

PERFORMANCE REPORT FOR THE ACADEMIC YEAR 2025-2026

(01 July 2025 to 30 June 2026)

Submitted to



UNIVERSITY GRANTS COMMISSION

Government of India

By



St. Thomas College
of Engineering & Technology
CHENGANNUR, ALAPPUZHA



AUTONOMOUS

JUNE 2026

PERFORMANCE REPORT FOR THE ACADEMIC YEAR 2025-2026

(01 July 2025 to 30 June 2026)

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1. About the College, Vision, Mission

St. Thomas College of Engineering & Technology (STCET), Chengannur, Alappuzha, Kerala was established by St. Thomas Educational Society, Adoor Tower, Adoor with an aim of providing quality higher education at par with international standards. The College is administered by St. Thomas Educational Society, whose governing body comprises Dr. Judy Babu Thomas (President), Mr. Jose Thomas (Secretary) and Mr. Jacob Thomas (Treasurer). The college has been established with the noble objective of providing quality technical education that would epitomize the noble values as well.

The College is an autonomous institution affiliated with APJ Abdul Kalam Technological University (KTU), Kerala. Autonomous status was conferred by the University Grants Commission (UGC) in July 2025, followed by the Government of Kerala Order No. J2/188/2025/HEdn and the subsequent notification issued by APJ Abdul Kalam Technological University in August 2025 (Notification No. KTU/ACAD/2025). The College is accredited by NAAC. The Civil Engineering (CE), Computer Science and Engineering (CSE), and Electronics and Communication Engineering (ECE) departments are accredited by the National Board of Accreditation (NBA) for their B.Tech programmes.

During the year under report (2025–2026), the College offered seven B.Tech programmes in the major disciplines of Agricultural Engineering (AE), Civil Engineering (CE), Computer Science and Engineering (CSE), Computer Science and Engineering (Artificial Intelligence & Machine Learning) [CSE (AI & ML)], Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), and Mechanical Engineering (ME). In addition, the College offered B.Tech (Working Professional) programmes in Civil Engineering (CE) and Computer Science and Engineering (CSE).

Vision:

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

Mission:

M1 - Infrastructural Relevance: Develop, maintain and manage our campus for our stakeholders.

M2 - Life Long Learning: Encourage our stakeholders to participate in lifelong learning through industry and academic interactions.

M3 - Social Connect: Organize socially relevant outreach programs for the benefit of humanity.

2. About Autonomous Status

UGC conferred Autonomous Status on the College in July 2025. The Government of Kerala subsequently issued Order No. J2/188/2025/HEdn, and APJ Abdul Kalam Technological University notified the conferment of Autonomous Status in August 2025. The autonomy has been granted by the UGC for a period of five years (2025–2030). The College views autonomy as an opportunity to offer programmes with greater flexibility and relevance, thereby enhancing the quality of education and achieving academic excellence. The College continues to be affiliated with APJ Abdul Kalam Technological University, and the degrees will be awarded by the University based on the recommendations of the College. The name of the College will be mentioned on the degree certificates.

The College Management constituted the statutory bodies, namely the Governing Body, Academic Council, and Boards of Studies, in accordance with the applicable rules and regulations. Sri. Rajesh M, Joint Secretary to Government, Higher Education Department, Government of Kerala, was nominated by the Government of Kerala as a member of the Governing Body. Dr. Manoj Kumar K, Associate Professor, Department of Mechanical Engineering, Muthoot Institute of Technology and Science, was nominated by APJ Abdul Kalam Technological University, Thiruvananthapuram, as the University nominee to the Governing Body. The meetings of these statutory bodies have been conducted regularly in accordance with the UGC Regulations.

During the academic year 2025–2026, the College admitted its first batch of students under the autonomous system to the B.Tech programmes through the approved admission process, and classes commenced in August 2025. Students were admitted to the seven B.Tech programmes in Agricultural Engineering (AE), Civil Engineering (CE), Computer Science and Engineering (CSE), Computer Science and Engineering (Artificial Intelligence & Machine Learning) [CSE (AI & ML)], Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), and Mechanical Engineering (ME). Admissions were also made to the B.Tech

(Working Professional) programmes in Civil Engineering (CE) and Computer Science and Engineering (CSE).

3. Administrative Activities Including Meetings of Statutory Bodies

3.1 Governing Body - Meetings and Members

The Governing Body is the apex statutory body responsible for policy formulation, long-term planning, and overall governance of STCET under the Autonomous framework. The Governing Body meeting was held during the academic year 2025-2026.

Details of Governing Body Meetings

1. First Governing Body Meeting

- Date: 15 October 2025
- Time: 10:00 AM

2. Second Governing Body Meeting

- Date: 19 May 2026
- Time: 10:30 AM

Members of Governing Body

Sl. No.	Name	Designation / Position	Role
1	Er. Jose P Thomas, Secretary, St. Thomas Educational Society	Chairman	Chairman
2	Mr. Jacob Thomas, Treasurer, St. Thomas Educational Society	Member	Member
3	Dr. Judy Babu Thomas, President, St. Thomas Educational Society	Member	Member
4	Er. Rijo Thomas Jose, Member, St. Thomas Educational Society	Member	Member

5	Mrs. Reena Jose, Member, St. Thomas Educational Society	Member	Member
6	Sri. Rajesh M, Joint Secretary to Government, Higher Education Department, Government of Kerala	Member nominated by the Government of Kerala	Member
7	Dr. Manoj Kumar K, Associate Professor, Mechanical Engineering, Muthoot Institute of Technology and Science	Member nominated by APJ Abdul Kalam Technological University, Thiruvananthapuram	Member
8	Dr. Manjith Kumar B, Dean (Academics), STCET	Teacher Representative	Member
9	Dr. Vipin Gopan, Professor, ME Dept., STCET	Teacher Representative	Member
10	Mr. Unni Pillai A.M, Administrative Officer, STCET	Administrative Staff	Member
11	Dr. Shajan Kuriakose, Former Principal, STCET	Educationist / Industrialist	Member
12	Dr. Ajit Prabhu V., Director & Principal, STCET	Principal (Ex-officio)	Member Secretary

3.2 Academic Council - Meetings and Members

The Academic Council is the apex academic body of the Institution constituted under the Autonomous framework. It met during the academic year 2025-2026 to deliberate and approve academic matters including curriculum design, examination policy, and quality enhancement measures.

Details of Academic Council Meetings

1. First Academic Council Meeting

- Date: 21 October 2025
- Time: 10:30 AM

2. Second Academic Council Meeting

- Date: 7 May 2026
- Time: 10:30 AM

Members of Academic Council

Sl. No.	Name & Designation	Role
1	Dr. Ajit Prabhu V., Principal (Ex-officio)	Chairman
2	Dr. Biju B, Professor, Mar Athanasius College of Engineering, Kothamangalam	University nominee
3	Dr Parvathy R, Professor, Electrical and Electronics Engineering, Federal Institute of Science and Technology	University nominee
4	Dr Smithamol M B, Professor, Computer Science and Engineering, LBS Institute of Technology For Women, Poojappura	University nominee
5	Dr. Suresh P.S., HOD, CE	Member
6	Dr. S. Sarath, HOD, ME	Member
7	Dr. Manoj Kumar T, HOD, EEE	Member
8	Dr. Tintu Mary John, HOD, ECE	Member
9	Dr. Ram Mohan N R, HOD, CSE	Member
10	Dr. Teena Joseph, HOD, AI/ML	Member
11	Dr. Aiswarya L., HOD, Agriculture Engg.	Member

12	Prof. Rani M Kurup, HOD, BS&H	Member
13	Dr. Manjith Kumar B., Dean (Academics)	Member
14	Dr. Bibin Vincent, Professor, CSE (IQAC Coordinator)	Member
15	Prof. Chris Merin Varghese, Asso. Professor, CE	Member
16	Prof. Anand V J, Asst. Professor, AI/ML	Member
17	Prof. (Dr.) Santhakumar Mohan, Professor & Dean, ME, IIT Palakkad	External Member
18	Prof. (Dr.) B. S. Manoj, Senior Professor, IIST	External Member
19	Sri. Dinesh P Thampi, Vice President, TCS	Industry Member
20	Prof. Vivek Chaturvedi, Professor, CSE, IIT Palakkad	External Member
21	Prof. (Dr.) K P Sudheer, Professor & Head, Agriculture Engg., KAU	External Member
22	Dr. Vipin Gopan, Professor, ME, Controller of Examinations	Member
23	Prof. Saritha V, Asst. Professor, CE	Member
24	Prof. Joju P John, Asst. Professor, ME	Member
25	Dr. Renisha P Salim, Asso. Professor, CSE-AI/ML	Member Secretary

3.3 Board of Studies - Meetings and Members

Boards of Studies have been constituted for all eight departments: Agricultural Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Computer Science & Engineering (AI/ML), Mechanical Engineering, and Basic Sciences & Humanities. Each Board of Studies met during 2025-2026 to revise and finalize syllabi, design new courses in line with industry requirements and OBE principles, and recommend academic regulations for the autonomous programmes. The HODs of

the respective departments chair their respective BOS meetings with faculty members, external experts, and industry representatives as members.

BOS – Agriculture Engineering Department

1. First BOS-AE Meeting

- Date: 27 October 2025

2. Second BOS-AE Meeting

- Date: 16 March 2026

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Dr. Aiswarya L	Associate Professor	Chairperson (Ex-Offico)
2	All Faculty Members	All Faculty Members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Dr. Damodhara R. Mailapalli	Associate Professor, Agricultural and Food Engineering Department, IIT Kharagpur, India	Members
		Dr. Raneesh K Y	Assistant Professor (Agri Engg) KVK, Wayanad KAU	
4	One expert is to be nominated by the Vice Chancellor from a panel of six recommended by	Dr. Balaji Kannan	Professor and Head, Department of Soil and Water Conservation Engineering,	Member

	the Autonomous College Principal		Agricultural Engineering College and Research Institute, Coimbatore, TNAU	
5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Mr. Amith Raman	Chief Executive Officer Inker Robotic Solutions Pvt Ltd Naikkanal, Thrissur	Member
6	One member of the College Alumni to be nominated by the Principal	Mr. Govind Krishna P (Batch: 2021-25)	Farm Assistant ELA GREENS Ernakulam	Member
7	Experts from outside the Autonomous College, whenever special courses of studies are to be formulated , to be nominated by the Principal			Member

BOS – Civil Engineering

1. First BOS-CE Meeting

- Date: 28 October 2025

2. Second BOS-CE Meeting

○ Date: 23 March 2026

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Dr. Suresh P.S	Professor	Chairman (Ex-Officio)
2	All faculty members of the Department	All faculty members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Dr. Tom V Mathew	Professor and Head, Dept. of Civil Engineering, IIT Bombay	Members
		Dr. Sreeja P	Associate Professor, Department of Civil Engineering, IIT Guwahati	
4	One expert is to be nominated by the Vice Chancellor from a panel of six recommended by the Autonomous College Principal	Dr. A Muralikrishna	Professor, Dept. of Civil Engineering, Indian Institute of Technology (IIT Tirupati) Tirupati, AP	Member
5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Mr. Suresh Kumar S	Chief Engineer, Kerala Waterways and Infrastructure Limited (KWIL) Thiruvananthapuram	Member

6	One member of the College Alumni to be nominated by the Principal	Mr. Aden George	Director, Silver wood Builders and Designs Pvt. Ltd., Vadakkedathu, Edasserimala, Aranmula	Member
7	Expert from outside the Autonomous College, whenever special courses of studies are to be formulated, to be nominated by the Principal			Member

BOS – Computer Science & Engineering

1. First BOS-CSE Meeting

- Date: 30 October 2025

2. Second BOS-CSE Meeting

- Date: 24 March 2026

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Dr. Ram Mohan N R	Professor	Chairman (Ex-Officio)

2	All faculty members of the Department	All faculty members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Dr. Saidalavi Kalady	Associate Professor and Head, Department of Computer Science & Engineering, NIT, Calicut.	Members
		Dr. S. Janakiraman	Professor, Department of Banking Technology (An Inter-disciplinary of Computer Science and Engineering and Management), Pondicherry University, Pondicherry	
4	One expert is to be nominated by the Vice Chancellor from a panel of six recommended by the Autonomous College Principal	Dr. Subhasree M	Associate Professor, Department of Computer Science & Engineering, National Institute of Technology (NIT, Calicut) Kozhikode	Member

5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Dr. Padmadas M	Assistant General Manager (FTTH NOC) O/o the PGMT, BSNL First Floor, New Telecom Building, Devaraja URS Road, Vidhana Soudha Basaveshwara Circle Bengaluru-560001	Members
6	One member of the College Alumni to be nominated by the Principal	Mr. Denny Santhosh CSE (2020-2024)	Software Engineer, TCS, Mumbai	Member
7	Expert from outside the Autonomous College, whenever special courses of studies are to be formulated, to be nominated by the Principal			Members

BOS - Electronics & Communication Engineering Department

1. First BOS-ECE Meeting

- Date: 29 October 2025

2. Second BOS-ECE Meeting

- Date: 25 March 2026

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Dr. Tintu Mary John	Associate Professor	Chairperson (Ex-Officio)
2	All faculty members of the Department	All faculty members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Prof. (Dr.) K J Vinoy	Professor, Electrical Communication Engineering Department, Indian Institute of Science (IISc), Bengaluru, Karnataka	Members
		Dr. Varun Gopi	Associate Professor, NIT-Trichy, Tiruchirappally, TN	

4	One expert is to be nominated by the Vice Chancellor from a panel of six recommended by the Autonomous College Principal	Dr. M Sabarimalai Manikandan	Associate Professor, Department of Electrical & Electronics Engineering, IIT Palakkad	Member
5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Mr. Subodh P S	Scientist G / Senior Director, CDAC, GoI, Thiruvananthapuram	Member
6	One member of the College Alumni to be nominated by the Principal	Ms. Gincy Thomas	Software Tester, Orion Innovation, Infopark, Kochi	Member
7	Expert from outside the Autonomous College, whenever special courses of studies are to be formulated, to be nominated by the Principal			Members

BOS – Electrical & Electronics Engineering Department

1. First BOS-EEE Meeting

- Date: 29 October 2025

2. Second BOS-EEE Meeting

- Date: 27 March 2026

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Dr. Manoj Kumar T	Associate Professor	Chairman (Ex-Officio)
2	All faculty members of the Department	All faculty members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Dr. Deepa Venkitesh	Professor, Department of Electrical & Electronics Engineering, IIT Madras	Members
		Dr. Kumaravel S	Associate Professor Department of Electrical & Electronics Engineering, NIT Calicut	
4	One expert is to be nominated by the Vice Chancellor from a panel of six	Dr. M Sabarimalai Manikandan	Associate Professor, Department of Electrical & Electronics	Member

	recommended by the Autonomous College Principal		Engineering, IIT Palakkad	
5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Dr. Albert Singh	Sub Divisional Engineer BSNL Chennai	Member
6	One member of the College Alumni to be nominated by the Principal	Mr. Nandalal (2017-21 Batch)	Electrical Officer, MITSUI OSK Line (MOL) Maharashtra	Member
7	Expert from outside the Autonomous College, whenever special courses of studies are to be formulated, to be nominated by the Principal			Members

BOS – CSE – AI/ML Department

Details of Academic Council Meetings

3. First BOS-CSE(AI-ML) Meeting

- Date: 27 October 2025

4. Second BOS-CSE(AI-ML) Meeting

- Date: 17 March 2026

Members of BOS(CSE – AI/ML)

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Dr. Teena Joseph	Professor	Chairperson (Ex-Officio)
2	All faculty members of the Department	All faculty members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Dr. U. Srinivasulu Reddy	Associate Professor, Department of Computer Applications Machine Learning and Data Analytics Lab Centre of Excellence in Artificial Intelligence, National Institute of Technology, Tiruchirappalli	Members
		Dr. Alex James	Dean & Professor of AI Hardware,	

			School of Electronic Systems and Automation Digital University Kerala Trivandrum	
4	One expert is to be nominated by the Vice Chancellor from a panel of six recommended by the Autonomous College Principal	Dr. Murali Krishnan K	Professor, Computer Science & Engineering National Institute of Technology, Calicut, Kerala	Member
5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Mr. Rojin Varghese	Data Scientist Architect at Lam Research. Liverpool John Moores University Bengaluru	Member
6	One member of the College Alumni to be nominated by the Principal	Mr. Sreenath K. P.	Embedded Engineer Manager, Honeywell New Delhi	Member
7	Expert from outside the Autonomous College, whenever special			Members

	courses of studies are to be formulated, to be nominated by the Principal			
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BOS – Mechanical Engineering

1. First BOS-ME Meeting

- Date: 30 October 2025

2. Second BOS-ME Meeting

- Date: 26 March 2026

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Dr. S. Sarath	Professor & HOD	Chairperson (Ex-Officio)
2	All faculty members of the Department	All faculty members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Dr T Asokan	Professor, Department of Engineering Design, IIT Madras	Members
		Dr. S. Kanmani Subbu	Assistant Professor, Mechanical Engineering, IIT Palakkad	

4	One expert is to be nominated by the Vice Chancellor from a panel of six recommended by the Autonomous College Principal	Dr. Afzaal Ahmed	Associate Professor, Department of Mechanical Engineering, IIT Palakkad	Member
5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Dr. Gopalakrishna Pillai	Director, Sophisticated Test and Instrumentation Centre (KSCSTE-STIC), CUSAT Campus, Cochin	Member
6	One member of the College Alumni to be nominated by the Principal	Er. Krishnan Nampoothiri M (2011–15 Batch)	Scientist/Engineer, VSSC,ISRO, Trivandrum	Member
7	Expert from outside the Autonomous College, whenever special courses of studies are to be formulated, to be nominated by the Principal			Members

BOS – Basic Sciences & Humanities

1. First BOS-Basic Sciences & Humanities Meeting

- Date: 28 October 2025

2. Second BOS-Basic Sciences & Humanities Meeting

- Date: 18 March 2026

Sl No	Category	Name	Designation	Position in BOS
1	Head of the Department concerned	Prof. Rani M Kurup	Associate Professor	Chairperson (Ex-Officio)
2	All faculty members of the Department	All faculty members of the Department		Members
3	Two subject Experts from outside the parent University are to be nominated by the Academic Council	Dr. G. Unnikrishnan	Professor, Department of Chemistry, National Institute of Technology Calicut, NIT C	Members
		Dr. Deena C Scaria	Assistant Professor St. Aloysius College, Edathua	
4	One expert is to be nominated by the Vice Chancellor from a panel of six recommended by	Dr. V Ravi	Professor and Head Department of Humanities, Indian Institute of Space Science and Technology	Member

	the Autonomous College Principal		(IIST), Valiamala, Trivandrum, Kerala	
5	One representative from industry/ corporate sector/allied areas to be nominated by the Principal	Dr. Venugopal S.	General Manager (QST) HLL Lifecare Limited Trivandrum	Member
6	One member of the College Alumni to be nominated by the Principal	Ms. Reshma Ravi (2011-15 batch Civil)	Civil Engineer Silverhood Builders and Designers Aranmula	Member
7	Expert from outside the Autonomous College, whenever special courses of studies are to be formulated, to be nominated by the Principal			Members

3.4 Finance Committee - Meetings and Members

The Finance Committee of the institution met during the academic year 2025-2026 to review the income and expenditure accounts, audit reports, and to approve the annual budget estimates. The committee ensures financial accountability and prudent management of institutional resources in line with UGC norms and the College's financial policies.

Sl. No.	Category	Name and Designation	Position in the Finance Committee
1.	Principal-Chairman (Ex-officio)	Dr. Ajit Prabhu V., Principal, STC	Chairman (Ex-officio)
2.	One person to be nominated by the Governing Body of the college for a period of two years.	Er. Jose Thomas, Secretary, STC	Member
3.	Professor & Dean Academics -One senior-most Faculty Member of the Autonomous college to be nominated in rotation by the Principal for two years.	Dr. Manjithkumar B Professor & Dean (Academics), STC	Member
4.	Finance Officer/Officer-in-charge of Finance and Accounts of the Autonomous College	Sri. Jacob Thomas	(Member Secretary)

3.5 Details of the Meetings of the Other Committees

3.5.1 Internal Quality Assurance Cell (IQAC) - Meetings and Members

The IQAC functions as the nodal agency for quality assurance and enhancement at STCET. It coordinates with all departments to monitor academic, research, and administrative activities and facilitate continuous improvement. The IQAC held meetings during the academic year 2025-2026 to review departmental monthly reports, monitor outcomes-based education implementation, and prepare for NAAC-related documentation. The IQAC is chaired by the Principal and includes faculty representatives, management nominees, external academic experts, and industry members.

- First meeting of AY 2025-26 11-09-2025
- Second meeting of AY 2025-26 22-09-2025
- Third meeting of AY 2025-26 08-10-2025

Composition of IQAC

Position in IQAC	Name	Designation
Chairman	Dr. Ajit Prabhu V.	Director & Principal
Management Representative	Er. Jose Thomas	The Secretary, STCET
Administrative Representatives	Dr. Manjith Kumar B.	Dean (Academics)
	Dr. Sarath S	HOD- Mechanical Engg.
	Dr. Teena Joseph	HOD – CSE (AI & ML)
	Sri. Unnipillai A.M	Administrative Officer
Members - Teachers	Dr. Renisha P Salim	Asso. Professor – CSE (AI & ML)
	Prof. Arathy Vijayan	Associate Professor – CSE
	Prof. Revathy Anil	Assistant Professor- EEE
	Prof. Adithya K S	Assistant Professor- Basic Science
	Prof. Anoop G Das	Assistant Professor – ME
	Prof. Rini T Jacob	Assistant Professor – ECE
	Prof. Noorbina Razak	Assistant Professor – Agri Engg.
	Prof. Chris Merin Varghese	Assistant Professor - Civil Engg.
Nominee from local society	Sri. Abey Kuriakose	Advocate & Legal Advisor
Student Member	Shaun John Mathew	Student – 4 th year – CSE
Alumni Member	Sri. Ivan Saji Abraham	Alumni Association Member
Employer	Sri. Jimmy Bentex	CEO- C& T Engineers
Industrialist	Sri. Dinesh Thampi	Vice President & Head TCS Kerala
Academia Expert	Dr. P.O.J Lebba	Academician
Parent	Sri. Joshua M George	PTA Member
IQAC Coordinator	Dr. Bibin Vincent	Associate Professor – CSE

3.5.2 Research Promotion Committee - Meetings and Members

The Research Promotion Committee at STCET met during 2025-2026 to encourage faculty and students to publish in reputed journals, apply for funded projects, and register patents. The committee reviewed the research activities of each department and formulated strategies to improve research output, especially focusing on SCI/Scopus publications, sponsored projects, and consultancy work.

Details of R & D Meetings

1. First R & D Meeting

- Date: 8th October 2025
- Time: 1.30 PM

2. Second R & D Meeting

- Date: 12th January 2026

- Time: 2.00 PM

3. Third R & D Meeting

- Date: 19th June 2026
- Time: 2.00 PM

Members of R & D

Sl. No	Name	Designation & Affiliation	Role in Committee
1	Dr. Ajith Prabhu V	Principal	Chairman
2	Dr. Manjith Kumar B	Dean (Academics)	Co-chairman
3	Dr. Renisha P Salim	Research-Consultancy Coordinator, Associate Professor, Dept. of AI-ML	Convenor
4	Dr. Aiswariya L	HoD(i/c), Associate Professor & Department of Agri Engineering	Member
5	Prof. Filson Rajan	Associate Professor, Dept. of Basic Science	Member
6	Prof. Abhijith V R	Assistant Professor, Dept. of Mechanical Engineering	Member
7	Prof. Juby Paul	Assistant Professor, Dept. of Civil Engineering	Member
8	Dr. Tintu Mary John	Associate Professor & HoD, Department of Electronics &	Member

		Communication Engineering	
9	Prof. Mahesh S	Assistant Professor, Dept. of Computer Science & Engineering	Member
10	Prof. Awin Oommen John	Assistant Professor, Dept. of Electrical and Electronics Engineering	Member
11	Prof. Anand V J	IPR Cell Coordinator	Member

3.5.3 Internal Complaints Committee (ICC)

The College has constituted an Internal Complaints Committee (ICC) in accordance with the UGC Regulations, 2015, the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, and the AICTE Regulations, 2016. The Committee is responsible for preventing and addressing complaints of sexual harassment, ensuring a safe, secure, and inclusive environment for all students, faculty, staff, and visitors. It provides a fair and confidential grievance redressal mechanism, safeguards the rights of the complainant, and promotes gender sensitization and awareness on the campus. During the year, the ICC continued to function effectively by upholding institutional policies and ensuring compliance with the statutory provisions

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Members

Sl. No.	Name	Designation / Role	Department / Affiliation	Contact No.	E-mail ID
1	Dr. Teena Joseph	Presiding Officer, Professor	Department of CSE (AI & ML)	9497530357	teenajoseph@stthomascollege.ac.in
2	Dr. S. Sarath	Teaching Staff, Associate Professor	Mechanical Engineering Department	9746550371	s.sarath@stthomascollege.ac.in
3	Prof. Rani M Kurup	Teaching Staff, Associate Professor	Department of Basic Science	9447087066	ranimanoj691@stthomascollege.ac.in

4	Mr. Unni Pillai A M	Non-Teaching Staff, Administrative Officer	Administration	9388896108	info@stecet.net
5	Ms. Jyothy P	Non-Teaching Staff, Lab Instructor	Civil Engineering Department	9847155397	jyothi@stthomascollege.ac.in
6	Krishnandu K	Student Representative	First Year – CSE (AI & ML)	8848872116	—
7	Megha A	Student Representative	Third Year – CSE (AI & ML)	8943280717	—
8	Rohit R Nair	Student Representative	Second Year – Mechanical Engineering	9567341508	—
9	Adv. Aby Kuriakose	External Member, Advocate	Law Chambers, Aalthara Junction, Chengannur	9447045334	abykuriakosecgnr@gmail.com

3.5.3 Student Grievance Redressal Committee (SGRC)

The College has constituted the Student Grievance Redressal Committee (SGRC) to provide a fair, transparent, and effective mechanism for addressing grievances raised by students. The Committee is responsible for receiving, investigating, and resolving complaints related to academics, administration, campus facilities, and other student-related matters while ensuring confidentiality and adherence to the principles of natural justice. Through timely grievance redressal, mediation, and continuous monitoring, the SGRC promotes a student-friendly environment and contributes to maintaining discipline, transparency, and quality in the institutional functioning.

Members:

Sl. No.	Name	Position / Designation	Contact No.	E-mail ID
1	Dr. Ajit Prabhu V	President, Principal	9495244581	principal@stthomascollege.ac.in
2	Dr. Tintu Mary John	Convenor, HOD, Department of ECE, STC	9947767898	tintumary@stthomascollege.ac.in
3	Dr. Aiswarya L.	HOD, Agricultural Engineering Department, STC	6374603208	draiswaryal@stthomascollege.ac.in
4	Mr. Unnipillai A. M.	Administrative Officer	9388896108	info@stcet.net
5	Prof. Mahesh S.	Assistant Professor, CSE	8156828488	mahesh@stthomascollege.ac.in

		Department, STC		
6	Aditya Anil (S4, AI & ML)	Invitee	8848650728	—
7	Sandeep Suresh (S2, EEE)	Invitee	8089007405	—

4. Examinations

The Examination Cell of St. Thomas College of Engineering & Technology is the central coordinating body responsible for the effective planning, transparent conduct, and rigorous evaluation of all academic examinations. During the Academic Year 2025–2026, all examination-related activities across both the odd and even semester cycles were executed systematically, within stipulated timelines, and in full compliance with the STC 2025 Scheme regulations of the autonomous framework.

This consolidated report covers four major examination sessions conducted during the academic year, encompassing the regular B.Tech programme and the B.Tech Working Professionals programme, together with the associated revaluation and supplementary examination cycles.

- First Semester B.Tech (Regular) – December 2025, with supplementary results published in March 2026.
- Third Semester B.Tech (Working Professionals) – November–December 2025, with supplementary results published in March 2026.
- Second Semester B.Tech (Regular) – May–June 2026, results published 16 June 2026.
- Fourth Semester B.Tech (Working Professionals) – April–May 2026, results published 23 June 2026.

EXAMINATION CELL – ORGANIZATIONAL STRUCTURE	
Controller of Examinations (CoE)	Vipin Gopan
Deputy Controller (Examinations)	Prof. Bejoy Antony
Deputy Controller (Valuation)	Prof. Rejeenth V R
Asst. Controller of Examinations	Prof. Roshin Thomas Varughese
Asst. Controller of Examinations	Prof. Chinjulekshmi P S
Asst. Controller of Examinations	Prof. Sunu S Suresh
Asst. Controller of Examinations	Prof. Helen Thomas

4.1 Examination Procedures

The institution follows a structured, transparent, and multi-tiered procedure to ensure fairness, quality, and credibility throughout the examination system. The same protocol was applied uniformly across both odd and even semester examinations.

1

Question Paper Preparation

- Three distinct sets of question papers are prepared by internal faculty members handling the respective subject.
- Papers are scrutinized by external examiners nominated by the HOD and approved by the Board of Studies (BoS).
- **Set 1: Regular examination | Set 2: Reserved for supplementary | Set 3: Backup.**

2

Conduct of Examination

- Examinations are conducted as per the published academic schedule under strict supervision.
- Proper guidelines and protocols are followed to maintain discipline and integrity throughout.

3

Digital Valuation Process

- All answer scripts are scanned using high-speed scanners and uploaded into the ERP system for digital valuation.

Valuation Tiers:

- First Valuation: Conducted by internal faculty members.
- Chief Valuation: Approximately 20% of scripts are randomly re-evaluated by senior faculty (Chief Examiners).
- Second Valuation: Triggered if the difference between First and Chief Valuation exceeds 15%.
- Final Marks: The average of the two closest marks (least difference) is taken as the final score.

4

Moderation & Pass Board

- A Pass Board Committee is constituted after the completion of valuation.
- The committee reviews overall performance and finalizes moderation policies to ensure uniformity and fairness across all subjects.

5

Result Publication

- Results are processed through the Adhikrit ERP system and officially published online for student access.

6

Revaluation Process

- Students may apply for revaluation through the Exam Module if dissatisfied with their results.
- The entire revaluation workflow is handled digitally, ensuring complete transparency and traceability.

7

Supplementary Examinations

- Students who fail or are absent in the main examination may appear for supplementary examinations.
- Pre-reserved question paper sets (Set 2) are utilized; the same multi-tier evaluation process is followed.

4.2 Examination Activities & Timeline – Odd Semester

The odd semester examination cycle covered the First Semester B.Tech (Regular) and Third Semester B.Tech (Working Professionals) programmes. All phases including revaluation and supplementary examinations were completed, and results have been published.

Programme	Phase	Dates	Key Details
1st Sem B.Tech (Regular)	Main Exam	05 Dec – 18 Dec 2025	Results: 09 Jan 2026
1st Sem B.Tech (Regular)	Revaluation	15 Jan 2026	–
1st Sem B.Tech (Regular)	Supplementary	27 Jan – 04 Feb 2026	Results: 10 Mar 2026
3rd Sem B.Tech (WP)	Main Exam	18 Nov – 04 Dec 2025	Results: 13 Dec 2025
3rd Sem B.Tech (WP)	Revaluation	19 Jan 2026	–
3rd Sem B.Tech (WP)	Supplementary	27 Jan – 06 Feb 2026	Results: 18 Mar 2026
2nd Sem B.Tech (Regular)	Main Exam	22 May – 08 Jun 2026	Results: 16 Jun 2026
2nd Sem B.Tech (Regular)	Revaluation	23 Jun 2026	–
2nd Sem B.Tech (Regular)	Supplementary	06 Jul – 17 Jul 2026	Results awaited
1st Sem B.Tech (Regular)	Supplementary	15 Jun – 25 Jun 2026	Results awaited
4th Sem B.Tech (WP)	Main Exam	27 Apr – 14 May 2026	Results: 23 Jun 2026
4th Sem B.Tech (WP)	Revaluation	30 Jun 2026	–
4th Sem B.Tech (WP)	Supplementary	10 Jul – 17 Jul 2026	Results awaited

4.3 Result Analysis – First Semester and Second Semester B.Tech (Regular)

Branch	Reg.	Pass (Main)	% (Main)	Pass (Supp.)	% (Supp.)
AG – Agricultural Engg.	24	11	45.8%	14	58.3%
AM – Computer Science and Engineering (AIML)	61	41	67.2%	49	80.3%
CE – Civil Engineering	11	3	23.1%	5	38.5%
CS – Computer Science	97	62	62.6%	78	78.8%
EC – Electronics & Comm.	20	15	75.0%	16	80.0%
EE – Electrical Engg.	12	4	33.3%	8	66.7%
ME – Mechanical Engg.	23	9	39.1%	18	78.3%
OVERALL TOTAL	246	145	56.6%	188	73.4%

Table 1: Branch-wise Pass Percentage – Main Exam vs. Supplementary Exam (First Semester)

Sl.	Branch	No. of Students	Passed All Subjects	Pass Percentage
1	AG – Agricultural Engineering	22	14	64.0%
2	AM – Computer Science and Engineering (AIML)	59	40	68.0%
3	CE – Civil Engineering	10	4	40.0%
4	CS – Computer Science & Engineering	96	56	59.0%
5	EC – Electronics & Communication	20	8	40.0%
6	EE – Electrical & Electronics	12	5	42.0%
7	ME – Mechanical Engineering	24	10	42.0%
	TOTAL	243	137	57.0%

Table 2: Branch-wise Pass Percentage – Second Semester B.Tech (Regular), May 2026

4.4 Working Professionals Programme – Consolidated Analysis

Examination Session	Branch	Registered	Passed All Subjects	Pass %	Status
3rd Sem WP – Main (Nov–Dec 2025)	CE	29	21	72.4%	Published
3rd Sem WP – After Supplementary	CE	29	24	82.8%	Published
4th Sem WP – Main (Apr–May 2026)	CE	26	13	50.0%	Published
4th Sem WP – After Supplementary	CE	26	–	Awaited	Pending

4.5 Consolidated Performance – Academic Year 2025–2026

The table and chart below consolidate all examination sessions conducted during the academic year across both programmes and both semester cycles, providing a single reference view of institutional examination performance.

Examination Session	Registered	Passed	Pass %	Semester Cycle
1st Sem B.Tech (Regular)	246	145	56.6%	Odd Semester
1st Sem – After Supplementary	246	188	73.4%	Odd Semester
2nd Sem B.Tech (Regular)	243	137	57.0%	Even Semester
3rd Sem B.Tech (WP)	29	21	72.4%	Odd Semester
3rd Sem WP – After Supp.	29	24	82.8%	Odd Semester
4th Sem B.Tech (WP)	26	13	50.0%	Even Semester

5. Academic Activities Undertaken

5.1 Results 2021-2025 B. Tech Batch

The BTech students have performed well in academics. The 2021-2025 batch (non-autonomous) has graduated during the year under report. The following Table A shows the overall pass in the seven BTech Programmes.

Table A: Pass Percentage of the 2021-2025 BTech Batch

Branch	Total Number of Students appeared	Number of Students Passed	Pass%
AE	21	19	90.47%
CE	18	11	61.11%
CSE	63	25	39.70%
CSE AIML	29	16	55.17%
ECE	11	9	81.81%
EEE	9	2	22.20%
ME	20	3	15.00%
Overall Pass	171	85	49.7%

5.2 Results 2023-2026 B. Tech Batch

The BTech students have performed well in academics. The 2022-2026 batch (non-autonomous) has graduated during the year under report. The following Table A shows the overall pass in the seven BTech Programmes.

Table B: Pass Percentage of the 2022-2026 BTech Batch

Branch	Total Number of Students appeared	Number of Students Passed	Pass%
AE	28	25	89.2%
CE	4	2	50%
CSE	62	41	66.12%
CSE AIML	61	28	45.9%
ECE	26	10	38.5%
EEE	8	3	37.5%
ME	13	3	23.07%
Overall Pass	202	112	55.45%

5.3 Internships for Autonomous Batch

As part of the autonomous curriculum, the College introduced mandatory internship and industry training programmes for first-year B.Tech students immediately after the completion of the Semester I and Semester II End Semester Examinations, enabling students to gain practical exposure and industry-relevant skills.

Internship after Semester I End Semester Examinations

All first-year students were given the flexibility to choose any one of the following interdisciplinary internship programmes based on their interests:

Internship Area	Focus
INIZIO	Entrepreneurship Skills Development
3D Printing	Design, Prototyping and Additive Manufacturing
Robotics	Robotics Fundamentals, Programming and Applications

Internship/Training after Semester II End Semester Examinations

Department-specific internship and training programmes were conducted in collaboration with reputed industry partners.

Department(s)	Area of Training	Training Agency
Agricultural Engineering (AE)	IoT and Python	Network Systems, Mavelikara
Computer Science & Engineering (CSE), CSE (AI & ML), Electronics & Communication Engineering (ECE)	Advanced Python Programming, Automation & Application Development	Pragyan SmartAI Technology LLP, Bangalore
Civil Engineering (CE)	Drafting and Annotation using AutoCAD	Arcite Educational Pvt. Ltd., Kollam
Electrical & Electronics Engineering (EEE)	AutoCAD Electrical	CAD Desk, Thiruvalla
Mechanical Engineering (ME)	CNC Machining, Injection Moulding and Industrial Manufacturing Process	MSME Technology Development Centre, Thiruvalla

These internship programmes strengthened students' technical knowledge, practical skills, innovation, entrepreneurship, and industry readiness by complementing classroom learning with hands-on training and real-world exposure.

5.4 Curriculum Design and Development

Under the Autonomous framework granted in July 2025, STCET has undertaken a comprehensive curriculum redesign process for all seven B.Tech programmes. Boards of Studies were constituted for all departments and were convened to formulate the first autonomous syllabi based on Outcome-Based Education (OBE) principles. The new STC 2025 Scheme was designed with updated course content aligned with current industry needs, incorporating emerging topics such as Artificial Intelligence, Machine Learning, IoT, Sustainable Engineering, and Precision Agriculture. The syllabi include programme outcomes (POs), course outcomes (COs), and CO-PO mapping, along with defined assessment criteria for continuous evaluation and end-semester

examinations. The Academic Council approved the curriculum, which is now implemented from the academic year 2025-2026 (Odd semester).

5.5 Students' Achievements

Students of STCET achieved recognition in various competitions and events during 2025-2026. Students have participated in sports, technical competitions, cultural events, and innovation challenges at college-level and above. The college actively encourages students to participate in national-level competitions, hackathons, paper presentations, and project expos to develop their technical and soft skills.

Outstanding Individual Achievements

- NAZEEB N (S6 CSE) – 1st Place in High Jump & Long Jump at KTU Intercollegiate Meet 2025-26, Thiruvananthapuram. Set a new University Record.
- NAZEEB N also represented APJ Abdul Kalam Technological University at the All India Inter-University Athletics Championship 2025-26, held at Swarajya Maidan, Mangalore (January 12–16, 2026).
- ABHISHEK B (S6 Civil Engineering) – 1st Place in Shot Put at KTU Intercollegiate Meet 2025-26, Thiruvananthapuram.

Team Achievements

- Girls Basketball Team – Second Runner-Up at KTU Zonal Basketball Tournament hosted by Amal Jyothi College of Engineering.
- C-Zone Volleyball Tournament under APJ Abdul Kalam Technological University was successfully conducted by the institution.
- RAPIDO – Intra-Collegiate Athletics Meet was organised on August 23, 2025.

Department-wise Achievements

- **AG Department**
 - Ms. Archana. S (2022-2026) secured University FIRST Rank.

- Ms. Nandhana (2021-2025) secured University FIRST Rank.
- 3rd prize in C zone basketball- Agnes benny
- 1st Prize in Mehndi at Vyvidh.- Noora Fathima N
- 2nd Prize in Story Writing at Vyvidh.-Raichel Nelson
- 1st Prize in Squid Game and Scrambled Keyboard at Vyvidh.-Faharudeen K S
- 1st prize in Race competition (Rapido)- Agnes benny
- 2nd prize in Relay competition (Rapido)-Agnes benny
- 3rd prize in C zone basketball- Archana M
- 3rd prize in long jump (rapido)-Keerthana Manoj
- 2nd prize in quiz competition at Marthoma college thiruvalla-Keerthana Manoj
- 2nd prize in quiz competition at Marthoma college thiruvalla- Muhammed Aflah A
- 2nd prize in poetry writing -English(vyidh)- Aksa Reji Thomas
- 1st prize in squid game and scrambled keyboard (vyidh)- Faharudeen Kallupurakal Shihabudeen
- 1st prize in Shadow coding (vyidh) - Fiza Sayed

- **AI & ML Department**

- Secured 2nd place at Yodha 24hr National Level Hackathon, Jyoti Engineering College, Thrissur. -Christopher Thomas Rajesh, Amit Ajithkumar, Aaron Abraham, Sangeeth S.
- Secured 5th place at National Entrepreneurship Conclave 2026 held at LEAD College, Dhoni, Palakkad. - Jonathan Jacob Thomas Kadavil, Joel A Jacob.
- Secured award in the category of Special Jury Award in STC-DEKATHON 4.0 - Indo-Malaysian International Hackathon IEDC- Christopher Thomas Rajesh, Amit Ajithkumar.
- Secured award in the category of Best Revenue Model in STC-DEKATHON 4.0 - Indo-Malaysian International Hackathon IEDC – Krishnandu .

- Participated in the Alappuzha Cluster-level Hackathon, conducted as part of IEDCSATRUP SUMMIT 2026 hosted by IEDC- Sooraj M S , Abner Jose Ninan, Athul Krishna Valsan, Anisha N Palakkal.
- Nikhil Roychan (S8 AI & ML) elected as the College Union Arts Club Secretary.
- Anisha N Palakkal (S6 AI & ML) elected as the UUC.
- Elite Certificate in NPTEL Artificial Intelligence in Industrial Management Engineering.-R. Poonthendral
- Certificate in NPTEL Cloud Computing.-Aleena Anil
- Certificate in NPTEL Computer Vision.-Stephen Samuel Paul
- Certificate in NPTEL Cyber Security and Privacy.-Asher John

- **CSE Department**

- NAZEEB N represented APJ Abdul Kalam Technological University at the All India Inter-University Athletics Championship 2025-26, held at Swarajya Maidan, Mangalore (January 12–16, 2026).
- Dekathon Best Revenue Model Award: Nikhil George Mathew (S4 CSE) at Dekathon 2026.
- Dekathon Special Jury Award: Riya Susan Johnson (S6 CSE B), Team APEX Minds.
- YIP 8.0 (Young Innovators Programme): Team Skyline Innovators led by Nibin Reji selected in Preliminary Round at district level (from 470 ideas).
- HYVE Ideathon 3rd Prize: Team ID014 (Diptii S, Osvin Thomas, Devananda Abhilash, Aswathy S Nair) at Providence College of Engineering.
- College Union Chairperson: Sreehari S (S8 CSE) elected as the College Union Chairperson.

- **ECE Department**

- Launched Startup Terra-X (Armoured for Breakthroughs OPC Pvt. Ltd.) in January 2026.-Sooraj Anil

➤ Elite Certificate in NPTEL 'Digital Circuits'.-Shyba Abraham

- **ME Department**

- TIFAN Competition: Nine ME students cleared two rigorous phases and reached the national final at Pune.
- Go-Kart: S4 ME students developed an IC engine-based go-kart for Tech fest.

5. Research Activities Undertaken

5.1 Publications

The academic year 2025-2026 witnessed active participation of faculty and students of STCET in research publications across departments. Based on the monthly departmental reports compiled from July 2025 to February 2026, the following publications were recorded: Faculty Publications: The Department of CSE (AI & ML) reported the highest number of faculty SCI/Scopus publications with 2 publications (August 2025). Several departments including CSE, CE, and ECE reported conference and journal publications throughout the year. The college continues to encourage faculty to publish in high-impact journals and to present research at national and international conferences. Student Publications: Student publications were recorded primarily in the Departments of CSE (AI & ML) and AE. The CSE (AI & ML) department reported student conference publications in July 2025 and subsequent months. The AE department reported student industrial visit-linked research activities. Overall, the research culture at STCET is steadily growing with the newly constituted Research Promotion Committee actively supporting faculty and students in their publication endeavours.

AG Department				
Sl. No	Author(s) & Year	Title	Journal / Publisher	Indexing
.				

1	L. Aiswarya & K. P. Rema (2025)	<i>Landslide vulnerability mapping for the Chaliyar river basin</i>	Tanz Research Journal	Scopus
AI & ML Department				
Sl. No .	Author(s) & Year	Title	Journal / Publisher	Indexing
2	Induja I (2025)	<i>Optimization of machining parameters for Ti-6Al-4V nano-alloy in abrasive jet machining using Taguchi– Grey relational analysis with ANN</i>	Journal of Environmental Nanotechnology	Scopus
3	Teena Joseph (2025)	<i>Artificial intelligence in housing adaptation: A critical appraisal framework for modern AI technologies</i>	International Journal of Applied Mathematics	Scopus
4	Teena Joseph (2026)	<i>An Identity Level Protocol for Calibrated Open Set Face Recognition in Identity Scarce Scenarios</i>	International Journal of Advances in Signal and Image Sciences (IJASIS)	Q1 – Scopus
CSE Department				
Sl. No .	Author(s) & Year	Title	Journal / Publisher	Indexing

5	Ram Mohan, N. R. (2025)	<i>Advancing interpretable machine learning: Principles, challenges, and practical insights</i>	Interpretable and Trustworthy AI: Techniques and Frameworks. Taylor & Francis Group	Scopus
6	Ram Mohan, N. R. (2025)	<i>Revolutionizing healthcare: Integrating VR, AR, AI, and haptics for enhanced medical imaging and robotic surgery</i>	Integrating AI with Haptic Systems for Smarter Healthcare Solutions. IGI Global	Scopus
7	Ram Mohan, N. R. (2025)	<i>Blockchain-powered drone surveillance: Enhancing security and transparency with IoT</i>	Enhancing Surveillance with Blockchain and IoT Drone Technology. IGI Global	Scopus
8	Juby Raju (2025)	<i>A comprehensive review of the advances and prospects of electrical impedance tomography in breast cancer detection</i>	AIP Conference Proceedings (Vol. 3280, No. 1, p. 030002). AIP Publishing LLC	Scopus
9	Bibin Vincent (2025)	<i>Secure multi-object detection and tracking via YOLOv7 integration with particle filter algorithms</i>	Proceedings of the 3rd International Conference on Cyber Resilience (ICCR), Dubai, UAE	Scopus

10	Juby Raju (2025)	<i>Improved LinkNet with transfer learning for assessing mortality risk based on pretransplant data of liver transplantation</i>	Biomedical Engineering: Applications, Basis and Communications	Scopus
ECE Department				
Sl. No.	Author(s) & Year	Title	Journal / Publisher	Indexing
11	Akash Saji, Alan Varghese, Even Thomas, Dr. Tintu Mary John, Asst. Prof. Thushara Thulasi (2026)	<i>A Centipede Inspired Robot</i>	International Journal of Engineering Research & Technology (IJERT)	IJERT

5.2 Industry-Institute Collaboration

Memoranda of Understanding (MoUs)					
AG Department					
Sl. No.	Organisation & Location	Department(s)	Date Signed	Validity	Remarks

1	ICAR – Central Tuber Crops Research Institute, Sreekariyam, Trivandrum	AG	26/08/20 25	3 Years	MoU Signed
2	Radtar Innovations Pvt. Ltd., Angadi P.O.	AG	19/09/20 25	3 Years	MoU Signed
AI & ML, CSE & ECE Departments					
Sl. No .	Organisation & Location	Department(s)	Date Signed	Validi ty	Remarks
3	Mibiz Knowledge Park Pvt. Ltd., Trivandrum	AI & ML, CSE & ECE	09/09/20 25	5 Years	MoU Signed
4	Linnk Academy India, Ernakulam	AI & ML, CSE & ECE	17/11/20 25	3 Years	MoU Signed
CE & ME Departments					
Sl. No .	Organisation & Location	Department(s)	Date Signed	Validi ty	Remarks
5	Indian Institute of Infrastructure & Construction, Chavara	CE & ME	29/03/20 26	—	MoU Renewed
6	Arcite Educational Solutions Pvt. Ltd., Kollam	CE & ME	06/04/20 26	—	MoU Signed

5.3 Consultancy Work

The Centre for Research, Innovations and Consultancy (C-RIC) continued to strengthen its engagement with government agencies and public sector organizations during the academic year 2025–26 by providing technical consultancy and testing services in the field of civil engineering and infrastructure development.

During the academic year, C-RIC generated a total consultancy revenue of ₹1,44,750 through various consultancy and testing assignments undertaken for reputed government organizations and agencies. The major clients served by the Centre included: Local Self Government Department (LSGD), Kerala, Kerala Water Authority (KWA), Rebuild Kerala Initiative, Kerala State Coastal Area Development Corporation Ltd. And Kerala State Nirmithi Kendra

The Centre undertook a variety of consultancy and quality assurance activities related to construction and infrastructure projects. Major services rendered included:

- **Material Testing of Construction Materials:** Laboratory testing of construction materials to assess quality, strength, durability, and compliance with relevant standards.
- **Field Density Determination:** Conducting field density tests to evaluate compaction quality and ensure compliance with construction specifications.
- **Site Visits and Inspections:** Technical inspections and field evaluations of ongoing road construction and infrastructure projects.
- **Subgrade Analysis and Soil Evaluation:** Assessment of soil characteristics and subgrade conditions to support pavement and foundation design.
- **Vetting of Structural Designs:** Technical scrutiny and validation of structural designs to ensure safety, stability, and conformity with applicable codes and standards.

Through these activities, C-RIC has contributed significantly to improving the quality and sustainability of infrastructure projects while providing practical exposure to faculty members and students. The Centre continues to serve as a bridge between academia, industry, and government agencies by offering reliable technical expertise, research-based solutions, and professional consultancy services.

5.4 Patent Details

Faculty Patents					
AI & ML Department					
Sl. No	Title of Patent	Application / Design No.	Date	Inventor(s)	Type
1	<i>Wearable Brain Machine Interface For Intuitive Control For External Devices</i>	Application No. 202541090266	24/10/2025	Dr. Teena Joseph, Dr. Renisha P Salim, Prof. Induja I	Patent (Published)
2	<i>Smart Spy Goggle For Collecting Images And Real Time Storing On Cloud</i>	Design No. 475603-001	01/10/2025	Dr. Renisha P Salim	Design Patent
3	<i>AI-Enhanced Brainwave Modulation System for Reduction and Focus Improvement</i>	Application No. 202541100412A	28/11/2025	Prof. Anand V. J.	Patent (Published)
CE Department					
Sl. No	Title of Patent	Application / Design No.	Date	Inventor(s)	Type
4	<i>AI Based Device to Detect Construction Failure</i>	Design No. 480421-001	15/11/2025	Dr. M John Robert Prince	Design Patent

5	<i>DUAL BIOPOLYMER STABILISED, COIR REINFORCED DRY READY-MIX CLAY PLASTER COMPOSITION AND KIT</i>	Application No. 2026410571 14.	22/05/20 26	Prof. Joan Mary Jojo, Dr Praveen Nagarajan, Prof. Juby Paul, Dr. Sudha Das	Patent (Published)
6	<i>Glulam Timber Composite Beams for Sustainable Structural Application and Method of Manufacture thereof</i>	Application No: 2026410583 19	07/05/20 26	Prof. Joan Mary Jojo, Dr Praveen Nagarajan	Patent (Published)

CSE Department

Sl. No	Title of Patent	Application / Design No.	Date	Inventor(s)	Type
7	<i>A Collaborative AI-Driven Framework for Secure Drug Discovery</i>	Application No. 2025410794 41A	05/09/20 25	Prof. Mahesh S	Patent (Published)
8	<i>Wearable Brain Machine Interface for Intuitive Control for External Devices</i>	Application No. 2025410902 66	24/10/20 25	Dr. Bibin Vincent	Patent (Published)

9	<i>AI-Enhanced Brain Wave Modulation System for Stress Reduction and Focus Improvement</i>	Application No. 2025411004 12A	28/11/2025	Prof. Teena M Thomas	Patent (Published)
10	<i>AI-enabled image-based quality inspection system with adaptive optical capture and realtime defect classification</i>	Application No. 2026410649 66	22/05/2026	.Prof. Mahesh S, Prof.Rejeenth V. R., Prof. Geethu Mohan,	Patent (Published)
11	<i>Adaptive federated machine learning system for real-time anomaly detection and threat mitigation in industrial iot networks</i>	Application No.	22/05/2026	Prof. Jissin Kurian, Prof. Shyma Kareem, Prof. Teena M. Thomas	Patent (Published)
ECE Department					
Sl. No	Title of Patent	Application / Design No.	Date	Inventor(s)	Type
12	<i>A Wearable Electronic Band for Repelling Animals and Method Thereof</i>	Application No. 2026410201 31 A	06/03/2026	Mr. Blesson Mathew Wilson, Mr. Binsen B, Mr. Savio Joy, Mr. M Praveen Kumar, Mr. Sreerag R, Dr. Tintu Mary John, Dr. Ajit Prabhu V	Patent (Published)

13	<i>An Autonomous Excavator for Land and Amphibious Operations with Gyro Stabilizer and Multi Domain Rescue Mission Modules</i>	Application No. 2026410197 86	06/03/20 26	Mr. Sooraj Anil	Patent (Published)
14	<i>An Autonomous Agricultural Vehicle for Plant Health Assessment and Adaptive Precision Fertilizer Application</i>	Application No. 2026410316 79	27/03/20 26	Mr. Sooraj Anil	Patent (Published)
15	<i>AI Based Early Detection System For Dry Eye Diseases.</i>	Application No: 2026410228 16 A	06/03/20 26	Mr. Philip P Geevarghese , Ms. Ahalya S Anil , Mr. Alen K Sabu , Dr. Tintu Mary John , Prof.. Bejoy Antony , Prof.. Chinjulekshmi P S , Prof.. Rini T Jacob , Prof.. Thushara Thulasi , Prof.. Shinu James , Prof.. Anuja R Mathew	Patent (Published)
ME Department					

Sl. No	Title of Patent	Application / Design No.	Date	Inventor(s)	Type
16	<i>SYSTEM AND METHOD FOR RECOVERING SAP AND PLASTIC FROM DIAPER WASTE</i>	Application No. 2025410619 48 A	07/11/2025	Dr. S. Sarath, Shon P Sunil, Anil Prasad, Afeef A, Jobin B Abraham	Patent (Published)
17	<i>Manual Tuber Harvesting Tool for Tuber Crop Extraction</i>	Application No. 2026410226 44 A	20/03/2026	Dr. Vipin Gopan, Dr. S. Sarath, Dr. Ajit Prabhu V, Abhinav K Biju, Gokul V G, Nirmal U K, Harikrishnan J	Patent (Published)
18	<i>Method and Device for Retrofitting CNC Machines to Perform Additive Friction Stir Deposition Process</i>	Application No. 2025410520 46	13/06/2025	Dr. Vipin Gopan, Mr. Adwaith Anil, Mr. Akash Ajith Kumar, Mr. Anandhu Krishnan, Mr. Vinay Vinod	Patent (Published)
19	<i>A Retrofit table Device for Additive Friction Strip Deposition on CNC Machine and Method thereof</i>	Application No. 2025410520 46	29/05/2025	Dr. Vipin Gopan	Patent Grant

6. Extension and Outreach activities undertaken

STCET is committed to its social responsibilities through various extension and outreach activities. During 2025-2026, the following noteworthy outreach activities were carried out: (i) Jeevan Raksha 3.0 – Blood Donation Camp organized by the Civil Engineering Department in July 2025, promoting community health awareness; (ii) Plastic Waste Collection Drive at Alappuzha Beach, organized as part of the NSS activities, promoting environmental awareness among students; (iii) The Department of Agricultural Engineering took initiative in the formation of the Department of Agriculture Engineering under the Government of Kerala, contributing to policy advocacy and sectoral development; (iv) NSS unit of the college conducted community service programs in the local area, including health camps and literacy initiatives; (v) IEEE and other professional body chapters organized awareness workshops for school students and conducted outreach programs promoting STEM education.

7. Financial Report

The annual financial statements of St. Thomas College of Engineering & Technology are audited by a Chartered Accountant and placed before the Finance Committee and Governing Body for approval. The financial reports for the year 2025-2026 are being compiled. The college receives funds from student fee collections, grants from Government of Kerala, AICTE-approved schemes, and contributions from the management. The expenditure covers faculty and staff salaries, infrastructure maintenance and development, laboratory equipment, library resources, academic activities, and welfare measures for students and staff. The Annual Finance Report for 2025-2026 will be placed before the Governing Body as per UGC norms.

8. Placements

STCET has been actively conducting campus placement drives during 2025-2026. The college has tie-ups with major recruiters including TCS, Infosys, Wipro, Capgemini, Hexaware, Tech Mahindra, Sutherland, Experion Technologies, IBS Software, HTC Global Services, Virtusa, Zion, Orion, Marymatha, EKK, Pivot, Poornam, Ompactive, 6D Technologies, and 7EDGE, among others. A major campus drive was held for Brakes India, resulting in 13 Mechanical

Engineering students securing offers in January 2026. Ben S George of CSE secured placement at Carestack at a package of 11 Lakhs per annum. The Department of AE recorded 14 placements in January 2026. The Placement Cell, under the guidance of the Principal and faculty coordinators, continuously engages with industry partners to ensure maximum placement opportunities for eligible students. Total number of students placed during 2025-2026 (July 2025 to February 2026): 30+ students across departments.

The institution recorded significant placement achievements during the academic year 2025-26:

Department-wise Placement Summary	
Department	Number of Placements
AG	17
AI & ML	23
CE	2
CSE	33
ECE	11
EE	3
ME	13
Total	102

9. Internships & Skill Development Programs

9.1 Student Internships for Autonomous Batch (2025-29)

After the completion of the Second Semester End Semester Examinations, the College organized department-specific internship and training programmes for first-year B.Tech students during June–July 2026. The programmes were designed to bridge the gap between academic learning and industry requirements by providing students with practical exposure and hands-on training in emerging technologies and engineering tools.

The Department of Agricultural Engineering received training in IoT and Python through Network Systems, Mavelikara. Students of the Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) underwent training in Advanced Python Programming, Automation, and Application Development conducted by Pragyan SmartAI Technology LLP, Bangalore. Civil Engineering students were trained in Drafting and Annotation using AutoCAD by Arcite Educational Pvt. Ltd., Kollam, while Electrical and Electronics Engineering students completed training in AutoCAD Electrical through CAD Desk, Thiruvalla. Mechanical Engineering students participated in an industrial training programme on CNC Machining, Injection Moulding, and Industrial Manufacturing Processes at the MSME Technology Development Centre, Thiruvalla.

Most of the training programmes were conducted on the College campus, while the Mechanical Engineering programme was held at the MSME Technology Development Centre, Thiruvalla. These internship and training programmes enhanced the students' technical competencies, software proficiency, and industry readiness, thereby complementing the academic curriculum with practical learning experiences.

9.2 Skill Development Programmes

Sl. No.	Organized By	Programme Title	Duration/Date
1	AI & ML	Large Language Models (LLMs)	July 2025 (2 Days)
2	AI & ML	Python	July 2025 (5 Days)
3	AI & ML	Machine Learning for Beginners	September 2025 (1 Day)
4	Civil Engineering	AutoCAD Drafting	September 2025 (2 Days)
5	AI & ML	Bridging Theory and Practice in Software Engineering	October 2025 (1 Day)
6	Civil Engineering	Total Station Surveying	October 2025 (2 Days)

7	Computer Science & Engineering	Artificial Intelligence and Machine Learning	December 2025 (3 Days)
8	Computer Science & Engineering	Python for Machine Learning	December 2025 (3 Days)
9	Electronics & Communication Engineering	Python & Machine Learning	December 2025 (2 Days)
10	Civil Engineering	PRIMAVERA	February 2026 (3 Days)
11	Civil Engineering	Revit	March 2026 (2 Days)

9.3 Entrepreneurship Development activities by IEDC and Departments

Event Title	Date	Venue / Mode	Resource Person(s)	Participants	Key Highlights	Outcome
GIT IT STARTED – Introduction to GitHub	3-Sep-25	Online (Google Meet)	Joanne	30	Introduction to GitHub, repositories, commits, branching, pull requests, collaborative workflows, and live	Participants gained practical exposure to version control tools and were encouraged to use

					demonstration of repository creation and GitHub operations.	GitHub for academic projects and collaborative learning.
Inauguration of Robotics Club & ROS2 Workshop	24-Sep-25	CSE Seminar Hall	Dr. Divya Udayan, Prof. Nisha K. S. (Workshop) ; Krishnanunni J. S. (Inauguration)	80	Expert sessions and hands-on training on robotics, automation, ROS2, robotic systems, and AI applications.	Enhanced students' practical knowledge in robotics and ROS2, promoting interdisciplinary learning and strengthening the institution's robotics ecosystem.
Erudite on Campus Colloquium – Innovation & Creativity	1-Aug-25	St. Thomas College of Engineering & Technology , Chengannur	Dr. Vinod V, Professor, Mechanical Engineering, NSS College of Engineering, Palakkad	100	Sessions on design thinking, innovation cycles, interdisciplinary learning, problem-solving approaches, and entrepreneurship through real-life examples and	Created awareness about innovation-driven learning, strengthened industry-academia interaction, and

					interactive discussions.	motivated participants to develop innovative solutions for societal and industrial challenges.
Dekathon 4.0 – Sustainable Development Goals: Innovate for a Sustainable Tomorrow	22–24 January 2026	St. Thomas College of Engineering and Technology (Autonomous), Chengannur	Academicians, Startup Mentors, Scientists, and Industry Experts	78 Teams	Three-day Indo-Malaysian international hackathon organized jointly with UiTM Malaysia, KTU, and KSUM. Included mentoring sessions, startup workshops, pitch deck training, technical evaluations, cultural programs, networking opportunities, and a prize pool of ₹1.25 Lakhs.	Fostered international collaboration, promoted startup culture and innovation-driven learning, strengthened academic partnerships, and inspired sustainable solutions aligned with UN SDGs.

10. Faculty Training and Development

10.1 Faculty Development Programs conducted

AICTE-ATAL Faculty Development Programme – Programme Details	
Programme Title	Intelligent Systems for Smart Cities and Urban Mobility
Organising Department	Department of Civil Engineering, St. Thomas College of Engineering & Technology
Programme Type	AICTE-ATAL Faculty Development Programme (FDP)
Duration	Six Days
Dates	01 December 2025 – 06 December 2025
Objective	To provide faculty members with advanced knowledge and practical exposure in the areas of intelligent systems, smart infrastructure, and sustainable urban mobility.
Inaugural Chief Guest	Dr. Ashish Verma, Professor, IISc Bengaluru
Inaugural Address Topic	Smart Mobility and Sustainability-Driven Urban Planning
Industrial Visit	Smart City Thiruvananthapuram – Intelligent Transport Management Systems and Adaptive Traffic Control Systems
Activities	Expert technical sessions, article discussions, research paper analysis, hands-on learning activities, and industrial visit

Total Participants		40 (Internal and external faculty members from within and outside Kerala)
Outcome		Fostered collaboration and professional development in smart cities and sustainable urban mobility
Expert Resource Persons & Session Topics		
Sl. No	Resource Person & Affiliation	Session Topic
1	Dr. Tom V Mathew, Professor, IIT Bombay	Intelligent Transport Systems
2	Dr. M. Sivakumar, NIT Calicut	Smart Infrastructure for Sustainable Urban Growth
3	Dr. Sudheer Padikkal, General Manager, KIIDC	Smart Water Supply and Wastewater Management
4	Dr. George K. Varghese, NIT Calicut	Solid Waste Management in Smart Cities
5	Mr. Arun Chandran, Senior Scientist, NATPAC	Road Safety and Traffic Management
6	Dr. Bhavathrathan, IIT Palakkad	Freight Transportation in Smart Cities
7	Dr. S. Chandrakaran, Professor, NIT Calicut	Soil Stability Analysis for Smart Cities
8	Dr. B. Anil, Former Principal, CET	Research Methodology

10.2 FDPs attended by the faculty members

Department	Name of the Faculty	Number of FDPs
AG	Dr.Aiswarya L	1
	Prof. Selvan P	1
	Prof. Noorbina Razak	1
AI & ML	Dr. Teena Joseph	4
	Dr.Renisha. P Salim	3
	Prof.Rejeenth V R	2
	Prof. Anand V.J.	3
	Prof. Anish George	3
	Prof. Induja I	3
	Prof. Rajeena Rahman	1
CSE	Prof. Teena M Thomas	8
	Prof. Juby Raju	1
	Prof. Aswathy R	4
	Prof. Arathy Vijayan	2
	Prof. Jissin kurien	3
	Prof. Mahesh S	3
	Prof. G eethu Mohan	2
	Prof. G eethu Mohan	2
	Prof. Nimisha Philip	1

	Prof. Santhymol T	1
	Prof. Shyma Kareem	2
	Prof.Prasanth G	1
	Dr Bibin Vincent -3	3
CE	Prof.Chris Merin Varghese	3
	Dr. M John Robert Prince	2
	Prof.Saritha V	5
	Prof.Juby Paul	4
	Prof.Joan Mary Jojo	1
	Prof.Divya G Kumar	5
	Prof.Helen Thomas	2
ECE	Dr. Tintu Mary John	2
	Prof.Bejoy Antony	2
	Prof.Shinu James	1
	Prof. Chinjulekshmi	2
	Prof. Rini T Jacob	2
	Prof. Thushara Thulasi	2
	Prof.Anuja R Mathew	4
EEE	Dr. Manoj kumar T	3
	Prof. Revathy Anil	2
	Prof. Lakshmi	1
	Prof. Abidha	1
ME	Prof.Rathish Ravindran	5
	Prof.Roshin Thomas Varughese	3
	Prof.Vishal Raman	2

	Prof.Joju P John	2
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10.3 Faculty Achievements

Faculty Achievements & Recognitions			
AG Department			
Sl. No	Faculty Name	Achievement / Recognition	Category
1	Prof. Noorbina Razak	Best Paper Award (Oral Presentation) at National Research Conference, held from 09 February 2026 to 11 February 2026.	Award
AI & ML Department			
Sl. No	Faculty Name	Achievement / Recognition	Category
2	Dr. Teena Joseph	Conference Reviewer, Conference Evaluator, and Resource Person.	Professional Service
3	Dr. Renisha P Salim	KTU Board of Studies (BoS) Member; Conference Reviewer; KTU Examination Question Paper Scrutiny Member.	Professional Service

4	Prof. Anand V. J.	Resource Person; SNIT DAB (Departmental Advisory Board) Member.	Professional Service
CSE Department			
Sl. No	Faculty Name	Achievement / Recognition	Category
5	Dr. Ram Mohan N. R.	Recognised as Research Supervisor by APJ Abdul Kalam Technological University (KTU), with effect from 23 October 2025.	Academic Recognition
6	Dr. Bibin Vincent	Recognised by Deep Science Publishing (DOI: https://doi.org/10.70593) for serving as a Member of the Editorial Board.	Editorial Board
		Elsevier Reviewer- Reviewed 1 article Journal name: Pattern Recognition	Professional Service
		Conference Reviewer.	Professional Service
7	Prof. Mahesh S & Prof. Arathy Vijayan	Published a book on Operating Systems based on the KTU 2024 scheme.	Book Publication
ECE Department			
Sl. No	Faculty Name	Achievement / Recognition	Category

8	Dr. Tintu Mary John	Conference Reviewer.	Professional Service
EE Department			
Sl. No	Faculty Name	Achievement / Recognition	Category
9	Dr. Manoj Kumar T	KTU Examination Question Paper Setter; KTU Examination Question Paper Scrutiny Member.	Professional Service

11. Students' Professional Development and Professional Bodies

Institution of Engineers (India) – IEI Student Chapter Activities

Engineers' Day Celebration and Technical Seminar

The IEI Student Chapter celebrated Engineers' Day on 15 September 2025 to commemorate the birth anniversary of Bharat Ratna Sir M. Visvesvaraya. As part of the celebrations, a technical seminar was organized on emerging trends in transportation and automotive engineering.

The seminar featured two expert sessions:

- “Intelligent Transport Systems: A New Paradigm for Mobility” by Er. Anish Kini, Scientist, National Transportation Planning and Research Centre (NATPAC).
- “Trends and Future of IC Engines” by Er. Shibu N. Soman, AVG Motors Pvt. Ltd.

The sessions provided participants with valuable insights into smart transportation technologies, sustainable mobility solutions, advancements in automotive engineering, and future developments in internal combustion engine technologies. Students actively interacted with the resource persons and gained exposure to current industry practices and research developments.

Builders' Association of India (BAI) Student Chapter Activities

➤ Seminar on “Hoping, Opting & Innovating Opportunities”

A seminar titled “Hoping, Opting & Innovating Opportunities” was conducted on 15 October 2025 under the auspices of the BAI Student Chapter. The session was handled by Ar. Aswin Ipe Philip, Principal Architect, IPE Design Work.

The resource person shared his professional experiences and highlighted emerging opportunities in the construction and design sectors. The session encouraged students to explore innovative approaches, entrepreneurial opportunities, and multidisciplinary career pathways in the built environment sector.

➤ Two-Day Total Station Training Programme

To enhance practical surveying skills among students, a Two-Day Total Station Training Programme was organized on 13 October 2025 and 20 October 2025. The programme provided hands-on training in the operation of Total Station equipment, field data collection, setting out works, and surveying applications in construction projects. Students gained valuable practical exposure to modern surveying techniques widely used in the industry.

Field Visit on Construction Using Waber Blocks

A field visit was organized on 19 February 2026 to observe construction practices employing Waber Block technology. The visit enabled students to understand the manufacturing process, construction methodology, advantages, and sustainability aspects of Waber Blocks. Participants gained first-hand exposure to innovative building materials and contemporary construction techniques adopted in the industry.

SAEINDIA

St. Thomas College of Engineering & Technology has been actively promoting professional body activities through SAEINDIA, which serves as an important technical platform for students interested in mobility engineering, automotive systems, product design, manufacturing, agricultural mechanization and innovation. The purpose of having SAEINDIA as a professional body in the institution is to connect classroom learning with real engineering practice. It encourages students to become members of a recognized technical forum, participate in national-

level competitions, interact with experts, work in teams, prepare technical documents, develop prototypes and improve their professional confidence. Through SAEINDIA, students get exposure to industry-oriented problem solving, leadership, communication, project planning and hands-on engineering activities.

Purpose and Benefits

The SAEINDIA professional body supports the academic development of students by creating opportunities beyond the syllabus. It helps students understand how engineering knowledge is applied in the design and development of useful products. The body also supports outcome-based education by promoting experiential learning, interdisciplinary teamwork, innovation, technical documentation and project management. It is particularly useful for Mechanical Engineering students as it provides practical exposure in design, fabrication, costing, testing, automotive engineering, mobility systems and agricultural machinery. The activities conducted under SAEINDIA also help the department in strengthening student skill development, professional membership, technical culture and institutional visibility.

Major Activity: SAEINDIA TIFAN 2026

The major activity carried out under SAEINDIA was the participation in SAEINDIA TIFAN 2026, a national-level competition known as Technology Innovation Forum for Agricultural Nurturing. The theme for TIFAN 2026 is “Automated Multi-Vegetable Transplanter”, which focuses on developing a mechanized solution for transplanting different vegetable seedlings efficiently. Dr. S. Sarath served as the Faculty Coordinator for the TIFAN 2026 team from St. Thomas College. A multidisciplinary student team was formed with members from Mechanical Engineering and Agriculture Engineering, thereby encouraging interdepartmental collaboration. The team completed Phase 1 registration successfully and qualified the first round. Subsequently, the team progressed to the second round/Phase 2 process, which included further registration, Proof of Concept preparation, design refinement, costing documentation and technical report preparation.

12. Campus Community-Activities

At St. Thomas College of Engineering & Technology (STCET), our institutional mission emphasises not only academic excellence but also “Social Connect – organise socially relevant outreach programmes for the benefit of humanity.” Grounded in this vision, our students and

faculty engage in diverse outreach endeavours that extend learning beyond the classroom and foster meaningful community interaction. From environmental drives and public-health awareness campaigns to rural educational initiatives and socio-technical interventions, the college serves as a hub for student-led service, innovation and compassion.

To give structure and focus to these efforts, STCET supports dedicated units of the National Service Scheme (NSS) — Units 318 and 553 — that channel student energy into sustained community action. These NSS units coordinate regular volunteering platforms, partner with local organisations, and empower students to become socially responsible engineers. By nurturing leadership, empathy and practical engagement, the NSS at STCET exemplifies our commitment to linking technical education with societal progress.

The National Service Scheme (NSS) at St Thomas College of Engineering and Technology (STCET), Chengannur, is a dynamic platform that integrates education with community engagement. Established in 2016 with Unit 553 and later strengthened by Unit 318, the NSS cell has grown into a vibrant movement that unites young engineers with society through service, innovation, and compassion.

Guided by the Dean (Student Development) Dr. S. Sarath and Program Officers Mrs. Joan Mary Jojo and Mr. Shinu James, the two units together, with a total enrolment of 100 volunteers per academic year, embody the motto “*Not Me But You.*” Over the years, NSS at STCET has built a reputation for impactful social action, technical volunteering, and leadership development — helping students apply classroom learning to solve real-world challenges.

VISION AND CORE INITIATIVES

NSS STCET strives to create socially responsible engineers who can blend technology with empathy. The units function through five key verticals introduced by KTU NSS Technical Cell:

1. NRPF – National Resource Protection Force: activities for environmental protection, water conservation, and sustainable living.
2. Rudhirasena: a student blood-donor network and healthcare volunteering wing.
3. PACE – Project on Accident-Free Campus Environment: campaigns for road safety, safe commuting, and community traffic awareness.
4. KTU-Care: service and palliative-care initiatives that reach vulnerable groups.

5. Energy Cell: awareness programs on energy conservation and renewable-energy literacy. Each initiative aligns social needs with the technical competencies of students, nurturing a sense of belonging and civic responsibility. HIGHLIGHTS OF ACTIVITIES (2022 – 2026)

Academic Year 2025–2026 – Strengthening Social Responsibility and Community Engagement

The academic year 2025–2026 witnessed NSS Units 318 & 553 of STCET continuing their commitment to creating socially conscious engineers through awareness campaigns, healthcare initiatives, environmental activities, and student development programmes. The activities focused on promoting responsible citizenship, public health, community service, and leadership among volunteers.

Key Activities Conducted

• Anti-Drug Awareness Programme – “ലഹരി മുക്തം, ബാമ്പനം എന്ററെ കൂട്ടംബന്ധം” (26 June 2025)

- Organized as part of Anti-Drug Day observance.
- Conducted online competitions including Poetry Writing, Short Film Making, Reel Competition, Essay Writing, Caption Writing, and Speech Competition.
- Promoted awareness about the dangers of substance abuse and encouraged youth participation in building a drug-free society.
- Engaged students creatively in social awareness initiatives.

• Anti-Ragging Awareness Session (13 August 2025)

- Conducted during Anti-Ragging Week (12–18 August 2025).
- Led by Adv. C. N. Premkumar, President, Bar Association, Thiruvalla.
- Covered legal provisions, UGC guidelines, responsibilities of students, and grievance redressal mechanisms.
- Reinforced the importance of maintaining a safe, respectful, and inclusive campus environment.

• Jeevan Raksha 3.0 – Blood Donation Camp

- Organized under the Rudhirasena initiative.

- Mobilized students, faculty, alumni, and community members for voluntary blood donation.
- Strengthened the institution's blood donor network.
- Promoted humanitarian values and healthcare volunteering among students.
- Tree Tagging and Biodiversity Documentation Programme
 - Conducted under NRPF environmental initiatives.
 - Identified and documented tree species within the campus.
 - Created awareness regarding biodiversity conservation and environmental sustainability.
 - Encouraged students to actively participate in ecological preservation efforts.
- Anti-Drug Awareness and Prevention Campaigns
 - Additional awareness programmes and sensitization activities conducted during September 2025.
 - Educated students on the social, physical, and psychological consequences of drug abuse.
 - Encouraged healthy lifestyle choices and responsible citizenship.
- NSS Orientation and Volunteer Development Activities
 - Programmes aimed at introducing NSS values, objectives, and community engagement opportunities.
 - Motivated volunteers to participate actively in social service and leadership initiatives.
 - Enhanced teamwork, communication skills, and civic responsibility.

THEMATIC AREAS AND SOCIAL IMPACT

1. Health and Well-Being:

Through Rudhirasena, the units conduct recurring blood-donation camps, AIDS-Day campaigns, and medical orientations, nurturing a spirit of care and preparedness.

2. Environment and Sustainability:

Tree-planting, waste-management, energy-awareness drives, and water-resource protection activities have positioned STCET as a green campus with visible community influence.

3. Education and Empowerment:

Special school visits, debates, essay competitions, and orientation classes create avenues for personal growth and inclusivity.

4. Women Safety and Leadership:

Self-defense sessions and Women's Day events promote gender equality and leadership among young women.

5. Civic Engagement and Cultural Integration:

Participation in Independence Day, Republic Day, Meri Mati Mera Desh, and Swachhata campaigns strengthens national spirit and civic responsibility.

6. Technical Volunteering:

Programs such as Drone Training, Energy Cell Meet, and PACE road-safety workshops convert engineering skills into social applications.

LEARNING OUTCOMES AND INSTITUTIONAL BENEFITS

Participation in NSS activities develops essential professional attributes among students:

- Teamwork and Leadership: managing events, coordinating volunteers, and engaging with public stakeholders.
- Problem Solving in Societal Context: applying design and analytical thinking to environmental and community issues.
- Ethics and Sustainability: understanding the moral dimension of engineering practices.
- Communication and Empathy: interacting with diverse social groups and communicating ideas for social change.

For the institution, NSS serves as a bridge to the local community, enhancing visibility and fostering collaborations with government departments, schools, and NGOs.

QUANTITATIVE SUMMARY (2022 – 2026)

Academic Year	Activities (No.)	Approx. Volunteer Hours	Key Focus
2022 – 23	53	≈ 250	Community Service & Health Awareness

2023 – 24	69	≈ 400	Sustainability & Nation Building
2024 – 25	73	≈ 500	Technical Outreach & Environmental Action
2025 – 26	50	≈ 450	Health Awareness, Community Engagement & Leadership Development

Total: 195 activities and over 1,100 hours of documented service.

13. Students' Sports and Games

The Department of Physical Education actively promoted sports and games during the academic year 2025–26 by organizing major sporting events and facilitating student participation in university-level competitions.

Sports Events Conducted

1. The institution successfully hosted the C-Zone Volleyball Tournament under APJ Abdul Kalam Technological University, providing a competitive platform for student athletes from various affiliated colleges.
2. The Intra-Collegiate Athletics Meet, “RAPIDO 2025-26”, was organized on 23 August 2025. The event witnessed enthusiastic participation from students across all departments and promoted sportsmanship, teamwork, and physical fitness.

Outstanding Individual Achievements

1. Nazeeb N (S6 Computer Science & Engineering)
 - Represented APJ Abdul Kalam Technological University at the All India Inter-University Athletics Championship 2025–26 held from 12–16 January 2026 at Swarajya Maidan, Mangalore.
 - Secured 1st Place in High Jump and 1st Place in Long Jump at the KTU Intercollegiate Athletics Meet 2025–26 held in Thiruvananthapuram. Established a new University Record, bringing distinction to both the institution and the University.
2. Abhishek B (S6 Civil Engineering)

- Secured 1st Place in Shot Put at the KTU Intercollegiate Athletics Meet 2025–26 held in Thiruvananthapuram, demonstrating exceptional athletic performance.

Team Achievements

1. Girls Basketball Team

- Secured the Second Runner-Up Position at the KTU Zonal Basketball Tournament hosted by Amal Jyothi College of Engineering, Kanjirappally. The team's achievement reflects the institution's continued excellence and commitment to promoting women's participation in sports.

14. Conclusion

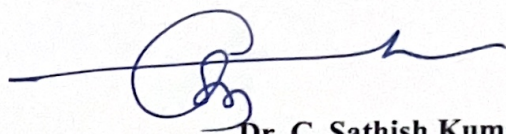
The academic year 2025–2026 has been a landmark year in the history of St. Thomas College of Engineering & Technology, Chengannur, marked by the successful transition to autonomous status and significant achievements across academic, research, administrative, and outreach domains. The institution has effectively utilized the opportunities provided by autonomy to redesign curricula, strengthen outcome-based education practices, and enhance the overall quality of technical education.

The College continued to foster academic excellence through curriculum innovation, faculty development initiatives, industry collaborations, student internships, and placement activities. Students brought laurels to the institution through achievements in academics, sports, innovation competitions, hackathons, entrepreneurship initiatives, and professional activities. Faculty members actively contributed to research through publications, patents, consultancy, and participation in professional development programmes, thereby strengthening the research ecosystem of the institution.

The establishment and effective functioning of statutory bodies such as the Governing Body, Academic Council, and Boards of Studies ensured transparent governance and academic quality assurance under the autonomous framework. Industry partnerships, Memoranda of Understanding, outreach programmes, and community engagement activities further strengthened the institution's commitment to societal development and stakeholder participation.

The College remains committed to its vision of becoming an institution of repute recognized for excellence in education, innovation, and social contribution. With the collective efforts of the management, faculty, staff, students, alumni, industry partners, and other stakeholders, STCET is poised to achieve greater milestones in the years ahead and continue its journey towards academic excellence, research innovation, and societal impact.

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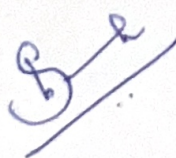
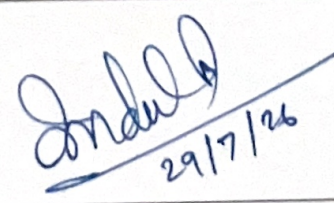
Dr. C. Sathish Kumar

Principal

St. Thomas College of Engineering and Technology

Verified by

External Peer Team

	
Prof. (Dr.) Shajan Kuriakose Director MBITS Engineering College, Kothamangalam, Kerala	Prof. (Dr.) Indulal G Principal St. Aloysius College, Edathua, Kerala