

**MINUTES OF THE THIRD MEETING
OF
THE BOARD OF STUDIES**

**DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING**

Date of Meeting: 14th July, 2026

Time: 10.00 am

Hybrid Mode

St. Thomas College of Engineering & Technology

Chengannur, Alappuzha District, Kerala State

www.stthomascollege.ac.in

(Autonomous)



St. Thomas College of Engineering & Technology

(Autonomous College affiliated to APJ Abdul Kalam
Technological University)

Chengannur, Alappuzha District, Kerala State

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MINUTES OF THE SECOND MEETING OF THE BOARD OF STUDIES

DEPT. OF COMPUTER SCIENCE AND ENGINEERING

Date of Meeting: 14th July, 2026

Time: 10.00 am

Hybrid Mode

Members Present:

1.	Dr.Bibin Vincent, HOD, Computer Science and Engineering STC	Chairman
2.	All Faculty members of Dept.of CSE	Members
3.	Dr. Saidalavi Kalady (Online)	Member
4.	Dr. S Janakiraman(Online)	Member
5.	Dr.Padmadas M(Online)	Member
6.	Dr.Subhasree M (Online)	Member
7.	Mr. Denny Santhosh (Online)	Member
8.	Dr. Manjith Kumar B, Dean (Academics), STC	Invitee
9.	Prof. Arathy Vijayan, Asst. Professor, Dept. of CSE	Member Secretary

MINUTES:

BOS:CSE 03.01	Chairman's welcome address & Introduction of members.
Discussion:	The Chairman welcomed all external and internal members to the Third Meeting of the Board of Studies (BoS) of the Department of Computer science and Engineering. The members were formally introduced in the meeting. He briefly explained the agenda of meeting.
BOS:CSE 03.02	Approval of the minutes of the second meeting of the Board of Studies held on 24.03.2026 and consideration of Action Taken Report
Discussion:	The chairperson highlighted the points and decisions taken in the Second meeting of BoS. The BoS members were requested to confirm the minutes of the 2 nd meeting.
Decision	Minutes of the 2 nd meeting of BoS held on 24.03.2026 was confirmed by all the members. The BoS approved the decisions taken in the 2 nd BoS meeting as well as the action taken report.

BOS:CSE 03.03	Consideration of syllabi of courses for the fifth and sixth semesters of BTech Program under Autonomous status.
Discussion:	The following modifications were proposed for the Semester V courses after detailed discussion by the Board. 25UCST502 Computer Networks It was resolved to include Circuit Switching and Packet Switching in Module I. The Board recommended expanding digital transmission techniques to include NRZ-L, NRZ-I, Bipolar AMI, Pseudoternary, Manchester, Differential Manchester, B8ZS, and HDB3. It was suggested to include ASK, FSK, BPSK, QPSK, 16-QAM, 64-QAM, and the basics of OFDM under digital-to-analog conversion. Module II shall include Subnetting (Classful and CIDR), Supernetting, VLANs, VPNs, Static and Dynamic Routing, and Layer 2 & Layer 3 Switching. The Board recommended the inclusion of SNMP and IPSec as mandatory protocols, while RARP, IGMP, and NTP may be covered as preferable topics. Module III shall include TLS, SSL, Telnet, SSH, FTP, XML, JSON, SOAP, REST, along with server technologies such as Web Server, Database Server, Proxy Server, Reverse Proxy, DNS Server, Load Balancer, Frameworks, and Drivers. Security appliances including Firewall, UTM, and NGFW shall also be incorporated. Module IV shall include emerging topics such as Web 3.0, OFDM Fundamentals, 5G NR Overview, and 6G Capabilities/Use Cases. 25UCST511 Programming Paradigms It was suggested to include Abstract Data Types in addition to Primitive Data Types. 25UCST513 Data Communication The preamble shall be revised for improved clarity. CO4 shall be modified to emphasize Layer-wise Protocols, Switching, Routing Techniques, and Network Interface Standards. The repeated topic on Digital Signals shall be removed. Latency and Throughput shall be included in Module I. Module II shall additionally include BPSK, QPSK, 16-QAM, 64-QAM, and OFDM Fundamentals. Existing Modules III and IV shall be merged, incorporating Network Layer Protocols. A new Module IV shall focus on Transport Layer, Session Layer, Presentation Layer, and Application Layer Protocols. 25UCST515 Wireless Sensor Networks Module IV shall include Integration of WSN with Drones and Robotic Applications. 25MCST502 Software Defined Networks Module I shall explicitly mention User Plane, Data Plane, and Control Plane, and the inclusion of Application Plane may be verified with standard literature. 25MCST503 Ethical Hacking The spelling of DDoS Attacks shall be corrected. Important security concepts such as Attack Vector, Attack Surface, Demilitarized Zone (DMZ), Perimeter Security, Firewall, UTM, and NGFW shall be included. 25HCST502 Generative AI The course title may be revised to Generative AI and Agentic AI. The relationship of RAG with Generative AI/Agentic AI shall be clarified. Examples of popular LLMs, applications, and tools such as MCP, OpenRouter, and GetMulti shall be included for practical understanding.

	In Semester VI 25UCST601 Design and Analysis of Algorithms, The course title shall be revised to Algorithm Analysis and Design. 25UCST603 Internet Programming The preamble shall be revised to emphasize Modern Web Application Development Tools and Techniques. Module I shall include IIS, Apache, Tomcat, Nginx, LAMP, WAMP, and XAMPP. Module II shall include modern JavaScript frameworks such as Vue.js, Node.js, React.js, Angular.js, Express.js, Next.js, and Nuxt.js. Module IV shall include Bootstrap, Django, .NET Framework, and SOAP & REST Web Services. 25UCSP605 Mini Project The Board recommended retaining the focus on Socially Relevant Projects. 25UCST612 Mobile Computing The preamble and CO4 shall be updated to include 5G and 6G Technologies. Module I shall comprehensively cover the evolution from 2G to 6G, including GSM, GPRS, EDGE, CDMA, UMTS, LTE, 5G NR, Massive MIMO, AI Integration, Satellite Communication, and Terahertz Technologies. Module IV shall include ATM and MPLS Technologies or consider relocating these topics to Computer Networks/Data Communication. 25UCST654 Software Engineering The syllabus was considered satisfactory. The Board suggested reviewing whether the course should continue as an elective or be included in the core curriculum.
Decision	The Board approved the proposed revisions to the Semester V and VI course syllabi. The recommended modifications shall be incorporated into the respective courses to enhance curriculum relevance, improve alignment with current technologies and industry requirements, and ensure better attainment of the programme outcomes. The revised syllabi will be implemented after incorporating the approved changes.
BOS:CSE 03.04	Syllabi of the courses to be offered by the Department for the First Year B.Tech programme for approval
Discussion:	The College is mandatorily following the KTU curriculum, syllabi and the regulations for all the academic programmes admitted until 2024-25 Batch, under the affiliated status. The batches admitted from the 2025-26 academic year onwards belong to the autonomous status, and follow the STC BTech Regulations 2025 and Curriculum under autonomy. However, the first year of the batch admitted in the 2025-26 academic year followed syllabi of KTU 2024 scheme, as per the approval of the First Meeting of Academic Council held on 21.10.2025. It was suggested in the Academic Council that the syllabi of the first year may be modified along with the next revision of the syllabi prepared for the higher semesters of STC under autonomy. Since the next updating of the syllabi is due only in the year 2028-29, the first-year

	syllabi of KTU 2024 scheme are proposed to continue in the first year for the batches admitted under autonomy until 2028-29. Then after, the syllabi of all courses, including the first-year courses will be revised.
Decision	The Board approved the continuation of the KTU 2024 Scheme first-year syllabi for all autonomous B.Tech batches admitted from the 2025–26 academic year until the academic year 2028–29, in accordance with the recommendation of the Academic Council. The Board further approved that the first-year syllabi shall be revised along with the comprehensive revision of the curriculum for all semesters scheduled in 2028–29.
BOS:CSE 03.05	Academic Calendar for the first and third semester B.Tech. for the Academic Year 2026-27
Discussion:	The Board discussed the proposed Academic Calendar for the First and Third Semester B.Tech programmes for the Academic Year 2026–27 under the autonomous system. The Board noted that the Academic Calendar had been formulated after detailed deliberations in the HoDs' meeting and was prepared in compliance with the guidelines of AICTE, UGC, and KTU while incorporating the flexibility available under the autonomous curriculum. The members reviewed the semester commencement and completion dates, Continuous Internal Evaluation (CIE) schedule, Internal Examination and End Semester Examination schedule, and the inclusion of important academic, cultural, and extension activities. The Board also noted that the calendar provides 73 instructional days along with adequate preparatory leave before the commencement of the End Semester Examinations, ensuring the effective conduct of academic activities.
Decision	The Board of Studies reviewed and approved the Academic Calendar for the First and Third Semester B.Tech programmes for the Academic Year 2026–27 under the autonomous system and recommended its implementation for further necessary action.
BOS:CSE 03.06	Reporting of major activities in the Department after the second meeting of Board of Studies
Discussion:	Faculty Development Program Organized (FDP Organized) The Department of Computer Science and Engineering has organized a Faculty Development Program on the topic “Artificial Intelligence Tools for Innovative Teaching Pedagogy”. The program was conducted online from 22.06.26 to 26.06.26 and was attended by 95 external faculty members and 20 internal faculty members. Patents Published 1. The faculty members of the department, Prof. Mahesh S, Prof. Arathy Vijayan, Prof. Rejeenth V R and Prof. Geethu Mohan together published a patent titled “AI -enabled image-based quality inspection system with adaptive optical capture and real time defect classification” in June 2026 2. The faculty members of the department, Prof. Jissin Kurien, Prof. Shyma Kareem, and Prof. Teena M Thomas together published a patent titled

	“Adaptive federated machine learning system for realtime anomaly detection and threat mitigation in industrial IoT networks” in June 2026 . Department Technical Fest (YVIDH 2026) The Department of Computer Science and Engineering successfully organized a departmental technical fest on 13th March 2026 as part of the Institutional Technical Fest – YVIDH 2026. The event aimed to enhance students' technical competency, logical thinking, and programming skills through competitive events. The major competitions conducted for autonomous students (Semester 2) were: Reverse Coding, Code Debugging, Paper Presentation and Project Exhibition
Decision	The Board of Studies noted with appreciation the activities and achievements of the Department during the period under review. The Board appreciated the successful organization of the online Faculty Development Program (FDP) on " Artificial Intelligence Tools for Innovative Teaching Pedagogy ", the publication of two patents by the faculty members, and the successful conduct of the departmental technical fest YVIDH 2026 , which provided a platform for enhancing students' technical and problem-solving skills. The Board congratulated the faculty members for their research contributions and encouraged the Department to continue organizing such academic and technical initiatives to promote innovation, research, and professional development.
BOS:CSE 03.07	Reporting the result of second end semester examination of the Autonomous batch admitted during 2025-26 Academic Year
Discussion:	The Second Semester End Examinations of B.Tech programmes under autonomy were conducted from 22.05.26 to 08.06.26 and results published on 16.06.26 according to the guidelines provided in the STC B.Tech Examination Manual 2025. A total of 96 students appeared for the exam and out of which 56 students passed and the pass percentage is 58.33%. Remedial classes for various subjects are arranged for the students who failed in those subjects and personal attention is given to help them out. The supplementary examinations for the Second Semester were scheduled between 06.07.26 and 17.07.26
Decision	The Board of Studies noted the conduct and timely publication of the Second Semester B.Tech End Semester Examination results for the Academic Year 2025–26. The Board reviewed the overall pass percentage and appreciated the Department's initiative in arranging remedial classes and providing individual academic support to students who had not cleared one or more subjects. The Board also noted the schedule for the supplementary examinations and recommended continuous monitoring of student performance and implementation of appropriate academic support measures to improve the pass percentage in the forthcoming examinations.
BOS:CSE 03.08	Reporting the Internship/Training program offered to the students
Discussion:	The Board of Studies discussed the experiential learning programmes organized for the Second Semester B.Tech students following the End Semester Examinations. The members noted that one-week training programmes were conducted in the respective departments to provide practical exposure and enhance students' technical competencies.
Decision	The Board of Studies appreciated the initiative of conducting experiential learning programmes for the students and acknowledged their positive

	response and active participation. The Board recommended continuing such industry-oriented and skill-based training programmes in future semesters to strengthen practical knowledge, improve employability skills, and bridge the gap between academic learning and industry requirements.
BOS:CSE 03.09	Any other matter with the permission of the Chair.
Discussion:	There were no other matters outside the listed items.

The meeting concluded at 12.15 pm with word of thanks from Prof. Arathy Vijayan, Member Secretary, BoS



Prof. Arathy Vijayan
Assistant Professor
Dept. of Computer Science and Engineering
Member Secretary, BoS

Minutes Approved by



Dr. BIBIN VINCENT,
Professor and Head
Dept. of Computer Science And Engineering, STC
Chairman, BoS

