DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GOVERNMENT COLLEGE OF ENGINEERING

BARGUR, (AUTONOMOUS)

KRISHNAGIRI- 635 104, TAMILNADU

Approved by AICTE, New Delhi,
Affiliated by Anna University, Chennai
Visit us: www.gcebargur.ac.in

11th BOS B.E./M.E.CSE

MINUTES OF THE MEETING

(05.06.2025)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GOVERNMENT COLLEGE OF ENGINEERING, BARGUR – 635104

(An Autonomous Institution Affiliated to Anna University, Chennai)

Minutes of the Eleventh Board of Studies meeting of Computer Science and Engineering held on 5th June 2025, Physical mode at Seminar Hall, Department of Computer Science and Engineering, Government College of Engineering, Bargur and Online Mode using Google Meet (https://gceb.webex.com/gceb/j.php?MTID=m5ed68407cea8377492f65792bdcc6465)

The Eleventh Board of Studies meeting of Computer Science and Engineering for the B.E. Degree program from the academic year 2025-2026 onwards was convened and held on 5th June 2025 in Seminar Hall, Department of Computer Science and Engineering, Government College of Engineering, Bargur. The following members were present during the meeting.

S. No.	Name	Affiliation
1.	Dr. J. Nafeesa Begum	Chairman HOD / CSE - GCE, Bargur
2.	Dr. S. Lakshmana Pandian	University Nominee Professor, Department of Computer Science & Engineering, Puducherry Technological University, Puducherry
3.	Dr. D. Ramya Dorai	Subject Expert – Outside Parent University Associate Professor, Department of Computer Science & Engineering, Jain University, Bangalore
4.	Dr. K. Kumar	Internal Member Associate Professor / CSE - GCE, Bargur
5.	Dr. S. Selvi	Internal Member Associate Professor / CSE - GCE, Bargur
6.	Mr. CMT. Karthigeyan	Internal Member Assistant Professor / CSE - GCE, Bargur
7.	Mrs. R. Subathra	Internal Member Assistant Professor / CSE - GCE, Bargur
8.	Dr. J. Manimaran	Internal Member Assistant Professor / CSE - GCE, Bargur

9.	Dr. R. Balamurugan	Internal Member Assistant Professor / CSE - GCE, Bargur

The following BoS Member have attended through online mode using Google Meet (https://gceb.webex.com/gceb/j.php?MTID=m5ed68407cea8377492f65792bdcc6465)

S. No.	Name	Affiliation
1.	Dr. A. Arokiaraj Jovith	Subject Expert – Outside Parent University Associate Professor, Department of Computer Science & Engineering, SRM Institute of Science and Technology, Kattankulathur
2.	Dr. R. Saveeth	Alumnus Associate Professor, Department of Computer Science & Engineering, Coimbatore Institute of Technology, Coimbatore
3.	Mr. V. Saravanan	Industry Representative, Vice President, Natwest Group, Chennai

S. No.	EX OFFICIO MEMBERS
1.	PRINCIPAL, GCE, Bargur
2.	CONTROLLER OF EXAMINATION, GCE, Bargur

Minutes of Meeting:

Dr. J. Nafeesa Begum, Chairperson – BoS has welcomed the members and presented the Curriculum and syllabi (1st & 2nd Sem) Regulations 2025, as per AICTE model curriculum (2022 Regulation) to the BoS members.

BoS members discussed various features of the curriculum and syllabi and offered their suggestions to meet the expectations of industry needs. The following points were discussed.

Agenda 11.1: To discuss and approve action taken report on 10th BOS minutes

- The Board of Studies members have reviewed and approved the same.

(Annexure – 1 is enclosed)

Agenda 11.2: To discuss and approve Program Educational Objectives, Program Outcomes, and Program Specific Outcomes for B.E.CSE

- The Board of Studies members have reviewed the proposed PEO, PO & PSO, and suggested to use the word stay ahead instead stay abreast in the PO.
- The Board of Studies members approved the proposed PEO, PO and PSO with the above changes incorporated.

(Annexure – 2 is enclosed)

Agenda 11.3: To discuss and approve R-2025 B.E. CSE Curriculum

- It was suggested and recommended to include concepts to meet out Sustainable Development Goals (SDG-17) in the curriculum.

(Annexure – 3 is enclosed)

- The Board of Studies members have reviewed the R-2025 B.E. CSE Curriculum and suggested following points.

S. No.	General Points / Course Name	Suggestions	Action Taken
1.	**Random Process and Linear Algebra** (25ZBS202)	To include Queuing theory concepts	Considered for implementation
2.	**Artificial Intelligence and Machine Learning** (25SPC601)	To rename the course as **Essentials of AI and ML**	Considered for implementation
3.	**Formal Language and Automata Theory** (25SPC503)	To include JFLAP tools (automation) concepts - to do problem solving assignments by the students	Considered for implementation
4.	New **vertical** to focus on **AR/VR** field	To include in the syllabi	As the infrastructure has to be completed to offer as a separate vertical. Course AR/VR has been included in the vertical of Emerging technologies
5.	**Java** - programming languages course	To include as a separate subject	Courses Web Technology (25SPC602) & Web Technology laboratory (25SPC609) are to be offered in the sixth semester
6.	**Embedded System / IoT**	To include in the syllabus - to do real–	Offered as Open Elective

		time IoT projects (Hardware Projects)	
7.	**Software Engineering Lab**	To include as a one credit course	This concern is duly noted and to be offered as Value Added Course
8.	**Design and Analysis of Algorithms** (DAA) and **Data Structures and Algorithms** (DSA)	To restructure the curriculum to offer DAA in a subsequent semester, allowing for better absorption of foundational concepts through DSA first.	However, it was also acknowledged that the current curriculum is heavily loaded, which poses challenges in implementing this change immediately. This concern is duly noted and may be taken up for review during the next curriculum revision cycle.
9.	**Data Structures and Algorithms**	to make use of platforms like CodeChef, LeetCode, and GeeksforGeeks	Considered for implementation
10.	**Data Mining and Data warehouse**	To move the course to the core curriculum instead of being treated as an elective	Acknowledged that the current curriculum is heavily loaded, which poses challenges in implementing this change immediately. This concern is duly noted and may be taken up for review during the next curriculum revision cycle.
11.	Increasing workload for the students (VII semester includes six theory subjects, which overlaps with the placement season, potentially increasing workload for students.)	To consider shifting one or two non-critical subjects to the VIII semester to allow students to focus better on placement activities.	The department highlighted that students typically undergo placement training during the VIII semester, and some students receive job offers and join the industry early. Hence, moving subjects to the VIII semester could lead to reduced academic participation and discontinuity for such students. However, the committee noted the concern and to consider this point during the next curriculum revision, ensuring a balanced academic load while supporting students' placement opportunities.
12.	Inclusion of additional elective courses	To include **Adhoc Networks, DevOps, Real-Time Systems, and Internet Technology** to enhance students' exposure to emerging technologies and industry-relevant domains.	The department acknowledged the relevance of these subjects and noted that the curriculum already includes Computer Networks as a core course, which provides foundational concepts that support Adhoc Networks. Similarly, Web Technology is offered as a core subject, covering essential aspects related to Internet Technology, along with Java Programming as a core component.
		Also, discussed that while introducing these topics as separate electives is beneficial, care must be taken not to dilute the core learning outcomes.	The committee agreed to consider these suggestions during the next curriculum revision, ensuring alignment with program objectives, industry needs, and curriculum load constraints.

- It was suggested to reduce the number of experiments from 12 to 7 and to include Micro projects and Case study related experiments in all the laboratory courses.

➢ The Board of Studies members **have approved** the Curriculum of B.E. CSE under R-2025 with the above **changes** incorporated.

Agenda 11.4: To discuss and approve R-2025 B.E. CSE Syllabi – 1st & 2nd Semester Courses

➢ The Board of Studies members **have reviewed** the R-2025 B.E. CSE Syllabi – 1st & 2nd Semester courses and suggested following points.

- It is to ensure the concepts in Object Oriented Programming syllabi does not overlap the course **Python Programming (25ZES205)**.

➢ The Board of Studies members **have approved** the R-2025 B.E. CSE Syllabi – 1st & 2nd Semester courses Programming in C (25ZES105), Programming in C Laboratory (25ZES107), Python Programming (25ZES205), and Python Programming Laboratory (25ZES209) to be offered for both the B.E. CSE & ECE students with the above **changes** incorporated.

Agenda 11.5: To discuss and approve the Course Programming in Python offered for the B.E. (Mech) under R-2025

➢ The Board of Studies members **have approved** the courses **Problem Solving and Python Programming** (25MES105) **& Problem Solving and Python Programming Laboratory** (25MES107) to be offered for the B.E(Mech) in the 1st semester under R-2025.

Agenda 11.6: To discuss and approve Program Educational Objectives, Program Outcomes, and Program Specific Outcomes for M.E. CSE

➢ The Board of Studies members **have reviewed and approved** the proposed PEO, PO & PSO.

(Annexure – 4 is enclosed)

Agenda 11.7: To discuss and approve R-2025 M.E. CSE Curriculum

➢ The Board of Studies members have reviewed the R-2025 M.E. CSE Curriculum and suggested following points.

S. No.	General Points /	Suggestions	Action Taken

	Course Name		
1.	Artificial Intelligence and Machine Learning (25CSPE01)	To separate the course Machine Learning rather than clubbed with Artificial Intelligence.	Machine Learning (ML) is a subfield of Artificial Intelligence (AI), and most modern AI systems are built using ML techniques. Offering a combined course allows students to gain a cohesive understanding of how AI systems are conceptualized, designed, and implemented today. It creates a natural flow from AI theory such as logic, reasoning, and planning into practical ML implementation techniques like regression, classification, and neural networks. Teaching these topics together not only bridges the gap between theory and practice but also helps students see how abstract AI concepts translate into real-world intelligent systems. Furthermore, due to limited room in many academic curricula, a unified course efficiently avoids redundancy and ensures that overlapping topics are covered in a streamlined manner. This approach also enables the integration of real-world applications that blend AI thinking with ML execution, equipping students with both conceptual insight and practical skills essential for careers in the field.
2.	Inclusion of additional elective courses	To include **Adhoc Networks, DevOps, Real-Time Systems, and Internet Technology, Graph theory, and Mobile App development** to enhance students' exposure to emerging technologies and industry-relevant domains.	The department appreciated the suggestions and clarified that Networking Technologies is already offered as a core course in the M.E. program, which sufficiently covers Adhoc Network concepts. To address DevOps, a Mobile Application Development Laboratory is being introduced, which will incorporate tools and practices related to DevOps workflows. Additionally, the Internet Technology course is part of the B.E. CSE curriculum, and to avoid content redundancy across UG and PG programs, it has not been included in the M.E. curriculum. The committee acknowledged the relevance of the suggested topics and to revisit the elective offerings during the next curriculum review, ensuring that emerging areas are effectively integrated without overlapping with existing courses.

- It was suggested to reduce the number of experiments from 12 to 7 and to include Mini projects and Case study related experiments in all the laboratory courses.
- It was suggested to ensure latest versions of reference books in all the courses and recommended to move text books from text books section to reference books section.

➢ The Board of Studies members **have approved** the Curriculum of M.E. CSE under R-2025 with the above **changes** incorporated.

Agenda 11.8: To approve R-2025 M.E. CSE Syllabi – 1st & 2nd Semester Courses

➢ The Board of Studies members **have reviewed** the R-2025 M.E. CSE Syllabi – 1st & 2nd Semester courses and suggested following points.

- It is to refine the syllabi of all the courses like Big Data Analytics, Cryptography and Network Security, AI & ML, Networking Technologies.

➢ The Board of Studies members **have approved** the R-2025 B.E. CSE Syllabi – 1st & 2nd Semester courses with the above **changes** incorporated.

Agenda 11.9: To discuss the Minutes of the Program Advisory Committee (Internal) under regulations R2022

➢ The Board of Studies members **have reviewed and ratified** the **Credit Transfer courses** of the 2021-2025 Batch students (Final Year) under R2020 minutes recorded by the Program Advisory Committee.

(Annexure – 5 is enclosed)

➢ The Board of Studies members **have reviewed and ratified** the **Courses add/drop both for transferred and rejoined students in their fifth semester, also courses offered in their sixth semester** of the 2022- 2026 Batch Students under R-2022 minutes recorded by the Program Advisory Committee.

(Annexure – 6 is enclosed)

➢ The Board of Studies members **have reviewed and ratified** the **Courses add/drop of transferred students in their fourth semester** of the 2023- 2027 Batch Students under R-2022 minutes recorded by the Program Advisory Committee.

(Annexure – 7 is enclosed)

Agenda 11.10: To discuss and approve the proposed credits transfer to the students (Final Year:2022-2026) & inclusion of proposed additional courses to be studied by the lateral entry students (Third Year:2023-2027) under regulations R2022

- The Board of Studies members **have discussed** and **approved** the elective courses to be dropped by few students and credit transfers for all the final year BE (CSE) students under R2022 regulations.
- The Board of Studies members have discussed the additional courses to be studied by lateral entry students of third year BE (CSE) students under R2022 regulations and suggested that the proposed courses should be completed through mentor assigned for each course.

Agenda 11.11: Any other matter

- The Board of Studies members have discussed about the inclusion of Department Specific Requirement courses and General Institute Requirement courses in the B.E.CSE Curriculum under R2025.
- The Board of Studies members have reviewed Passing Criteria to be set for integrated courses (Theory and laboratory Components) and suggested the following points.
  - The integrated courses should have External passing minimum marks for theory component apart from internal assessment marks.

Lab Component	Internal Assessment	External Assessment
Theory Component	Internal Assessment	External Assessment

  - The minimum requirement addresses the concern that without the above, the quality of student will be deteriorated.

5/6/25

Dr. J. Nafeesa Begum
CHAIRMAN
Board of Studies, CSE

Finally, Under Regulations 2025 – The Curriculum and Syllabi (First & Second semester courses) of Full-Time B.E (CSE) & Full Time M.E (CSE) for the students admitted from the Academic Year 2025-2026 onwards is approved by the members of BOS.

The Chairman (BOS) Dr. J. Nafeesa Begum Professor and Head, thanked the members present and the meeting came to close at 1.00 P.M.

S. No.	Name	Signature
1.	Dr. J. Nafeesa Begum [Chairman] HOD / CSE - GCE, Bargur	5/6/25
2.	Dr. S. Lakshmana Pandian [University Nominee] Professor, Department of Computer Science & Engineering, Puducherry Technological University, Puducherry	5/6/25
3.	Dr. A. Arokiaraj Jovith [Subject Expert – Outside Parent University] Associate Professor, Department of Computer Science & Engineering, SRM Institute of Science and Technology, Kattankulathur	Online (Google Meet)
4.	Dr. D. Ramya Dorai [Subject Expert – Outside Parent University] Associate Professor, Department of Computer Science & Engineering, Jain University, Bangalore	D. Ramya Dorai 5/6/25
5.	Dr. R. Saveeth, [Alumnus] Associate Professor, Department of Computer Science & Engineering, Coimbatore Institute of Technology, Coimbatore	Online (Google Meet)
6.	Mr. V. Saravanan [Industry Representative] Vice President, Natwest Group, Chennai	Online (Google Meet)
7.	Dr. K. Kumar [Internal Member] Associate Professor / CSE - GCE, Bargur	
8.	Dr. S. Selvi [Internal Member] Associate Professor / CSE - GCE, Bargur	5/6/25
9.	Mr. CMT. Karthigeyan [Internal Member] Assistant Professor / CSE - GCE, Bargur	5/6/25

10.	Mrs. R. Subathra [Internal Member] Assistant Professor / CSE - GCE, Bargur	R. Subathra 5/6/25
11.	Dr. J. Manimaran [Internal Member] Assistant Professor / CSE - GCE, Bargur	5/6/25
12.	Dr. R. Balamurugan [Internal Member] Assistant Professor / CSE - GCE, Bargur	R. Balamurugan 5/6/25

5/6/24

DR. J. NAFEESA BEGUM
CHAIRMAN
BOARD OF STUDIES, CSE

Copy:

1. Submitted to the Principal
2. The Controller of Examination
3. Member by Circulations
4. File

Agenda 11.10: To discuss and approve the proposed credits transfer to the students (Final Year:2022-2026) & inclusion of proposed additional courses to be studied by the lateral entry students (Third Year:2023-2027) under regulations R2022

- The Board of Studies members **have discussed** and **approved** the elective courses to be dropped by few students and credit transfers for all the final year BE (CSE) students under R2022 regulations.
- The Board of Studies members have discussed the additional courses to be studied by lateral entry students of third year BE (CSE) students under R2022 regulations and suggested that the proposed courses should be completed through mentor assigned for each course.

Agenda 11.11: Any other matter

- The Board of Studies members have discussed about the inclusion of Department Specific Requirement courses and General Institute Requirement courses in the B.E.CSE Curriculum under R2025.
- The Board of Studies members have reviewed Passing Criteria to be set for integrated courses (Theory and laboratory Components) and suggested the following points.
  - The integrated courses should have External passing minimum marks for theory component apart from internal assessment marks.

Lab Component	Internal Assessment	External Assessment
Theory Component	Internal Assessment	External Assessment

  - The minimum requirement addresses the concern that without the above, the quality of student will be deteriorated.

5/6/25

Dr. J. Nafeesa Begum
CHAIRMAN
Board of Studies, CSE

Finally, Under Regulations 2025 – The Curriculum and Syllabi (First & Second semester courses) of Full-Time B.E (CSE) & Full Time M.E (CSE) for the students admitted from the Academic Year 2025-2026 onwards is approved by the members of BOS.

The Chairman (BOS) Dr. J. Nafeesa Begum Professor and Head, thanked the members present and the meeting came to close at 1.00 P.M.

S. No.	Name	Signature
1.	Dr. J. Nafeesa Begum [Chairman] HOD / CSE - GCE, Bargur	5/6/25
2.	Dr. S. Lakshmana Pandian [University Nominee] Professor, Department of Computer Science & Engineering, Puducherry Technological University, Puducherry	5/6/25
3.	Dr. A. Arokiaraj Jovith [Subject Expert – Outside Parent University] Associate Professor, Department of Computer Science & Engineering, SRM Institute of Science and Technology, Kattankulathur	Online (Google Meet)
4.	Dr. D. Ramya Dorai [Subject Expert – Outside Parent University] Associate Professor, Department of Computer Science & Engineering, Jain University, Bangalore	D. Ramya Dorai 5/6/25
5.	Dr. R. Saveeth, [Alumnus] Associate Professor, Department of Computer Science & Engineering, Coimbatore Institute of Technology, Coimbatore	Online (Google Meet)
6.	Mr. V. Saravanan [Industry Representative] Vice President, Natwest Group, Chennai	Online (Google Meet)
7.	Dr. K. Kumar [Internal Member] Associate Professor / CSE - GCE, Bargur	
8.	Dr. S. Selvi [Internal Member] Associate Professor / CSE - GCE, Bargur	5/6/25
9.	Mr. CMT. Karthigeyan [Internal Member] Assistant Professor / CSE - GCE, Bargur	5/6/25