



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

Vellilode, Sivapuram PO. Mattanur. Kannur District, Kerala

Approved by AICTE New Delhi, Govt. Of Kerala and Affiliated to APJ Abdul Kalam Technological University

# GEEK-PRESS

Unveiling the World of Tech Wizards

**DEPARTMENT OF**  
COMPUTER SCIENCE & ENGINEERING



**Geekzone**  
COMPUTER SCIENCE AND ENGINEERING ASSOCIATION

**Volume 4 issue 2**  
**NOV 2025- FEB 2026**

# GEEK-PRESS

UNVEILING THE WORLD OF TECH WIZARDS

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VOL 4, ISSUE 2

AY-2025-2026



## VISION OF THE DEPARTMENT

To produce globally competent and socially responsible Computer Science Engineers.

## MISSION OF THE DEPARTMENT

### M1: Professional Skills

Provide students with opportunities to become industry-ready professionals and entrepreneurs through analytical learning.

### M2: Lifelong Learning

Maintain a lifelong learning attitude and stay current in their profession to foster personal and organizational development.

### M3: Engage with Society

Encourage students to focus on sustainable solutions, to improve quality of life and social welfare.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

### PEO1. Professional Practices

Apply engineering practices required for Software development, Hardware development and Embedded systems.

### PEO2. Intrapreneurial Skills

Exhibit innovation, Self – confidence and teamwork skills in the organization and society.

### PEO3. Lifelong Learning

Offer continuing education programmes in the emerging areas for the knowledge upgradation of stakeholders.

## PROGRAM SPECIFIC OUTCOMES (PSOS)

**PSO1:** Computer Science and Engineering students can analyse, design, develop, test and apply management principles, mathematical foundations in the development of computational solutions, making them experts in designing computer hardware and software.

**PSO2:** Develop their skills to solve problems in the broad area of programming concepts and appraise environmental and social issues with ethics and manage different projects in interdisciplinary fields.

# PROGRAM OUTCOMES (POS)

**Engineering Graduates will be able to:**

**PO1 Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2 Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3 Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4 Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5 Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6 The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7 Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9 Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10 Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11 Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12 Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

# EVENTS

## EXPERT TALK ON DECODING THE PROCESSOR: MACHINE TO RISC

**St. Thomas College of Engineering & Technology**  
Vellilode, Sivapuram PO, Mattanur, Kannur District, Kerala  
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PRESENTS

### EXPERT TALK ON "DECODING THE PROCESSOR: MACHINE TO RISC"

**MR. JIBIN E P**  
Associate Professor  
KMCT INSTITUTE OF EMERGING  
TECHNOLOGY AND MANAGEMENT

STAFF COORDINATORS:  
Ms. Navya N C - AP CSE  
Dr. Sreekesh Nambodiri T - HOD CSE

16 DECEMBER, 2025 | 9:30 AM - 4:30 PM  
VENUE: LECTURE HALL 1

Geekzone

The Department of Computer Science and Engineering at St. Thomas College of Engineering and Technology organized an expert talk titled "Decoding the Processor: Machine to RISC" on 16th December 2025 at Lecture Hall 1, delivered by Mr. Jibin E P, Associate Professor at KMCT Institute of Emerging Technology and Management. The session provided valuable insights into processor fundamentals, machine language, and the evolution of computer architectures, with a detailed comparison between CISC and RISC design philosophies. The speaker explained instruction set concepts, load/store architecture, pipelining, shift and branching operations, and different types of instructions including arithmetic, logical, data transfer, and control instructions. Through clear explanations and practical examples, the session helped students understand how high-level programs translate into machine-level instructions and how modern RISC architectures enhance performance and efficiency. Overall, the talk was highly informative and strengthened students' conceptual foundation in processor architecture and system-level computing.



The interactive session also encouraged students to engage in discussions and clarify their doubts regarding instruction execution and architectural design. Real-world examples and simplified demonstrations made complex processor concepts easier to grasp. The talk concluded with an emphasis on building strong fundamentals in computer architecture, highlighting its importance in system-level programming, competitive examinations, and emerging technologies.



# HANDS-ON WORKSHOP ON “MASTERING LATEX SOFTWARE:A SCIENTIFIC DOCUMENTATION APPROACH

St. Thomas College of Engineering & Technology  
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
PRESENTS

## LaTeX WORKSHOP

MASTERING LaTeX SOFTWARE  
A SCIENTIFIC DOCUMENTATION APPROACH

📅 : 13/01/2026 & 15/01/2026

🕒 : 01.30 PM TO 4.30 PM

📍 : CSE LAB 1

🎯 : TARGET AUDIENCE S6 CSE

STAFF COORDINATOR :MS.SARITHA NARAYANAN (AP CSE)

RESOURCE PERSONS

Ms.Anu C  
Asst.Professor

Ms.Dinla O K  
Asst.Professor

The Department of Computer Science and Engineering, in association with GEEKZONE, successfully organized a two-day hands-on workshop on LaTeX software for the B.Tech 3rd year CSE students. The workshop was conducted on 13th January for Batch 1 and 15th January for Batch 2, from 01:30 PM to 04:30 PM at CSE Lab I. The session was led by Ms. Dinla OK, AP CSE, STM, and Ms. Anu C, AP CSE, STM, who provided both theoretical knowledge and practical exposure to LaTeX. The workshop covered key topics including introduction to LaTeX, basic commands, formatting of figures and tables, equation typesetting, and preparation of presentations using Beamer. The primary objective of the program was to equip students with the skills to create professional and IEEE-standard technical documents such as research papers, reports, theses, and presentations. Through this interactive session, students gained confidence in handling large documents, managing cross-references, generating bibliographies, and typesetting complex mathematical expressions, thereby supporting the attainment of CO-2 of CST 309 – Management of Software Systems and contributing to PO10.

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## Snapshots from LaTeX Workshop

Date: 13 and 15 January 2026  
Organised by Department of Computer Science and Engineering

Mattannur, Kerala, India  
Sivaparam, P.O, Mattannur, Kerala 670702, India  
Lat 11.91680° Long 76.624070°  
Thursday, 15/01/2026 04:30 PM GMT +05:30

Mattannur, Kerala, India  
Sivaparam, P.O, Mattannur, Kerala 670702, India  
Lat 11.91680° Long 76.624070°  
Tuesday, 13/01/2026 01:22 PM GMT +05:30

Mattannur, Kerala, India  
Sivaparam, P.O, Mattannur, Kerala 670702, India  
Lat 11.91680° Long 76.624070°  
Thursday, 15/01/2026 04:30 PM GMT +05:30

Mattannur, Kerala, India  
Sivaparam, P.O, Mattannur, Kerala 670702, India  
Lat 11.91680° Long 76.624070°  
Thursday, 15/01/2026 04:30 PM GMT +05:30

Mattannur, Kerala, India  
Sivaparam, P.O, Mattannur, Kerala 670702, India  
Lat 11.91680° Long 76.624070°  
Thursday, 15/01/2026 04:30 PM GMT +05:30

GEEKZONE

## EXPERT TALK ON “EXPLORING LINUX INTERNALS,PROCESS, THREADS AND SCHEDULING

The Department of Computer Science and Engineering at St. Thomas College of Engineering and Technology organized an expert talk on “Exploring Linux Internals, Process, Threads and Scheduling” on 07 January 2026 from 9:00 AM to 10:30 AM at Lecture Hall 1 for S4 CSE students. The session was delivered by Dr. Sreekesh Namboodiri T, Head of the Department of CSE, who shared his expertise on the internal architecture of the Linux operating system and its core components. The talk aimed to enhance students’ understanding of fundamental operating system concepts and their real-world applications.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
PRESENTS

**EXPERT TALK ON**  
"EXPLORING LINUX INTERNALS,  
PROCESS, THREADS AND SCHEDULING"

**DR. SREEKESH NAMBOODIRI T**  
HOD - CSE  
St. Thomas College of Engineering and Technology

STAFF COORDINATOR:  
Ms. Anju G - AP CSE

07 JANUARY, 2026 | 9:00 AM - 10:30 AM  
VENUE: LECTURE HALL 1 | TARGET AUDIENCE: S4 CSE

Geekzone

During the session, Dr. Sreelesh elaborated on process management, multithreading, CPU scheduling techniques, and the working principles behind efficient resource utilization in Linux systems. The interactive nature of the talk encouraged active participation and clarified key technical concepts for the attendees. Coordinated by Ms. Anju G (AP, CSE), the event proved to be highly informative and beneficial, equipping students with deeper insights into system-level programming and industry-relevant knowledge.

## A WEB DEVELOPMENT WORKSHOP: "DESIGN CODE DEPLOY"

The Department of Computer Science and Engineering at St. Thomas College of Engineering & Technology, in association with VBlaze, Geekzone, and Datasphere, successfully organized "Design Code Deploy: A Web Development Workshop" on 30 January 2026 at the CSE Lab 1. Conducted for 30 students from S4 CSE and S4 CD, the session aimed at strengthening foundational and practical knowledge in modern web development.

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VBLAZE IN ASSOCIATION WITH GEEKZONE, DATASPHERE & IIC  
PRESENTS

**DESIGN CODE DEPLOY:**  
A WEB DEVELOPMENT WORKSHOP

HTML

RESOURCE PERSONS

NEVIN R PRADEEP  
S8 CSE

NIRANJ C N  
S8 CSE

FATHIMA DIYA MUHAMMED C M  
S8 CSE

TARGET AUDIENCE: 30 STUDENTS FROM  
S4 CSE & S4 CD

STAFF COORDINATORS  
MR. JITHIN S (AP, CSE)  
MS. ANU C (AP, CSE)

STUDENT COORDINATORS  
MR. SOUHRUDH JEEVAN (S6 CD)  
MS. RIZA MEHAK (S6 CSE)

CSE LAB 1

9 AM TO 12:30 PM

6TH FEBRUARY 2026

VBLAZE  
The Developers

Geekzone | DATASPHERE | INSTITUTION'S INNOVATION COUNCIL

The workshop was led by resource persons Nevin R Pradeep, Niranj C N, and Fathima Diya Muhammed C M (S8 CSE), who provided an engaging and hands-on learning experience. Their structured approach ensured that participants not only understood theoretical concepts but also gained clarity through live demonstrations and guided practice.

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VBLAZE in association with GEEKZONE, DATASPHERE & IIC

Snapshots from  
DESIGN CODE DEPLOY: A WEB DEVELOPMENT WORKSHOP  
CONDUCTED ON 06/02/2026

Kannur, Kerala, India  
Office: Aardram Road, Thiruvananthapuram, Kerala  
097452 0248  
097452 0248 | 097452 0248  
Phone: 06022 2026 06 02 2026 (06:02:26)

Geekzone | INSTITUTION'S INNOVATION COUNCIL | DATASPHERE

Throughout the session, students explored HTML and CSS in detail, learning how to structure web pages effectively and enhance them with styling, layouts, and responsive design techniques. In addition, the workshop offered an in-depth introduction to GitHub, where participants were guided through version control concepts, repository creation, committing changes, and project deployment workflows. By the end of the program, attendees had developed a clearer understanding of how to design, code, and deploy a basic website, empowering them with essential skills for academic projects and future development endeavors. The workshop concluded on a highly positive note, inspiring students to continue exploring and building in the field of web development.

## MASTERING LINUX: A HANDS-ON-JOURNEY

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CSI STM  
*Presents*  
**MASTERING LINUX:  
A Hands-On Journey**

**CSI MEMBERS ONLY**

**AUDIENCE:** S2 CSE & CD  
**DATE:** 23/02/2026  
**TIME:** 3:00 PM - 4:30 PM

**AUDIENCE:** S6 CSE & CD, S8 CSE  
**DATE:** 26/02/2026  
**TIME:** 9:30 AM - 12:30 PM

**RESOURCE PERSON:**  
Dr. Sreekish Nambodiri T  
HOD CSE  
(CSI Lifetime Member)

**FACULTY COORDINATOR:**  
Ms. Vaishakhi V K  
AP CSE  
(CSI Coordinator)

**VENUE:** CSE Lab 1

The Department of Computer Science and Engineering at St. Thomas College of Engineering and Technology recently hosted an immersive and highly successful workshop titled "Mastering Linux: A Hands-On Journey." v

Designed to bridge the gap between theoretical computing concepts and real-world application, the event provided students with vital, industry-relevant skills in navigating and administering Linux environments. The comprehensive sessions were expertly led by resource person Dr. Sreekish Nambodiri T, HOD of CSE and CSI Member, who shared his extensive technical insights, while the event was meticulously coordinated by Ms. Vaishakhi V K, Assistant Professor and CSI Coordinator. Hosted in CSE Lab 1, the hands-on training was thoughtfully structured to cater to different academic levels. A foundational afternoon session was conducted on February 23, 2026, for junior students in the S2 CSE and CD batches, while a more intensive, three-hour morning workshop was held on February 26 for senior students, including the S6 CSE, S6 CD, and S8 CSE cohorts. Overall, the initiative saw enthusiastic participation and successfully empowered students with the practical command-line expertise essential for their future software engineering careers.

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Snapshots from  
**Mastering Linux: A Hands-on Journey**

**CSI STUDENT BRANCH STM**



# RESULT

Batch:-2022-2026



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Geekzone

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

## CONGRATULATIONS **S7 TOPPERS**



**RHUTHOSHIKA K**  
SGPA - 9.8



**SAMANTHA SHINE**  
SGPA - 9.8



**RIFA SALEEM**  
SGPA - 9.67



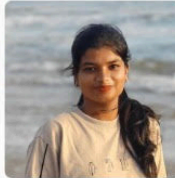
**JIBIN P V**  
SGPA - 9.3



**AYSHA P P**  
SGPA - 9.0



**NIRANJ C N**  
SGPA - 9.0



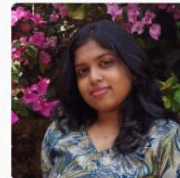
**ASHIKA RAVEENDRAN**  
SGPA - 8.9



**DEVATHMAJ A K**  
SGPA - 8.9



**NEVIN R PRADEEP**  
SGPA - 8.9



**CHANDANA S KRISHNA**  
SGPA - 8.6



**JAGAN K K**  
SGPA - 8.6



**SREYA SAJEEVAN**  
SGPA - 8.6



**ATHIRA RAJ**  
SGPA - 8.3



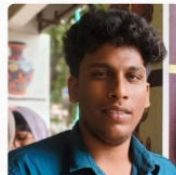
**RASHA VALSAN**  
SGPA - 8.3



**SREDHA DHANRAJ**  
SGPA - 8.3



**AHANA SUMESH**  
SGPA - 8.2



**ROHAN K P**  
SGPA - 8.1



**ABHINAV K**  
SGPA - 8.1



**FATHIMA DIYA**  
SGPA - 8.1



**MEGHNA C**  
SGPA - 8.0



**AKSHARA K**  
SGPA - 8.0



**MUHAMMED JINAS**  
SGPA - 8.0

# **EDITORIAL TEAM**

## **STAFF EDITORS**

Mr. Jithin S (Assistant Professor )

Ms. Anu C (Assistant Professor)

Ms. Anju G (Assistant Professor)

## **STUDENT EDITORS**

Mr. Niranj C N ( S8 CSE )

Mr. Nevin R Pradeep ( S8 CSE )

Mr. Muhammed Fayiz V C ( S8 CSE)

Mr. Devathmaj A K (S8 CSE)

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[www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in)