# SECOND BOS MEETING MINUTES AND ATR

**Date:** 29 April 2025

**Time:** 10.30 AM

**Location:** Hybrid Mode( https://meet.google.com/xcg-pamt-gzy / Board Room, VJEC)

**Agenda Items:**

1. Review and approval of previous meeting minutes and Action Taken Report (ATR)
2. Discussion on strategic plan for the department
3. Review and analysis of B.Tech S1 results
4. Discussion on proposed add-on courses for the academic year 2025–26
5. Review and approval of M.Tech MOOC courses
6. Review and approval of B.Tech CSE S3 syllabus (Autonomous)
7. Review and approval of B.Tech Minor and Honors curriculum and syllabus (Autonomous)
8. Review and approval of PhD course syllabus

The second Board of Studies (BoS) meeting for the Department of Computer Science and Engineering (CSE) and its allied branches was held on 29/04/2025, at 10:30 AM IST in a hybrid format.

**Minutes**

Ms. Divya B., Head of the Department (HoD), formally welcomed all BoS members and commenced the meeting with a presentation of the changes incorporated based on feedback from the previous BoS meeting. The members reviewed and unanimously approved the revisions.

Following this, Ms. Divya B. presented the department's strategic plan, which was thoroughly discussed and approved by the Board. During the discussion, Mr. Arvind sought clarification regarding the strategies adopted for improving students' coding skills. In response, Ms. Divya B. explained that the department actively encourages students to enroll in various online courses and workshops to enhance their programming proficiency. She also highlighted that the core

curriculum itself includes components that support coding development, and the integration of course projects within selected theory and lab subjects is intended to further strengthen students' practical programming abilities. She then shared the academic performance and result analysis of the first autonomous batch (S1) of the CSE and allied branches. The Board took note of the performance metrics and appreciated the insights.

Subsequently, the proposed add-on courses for the academic year 2025–26 were presented. The members approved the courses, acknowledging their relevance to skill enhancement and employability.

Ms. Divya B. presented the revised B.Tech CSE S3 syllabus (Autonomous), detailing the major updates made to both theory and laboratory courses in accordance with the KTU framework. The Board thoroughly reviewed and unanimously approved the proposed modifications.

During the discussion, Dr. Rafeeque P. C. sought clarification on whether appropriate Course Outcomes (COs) had been added to reflect the newly introduced topics in the syllabus. Ms. Divya B. confirmed that new COs were incorporated to align with the additional content. He further recommended including a clear description of team formation for the course project within the Data Structures Lab syllabus to ensure structured and effective implementation. The Board appreciated the inclusion of a real-time simulation-based course project in the Data Structures Lab, recognizing its potential to enhance experiential learning and problem-solving skills.

The list of recommended MOOC courses for the M.Tech program was then presented and received unanimous approval.

The B.Tech Minor and Honors curricula and syllabi (Autonomous) were reviewed next. Minor revisions were suggested for the Minor syllabus. Ms. Divya B. assured the Board that the corrected version would be shared post-modification.

Dr. Reema Mathew, Program Coordinator for the Cyber Security branch, presented the proposed PhD course syllabus. The syllabus was reviewed and approved by the Board. She also presented one theory and one lab syllabus that were specific to the Cyber Security specialization, both of which were approved.

Following this, Dr. S. Vadhanakumari, Program Coordinator for the Computer Science and Business Systems (CSBS) program, presented one theory and one lab syllabus distinct from the core CSE stream. The Board reviewed and approved these syllabi.

Dr. Manoj V. Thomas, Program Coordinator for the Artificial Intelligence and Data Science (AIDS) program, presented two theory subjects and one lab course unique to the AIDS stream. All were reviewed and approved by the Board.

The meeting concluded with a note of thanks from Ms. Divya B., who expressed her gratitude to all BoS members, program coordinators, and faculty participants for their active engagement and valuable contributions to the meeting.

Following are the ATR of the meeting.

| Sl No | Points Discussed | Action Items | Decisions |
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| 1 | Presentation of previous BoS meeting modifications recommended | Changes incorporated based on the previous BoS comment were presented for review. | Approved |
| 2 | Department Strategic Plan | The various department strategic plans focussing student development, faculty development, placement improvement, accreditation, research development, etc. were presented | Plan discussed and approved. |
| 3 | S1 Result Analysis | Performance of the first autonomous batch - first semester results were analyzed and presented. | Taken into consideration by the Board. |

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| 4 | Add-on Courses for 2025–26 | Proposed value-added and skill development courses recommended for the next academic year were presented. | Approved by the Board. |
| 5 | Review of proposed syllabus of the subject "Mathematics for Computer Science" | No changes required | Approved |
| 6 | Review of proposed syllabus of the subject "Theory of Computation" | From module 3, a proof of pumping lemma was removed and added a new topic "Context Sensitive Grammar" to the 4th module. | Approved |
| 7 | Review of proposed syllabus of the subject "Data Structures and Algorithms" | No changes required | Approved |
| 8 | Review of proposed syllabus of the subject "Object Oriented Programming" | Added topics like Threads, into the | Approved |
| 9 | Review of proposed syllabus of the subject "Digital Electronics and Logic Design" | No changes required | Approved |
| 10 | Review of proposed syllabus of the subject "Data Structures Lab" | Ten core experiments covering linear and non-linear data structures were made mandatory. Ten real-world simulation-based course projects were introduced to be | Recommended including a clear description of team formation for the course project. |

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| | | implemented in groups. They need to present it and submit a comprehensive report. | |
| 11. | Review of proposed syllabus of the subject "Digital Lab" | Included virtual lab link. | Approved |
| 12 | Review of proposed B.Tech Minor curriculum and syllabus (Autonomous) | These courses were introduced as part of the Minor: Python for Machine Learning in Semester 3, Mathematics for Machine Learning in Semester 4, Concepts in Machine Learning in Semester 5, and Concepts in Deep Learning in Semester 6. | It was suggested to introduce Mathematics for Machine Learning as a Semester 3 (S3) course in the Minor track, replacing its earlier placement in Semester 4 (S4), due to its fundamental importance in the learning progression. Accordingly, Python for Machine Learning will be scheduled for S4, with the syllabus starting from NumPy, as the basic concepts of Python are already covered in the Semester 1 (S1) course Algorithmic Thinking with Python. Furthermore, in view of emerging trends, it was proposed to include content related |

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| | | | to Agentic AI as a part of course. It was decided to include Agentic AI into the Deep Learning course. |
| 13 | Review of proposed B.Tech Honors curriculum and syllabus (Autonomous) | The following courses were introduced as part of the Honors :*Number Theory* in Semester 4, *Cryptographic Algorithms* in Semester 5, *Network Security* in Semester 6, and *Cyber Forensics* in Semester 7. | Approved. |
| 14 | M.Tech MOOC Courses | Relevant MOOC courses were presented. | Approved. |
| 15 | Review of proposed PhD Course Syllabus | PhD course syllabus was presented. | Approved. |
| 16 | Review of the proposed syllabus for the subject "Basic Concepts of Computer Networks" and the laboratory course "Shell Scripting and Networking using Linux" for the B.Tech program in Cyber Security. | No changes required. | Approved. |
| 17 | Review of the proposed syllabus for the subject *"Fundamentals of Management"* for the B.Tech program in Computer Science and Business System. | Omitted topics such as Planning, Organizing, Controlling, and Directing from the relevant module. Incorporated Digital Transformation in | Approved. |

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| | | Management and Big Data in Business into Module 1, and added Cloud-Based Business Solutions and CRM Solutions to Module 3. | |
| 18 | Review of the proposed syllabus for the laboratory course *"Statistical Methods Lab"* for the B.Tech program in Computer Science and Business System. | The laboratory syllabus was restructured into two parts: Part A will include ten mandatory experiments, while Part B will consist of six case studies, from which each student is required to complete one case study in group. | Approved. |
| 19 | Review of the proposed syllabus for the subject "Foundations of Artificial Intelligence" for the B.Tech program in Artificial Intelligence and Data Science. | No changes required | Approved. |
| 20 | Review of the proposed syllabus for the subject "Introduction to Data Science" for the B.Tech program in Artificial Intelligence and Data Science. | No changes required | Approved. |
| 21 | Review of the proposed syllabus for the laboratory course "Python and | Four basic experiments focusing on introductory programming concepts were | Approved. |

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| | Statistical Modelling Lab" for the B. Tech program in Artificial Intelligence and Data Science. | removed from the syllabus. In their place, four new experiments were added, introducing machine learning algorithms including Logistic Regression, Decision Tree Classifier, Random Forest Classifier, and Principal Component Analysis (PCA), using real-world datasets. | |

**Members present:**

- Ms. Divya B, HOD CSE
- Dr. Pournami PN, Associate Professor, Dept. of Computer Science & Engg., NIT Calicut
- Dr. S Ravi, Associate Professor, Dept. of Computer Science & Engg. Pondicherry University
- Dr. Rafeeque P. C., Professor & HoD, Dept of CSE, Govt. Engineering College, Kannur
- Mr. Arvind Abraham, Senior Software Engineer, Zscaler
- Mr. Aromal Joseph K M, Site Reliability Engineer (DevOps)
- Dr. Manoj V Thomas, Programme Co ordinator ADS
- Dr. S. Vadhanakumari, Programme Co ordinator CSBS
- Dr. Reema A Mathew, Programme Co ordinator CSCY
- Ms. Neena V V, Programme Co ordinator CSD
- Dr. Vidhya S. S., Associate Professor, CSE, VJEC
- Ms. Ambili M. A., Asst. Professor, CSE, VJEC
- Ms. Diya Rameshan, Asst. Professor, CSE, VJEC
- Ms. Rajitha K. V., Asst. Professor, CSE, VJEC

- Mr. Rinil K. R.., Asst. Professor, CSE, VJEC
- Ms. Divya K., Asst. Professor, CSE, VJEC
- Ms. Tintu Devasia, Asst. Professor, CSE, VJEC
- Mr. Akhil K. K., Asst. Professor, CSD, VJEC
- Ms. Anu Tresa George, Asst. Professor, CSCY, VJEC
- Ms. Soumya Thomas, Asst. Professor, ADS, VJEC
- Ms. Namitha P., Asst. Professor, CSBS, VJEC
- Dr. Archana J N, Asst. Professor, ADS, VJEC
- Ms. Sarannya M., Asst. Professor, ADS, VJEC
- Faculties of CSE and allied programs