and Platonov. Fincke has logged 549 days in space, ranking him fourth among all NASA astronauts for cumulative days in space.

Another remarkable and extra ordinary achieve net of space exploration. Research conducted aboard the space station advances scientific knowledge and demonstrates new technologies that enable us to prepare for human exploration of the Moon and Mars. Key technical advancements of the flight include:

1) Autonomous Re-entry and Landing (The SpaceX Crew Dragon uses advanced automated, computer-controlled systems to guide the spacecraft through the atmosphere, reducing reliance on manual piloting).

2) Reusable Capsule Technology (The Dragon capsule is designed for reusability, allowing it to withstand the 3,500°F (1,900°C) heat of re-entry multiple times while protecting the crew inside).

3) Advanced Parachute System (The spacecraft utilizes a modernized, parachute-assisted landing system that slows the capsule to approximately 15 miles per hour (25 kph) for a precise, gentle splashdown in the ocean).

4) Rapid Recovery Operations (Following splashdown, specialized recovery teams are able to quickly locate and secure the capsule, with updated procedures allowing for fast, efficient retrieval).

5) Medical Diagnostic Tools (In-space medical capabilities, such as portable ultrasound machines used on the International Space Station (ISS), have become critical for ensuring astronaut health during the journey back to Earth), and so on...

While analysing the mammoth conglomeration of superior technologies we can understand that all such missions in general and space missions in particular are the results of persistent coordination of several technologies from all branches of engineering. Hence, it is crucial that the engineering students shall keep their focus on such demanding technologies and get updated with necessary skills. Our education system shall be effectively utilised in bringing out such breakthrough inventions and technologies.

-Chief editor

### VISION

To be an Institute of repute recognised for excellence in education, innovation and social contribution.

### MISSION

- M1 : Develop, maintain and manage our campus for our stakeholders.
- M2 :Encourage our stakeholders to participate in lifelong learning through industry and academic interactions.
- M3 :Organize socially relevant outreach programs for the benefit of humanity.

# STC-DEKATHON 4.0: AN INDO-MALAYSIAN HACKATHON

St. Thomas College of Engineering & Technology, Chengannur successfully hosted STC-DEKATHON 4.0, an Indo-Malaysian Hackathon Edition, from 22nd to 24th January 2026, marking three vibrant days of innovation, collaboration, and creativity.

The three-day residential programme brought together students, professionals, and innovators from diverse backgrounds, with a strong emphasis on developing solutions aligned with the Sustainable Development Goals (SDGs). Participants actively ideated, designed, and developed impactful solutions addressing real-world challenges, fostering a spirit of teamwork and problem-solving. In the Dekathon 4.0, 76 teams (nearly 240 students) participated. There were students from other state also.

STC-DEKATHON 4.0 featured a wide range of engaging activities, other than technical hackathon, such as cultural and entertainment programmes. Special attractions such as a campfire was arranged on Day 1 and an energetic band show on Day 2 added to the excitement and enhanced campus vibrancy.

The hackathon witnessed intense competition, with participants vying for attractive cash prizes — ₹50,000 for the first prize, ₹25,000 for the second prize, and ten category prizes worth ₹5,000 each, along with additional rewards. Eligible students also earned up to 40 KTU activity points. Registered teams, comprising up to three members, were provided with food and residential accommodation throughout this programme.

-Organised in collaboration with agencies like KSUM, KTU EMC, ICAR CTRI, IEEE, LINNK, IITP, STC-DEKATHON 4.0 emerged as a dynamic platform for knowledge exchange, creativity, and international collaboration, reinforcing the institution's commitment to technological advancement and sustainable development.

**STC - DEKATHON 4.0**  
 AN INDO MALAYSIAN HACKATHON EDITION - 4  
 THEME - SUSTAINABLE DEVELOPMENT GOALS  
 22-24 JAN 2026  
 INDUSTRIAL EXPO | TECHNICAL SEMINARS | SCHOOL STUDENTS PROJECT COMPETITION & EXPO | CULTURAL PROGRAMS & MANY MORE ...

ELIGIBLE UPTO **40** KTU ACTIVITY POINTS  
 REGISTRATION CLOSING ON 15<sup>th</sup> JANUARY 2026

FIRST PRIZE **50K**  
 SECOND PRIZE **25K**  
 CATEGORY PRIZES **5Kx10**

+ MORE PRIZES

REGISTRATION FEES RS.2500 PER TEAM (LIMITED TO 3 MEMBERS) FOOD & ACCOMMODATION INCLUDED



## GREEN AUDIT 2026 INITIATED AT STC

NSS Units 318 & 553, and Environmental Club of St. Thomas College of Engineering & Technology has launched Green Audit 2026, as a step towards enhancing campus sustainability and environmental responsibility.

The audit will assess key areas such as energy, water, waste management, biodiversity, carbon footprint, paper usage, green practices, and environmental awareness. Data collection will be carried out by the student volunteer teams, trained for the specific Audits.

A Green Audit helps a campus measure and reduce its environmental footprint by systematically assessing energy, water, waste, and biodiversity practices. It is relevant because it promotes sustainability culture, ensures regulatory readiness, and guides data-driven improvements toward a greener, cost-efficient campus.

**GREEN AUDIT 2026**  
An initiative by the NSS Volunteers of STC  
INITIATED ON 1<sup>ST</sup> JANUARY 2026

**HIGHLIGHTS**

- ENERGY AUDIT
- WATER AUDIT
- SOLID WASTE AUDIT
- BIODIVERSITY ASSESSMENT
- CARBON FOOTPRINT EVALUATION
- PAPER USAGE AUDIT
- LABORATORY GREEN PRACTICES
- GREEN INFRASTRUCTURE ASSESSMENT
- ENVIRONMENTAL POLICIES & AWARENESS INITIATIVES

St. Thomas College of Engineering & Technology  
KODUMVALLUR POINT - CHENGANNUR  
AAC | NRI | ISO  
AUTONOMOUS

APJAKTU NSS UNITS 318 & 553 | STC ENVIRONMENTAL CLUB

## ENERGY CONSERVATION QUIZ COMPETITION

The NDLI Club, in association with the Department of Electrical Engineering, conducted an Energy Conservation Quiz Competition on 6th January 2026 at the Central Library, St. Thomas College of Engineering & Technology, Chengannur.

The competition aimed to create awareness about the importance of energy conservation and sustainable energy practices among students. The one-hour session witnessed active individual participation and tested the students' knowledge on energy efficiency, renewable energy sources, and responsible energy usage. The programme was well-received and contributed to promoting environmental consciousness within the campus.

National Digital Library of India | Ministry of Education

**NDLI CLUB**

In association with Electrical Engineering Department

**ENERGY CONSERVATION QUIZ Competition**

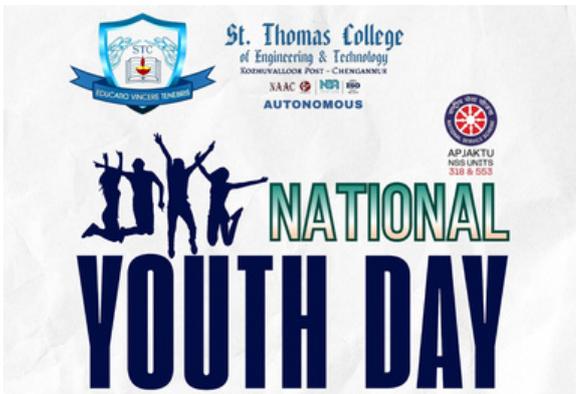
**6/01/2026**  
**3:pm to 4 pm**  
CENTRAL LIBRARY

Register name in the library on or before, 11am 5th January 2026

Only individual participation allowed  
No assistance from others encouraged  
Decision of the Quiz Masters shall be final  
Prizes for the winners will be announced later

St. Thomas College of Engineering & Technology  
Institution Code: STC | Approved by AICTE, Government of India  
Affiliated to APJ Abdul Kalam Technological University, Govt. of Kerala  
Accredited by NAAC | NBA | ISO 9001:2015 | [www.stthomascollege.ac.in](http://www.stthomascollege.ac.in)

## NATIONAL YOUTH DAY CELEBRATED AT STC



St. Thomas College of Engineering & Technology celebrated National Youth Day on 12th January 2026, organized by NSS Units 318 & 553 in association with the NDLI Club of STC. The event was conducted to honor the power, voice, and vision of youth, inspired by the ideals of leadership, responsibility, and nation-building

As part of the celebration, a series of engaging competitions were held, including Youth Parliament, Essay Writing Competition, and Quiz, which witnessed active participation from students. The activities provided a platform for students to express their ideas, sharpen their skills, and reflect on the role of youth in shaping the future of the nation.

The celebration successfully captured the true spirit of youthfulness and encouraged students to think, speak, and act as responsible citizens.

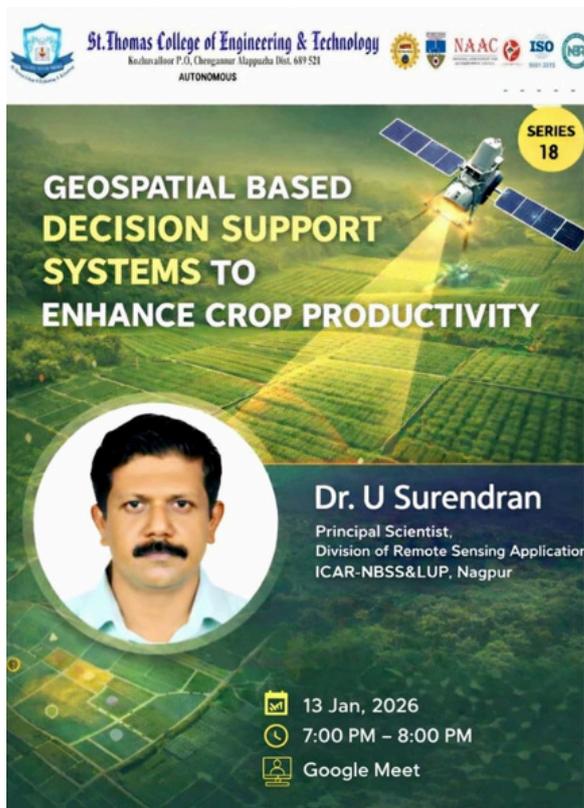


## CHIEF MINISTERS' MEGA QUIZ – S COLLEGE LEVEL

The Chief Ministers' Mega Quiz (School–College Level) was successfully conducted on 12 January 2026 at St. Thomas College of Engineering & Technology, Chengannur, with the support of APJAKTU NSS Units 318 and 553. The programme witnessed enthusiastic participation from students and helped promote awareness of Kerala's governance, history, and current affairs. The quiz provided an engaging platform to enhance students' knowledge, critical thinking, and civic sense. The event was well organized and contributed effectively to building an informed and socially responsible student community. The winners of the Mega Quiz were Archana M, Varghese James, Jobin Biju Varghese, and Prajin Prakasan, who were appreciated for their excellent performance and subject knowledge.



## TECHNICAL TALK ON GEOSPATIAL DECISION SUPPORT SYSTEMS



Dr.U.Surendran delivered the 18th techtalk on “Geospatial Based Decision Support Systems to Enhance Crop Productivity” The TechTalk conducted by St. Thomas College of Engineering & Technology, Chengannur, on 13th January 2026 via Google Meet. The session was delivered by Dr. U. Surendran, Principal Scientist, Division of Remote Sensing Applications, ICAR–NBSS & LUP, Nagpur.

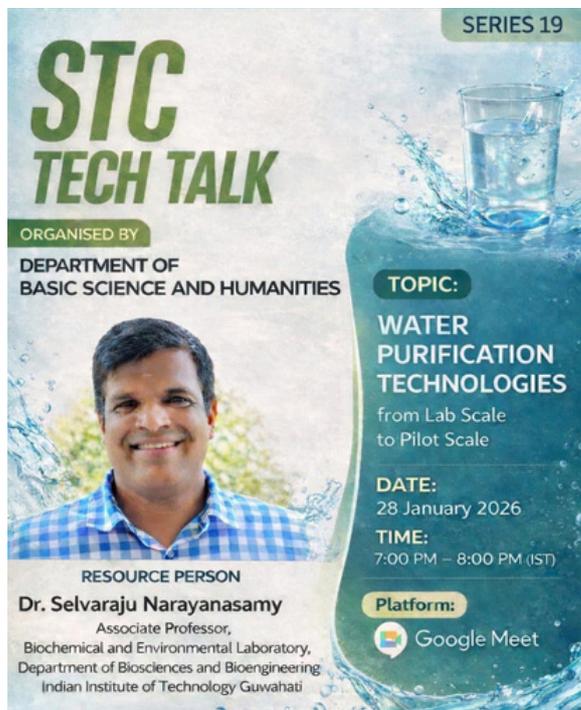
The talk provided valuable insights into the application of geospatial technologies and remote sensing in agriculture, highlighting their role in improving crop productivity and informed decision-making. The session was informative and well-received by participants, enhancing their understanding of modern technological interventions in sustainable agriculture.

## SEMINAR ON FOUNDATIONS OF RESEARCH AND DEVELOPMENT

The Department of Agricultural Engineering, in association with the R & D Cell, STCET, organized a seminar titled “Foundations of Research & Development: Processes, Ethics, and Global Perspectives” on 14 January 2026 at the CSE Seminar Hall. The session was led by Dr. Sathyan K K, Professor, Department of SWCE, KCAET, Tavanur, who highlighted the importance of systematic research processes, ethical practices, and global perspectives in R&D. The seminar offered valuable insights into research methodologies, ethical responsibilities, and the role of innovation in addressing real-world challenges, emphasizing the contribution of quality research to academic and societal development.



## STC TECH TALK ON WATER PURIFICATION TECHNOLOGIES

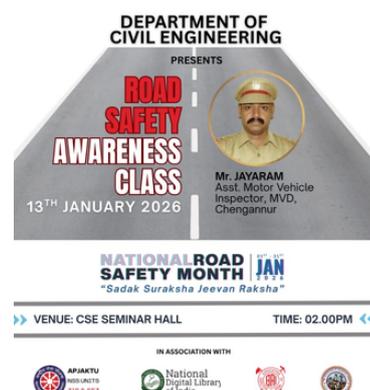


Dr. Selvaraju delivered the 19<sup>th</sup> TechTalk part of the STC Tech Talk Series 19, the Department of Basic Science and Humanities of St. Thomas College of Engineering & Technology organized an the talk on “Water Purification Technologies: From Lab Scale to Pilot Scale” on 28 January 2026 through the Google Meet platform.

The session was delivered by Dr. Selvaraju Narayanasamy, Associate Professor, Biochemical and Environmental Laboratory, Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati. The talk provided valuable insights into modern water purification methods, highlighting the transition of technologies from laboratory-scale research to pilot-scale applications.

## ROAD SAFETY AWARENESS PROGRAMME

The Department of Civil Engineering, St. Thomas College of Engineering & Technology, organized a Road Safety Awareness Class as part of National Road Safety Month on 27th January 2026. The session was conducted with the objective of creating awareness among students about the importance of road safety and responsible behaviour while using roads.



The programme was inaugurated by Dr. Ajith Prabhu, principal of the College and the talk was delivered by Mr. Jayaram, Assistant Motor Vehicle Inspector, MVD, Chengannur, who shared valuable insights on traffic rules, safe driving practices, common causes of road accidents, and the role of youth in promoting road safety. The session was informative and interactive, helping students understand real-life traffic scenarios and the importance of following safety norms. The event was held at the CSE Seminar Hall at 2:00 PM and was organized in association with APJAKTU NSS Units 318 & 553, National Digital Library of India, and other supporting organizations. The programme effectively reinforced the message of "Sadak Suraksha Jeevan Raksha" encouraging students to be responsible and safety-conscious road users.

## ACHIEVEMENTS

### STCET Shines at the National Level – SAE TIFAN

St. Thomas College of Engineering & Technology, Chengannur has achieved another proud milestone by qualifying for the Final Round of SAE TIFAN 2026, scheduled to be held on 30th March 2026 in Pune. Competing among nearly 70 colleges nationwide, STCET emerged as the only institution from Kerala to reach the finals, reflecting the team's technical excellence, innovation, and commitment. This outstanding accomplishment is a result of the dedicated efforts of the students and the constant guidance of their mentors, bringing significant national recognition to the institution.



**Launch of AgriXplore – First Edition of the Agriculture Engineering Newsletter**



**Release of the Third Edition Newsletter – Department of CSE (AI & ML)**



**Industry Visit to UST Global, Trivandrum by S6 CSE Students**



**S6 CSE (AIML) Students Secure 2nd Place at Yodha 24-Hour National Hackathon**

# CAREER PLACEMENTS INFO

35 students of STC were successfully placed in renowned companies with the help of our dedicated placement cell. The placement drive is still ongoing, with more opportunities ahead.



# CAREER PLACEMENTS INFO

**St. Thomas College**  
of Engineering & Technology  
AUTONOMOUS

**DEPARTMENT OF MECHANICAL ENGINEERING**

**13 PLACED @**   
**Brakes India**

*Congratulations*

**BATCH: 2022-26**

ABHIJITH SAJI, ABIN BENNY VARGHESE, ADARSH P, AKASH K S, AKASH B, ANWAR MOHAMMED, ALAN PRASANTH SAM, ATHUL KRISHNA, BIKRAM ROY, GISHNU DAS, JOJI MATHEW JOSE, PRAVEEN P, SACHIN S

## Our Recruiters



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