COIMBATORE INSTITUTE OF ENGINEERING AND TECHNOLOGY

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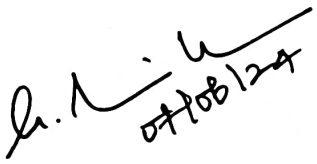
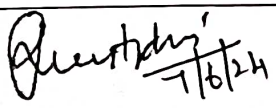
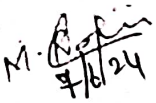
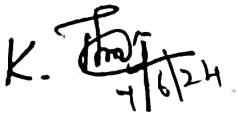
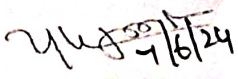
Department of Computer Science and Engineering
Minutes of the Seventh meeting of Board of Studies

Venue : Board Room
Date : 07.06.2024
Time : 10.00.AM
Members Present:

S.No	Name and Designation	Position In Committee	Signature with Date
1.	**Dr.K.Pushpalatha, M.E., Ph.D.,** Professor and Head, Department of Computer Science and Engineering, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Chairman	7/6/24
2.	**Dr.S.Lovelyn Rose, M.E., Ph.D.,** Associate Professor, Department of Computer Science and Engineering, PSG College of Technology, Coimbatore-641 004.	University Nominee	Lovelyn Rose.S 7/6/24
3.	**Dr.M.Mohana Priya M.E., Ph.D.,** Associate Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore-641 014.	Subject Expert	7/6/24.
4.	**Dr.S.Kannimuthu M.E., Ph.D.,** Professor, Department of Computer Science and Engineering, Karpagam College of Engineering, Coimbatore-641 032.	Subject Expert	7/6/24
5.	**Dr.D.Gautham Chakravarthy,** Chief Executive Officer, Dhanvi Infotech, No.76, 2nd Floor, Sri Sai Building, Vishnu Nagar, G.N.Mills, Coimbatore-641 029.	Industry Representative	7/6/24.
6.	**Mr.G.Ranjith,** Placement & Technical Trainer, Bannari Amman Institute of Technology, Sathyamangalam-638 401.	Alumni	7/6/24

7.	**Dr. G. Ravikumar M.E., PhD.** Professor Department of Computer Science and Engineering, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	
8.	**Mr.B.Saravanan** Assistant Professor, Department of Computer Science and Engineering, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	
9.	**Ms R Nithyadevi** Assistant Professor, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	
10	**Ms. M.Rohini** Assistant Professor, Department of Computer Science and Engineering, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	
11	**Ms. K.Thenmozhi** Assistant Professor, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	
12	**Ms.S.Kanchana** Assistant Professor, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	
13	**Ms.T.K.Bharathi** Assistant Professor, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	
14	**Ms R Yoga** Assistant Professor, Coimbatore Institute of Engineering and Technology, Coimbatore-641 109.	Member	

AGENDA

7.1- Approval of minutes of Sixth Board of Studies meeting held on 22.06.2023.

7.2 - Approval of Regulation-2023 entire draft Curriculum for Programs B.E-CSE and B.E-CSE (Cyber Security) for the semesters III to VIII.

7.3 - Approval of Regulation and Curriculum for the program B.E-CSE (Artificial Intelligence and Machine Learning) for the batch of students admitted in the academic year 2024-25 onwards under Regulation-2023.

7.4 - Approval for the syllabi of semesters III and IV under Regulation-2023 for BE-CSE and BE- CSE (Cyber Security).

7.5 - Approval for the syllabi of semester I and II for BE-CSE (Artificial Intelligence and Machine Learning) under Regulation-2023.

7.6 - Approval for Syllabi of Mandatory, Employability Enhancement, Basic sciences and Humanities & Science categories of I to IV semesters for the programmes B.E – CSE , B.E-CSE(Cyber Security) & B.E – CSE (AI & ML).

7.7 - Approval of curriculum and syllabi for readmitted students under Regulation 2019.

7.8 -Approval of Panel of Examiners and Question Paper Setters.

7.9 - Any other matter with the Permission of the chair.

Dr.K.Pushpalatha, Chairman-BOS welcomed all the Board of Studies members and other faculty members for the meeting .Then various items of agenda were taken up for discussion and after the detailed discussion, the following suggestion were given by the Board of Studies.

Department of Computer Science and Engineering

The following points were suggested by BOS members in the meeting for B.E - Computer Science and Engineering.

1. The topic 'Kernel programming' may be included in the U23CSP05-Operating Systems Laboratory syllabus.

2. The topics 'String matching' and "Introduction to P, NP class problems' may be added to the U23CST10-Design and Analysis of Algorithms syllabus.

3. The 'Theory of Computation' and 'Compiler Design' courses may be combined into a single course titled 'Automata Theory and Compiler Design'.

4. The topics 'Spring Boot' and 'Hibernate frameworks' may be added to the U23CST08-Web Technologies syllabus.

5. The topic 'Design Patterns' to be included in U23CST06-Software Engineering Theory and incorporate 'final documentation phase' in U23CSP06-Software Engineering Laboratory syllabus.

6. The topic 'Graph Databases' may be included in U23CST07-Database systems syllabus.

7. The course 'Open Source Software Development Laboratory' may be introduced into the curriculum.

8. The laboratory component for the 'U23CST15-Embedded Systems and IoT' course may be included in the curriculum.

9. The course "Parallel and Distributed systems" may be introduced in VII semester.

10. The courses U23CST03-Data Structures, U23CST04-Java Programming, U23CST05-Operating Systems and U23CST09-Artificial Intelligence have been accepted without any changes.

Department of Computer Science and Engineering (Cyber Security)

The following points were suggested by BOS members in the meeting for B.E - Computer Science and Engineering (Cyber Security).

1. The topic 'NOSQL Databases' concepts may be included in 'U23CCT01-Database Design' syllabus.

2. The course 'Web Technologies' may be introduced in the curriculum.

3. The courses 'Web application Security' and 'Cloud Computing and Security 'may be moved to professional Electives. Instead of that, Vulnerability Assessment and Penetrating Testing, Cyber Threat &Intelligence, Secure coding to be included as Professional Core courses.

4. The 'Theory of Computation' and 'Compiler Design' courses may be combined into a single course titled 'Automata Theory and Compiler Design'.

Introduction to New Programme:

The new program BE-Computer Science and Engineering (Artificial Intelligence and Machine Learning) will be introduced in the academic year 2024-25. The curriculum and syllabi for the first and second semesters were presented to the committee and have been accepted without any changes.

After much deliberation, the following resolutions were passed.

Item 7.1: Resolved to approve the minutes of Sixth Board of Studies meeting held on 22.06.2023.

Item 7.2: Resolved to approve the curriculum for BE-Computer Science and Engineering and BE-Computer Science and Engineering (Cyber Security) under Regulation 2023.

Item 7.3: Resolved to approve the Regulation and Curriculum for BE-Computer Science and Engineering (Artificial Intelligence and Machine Learning) applicable for the batch of Students admitted from the academic year 2024-25.

Item 7.4: Resolved to approve Syllabi for 3rd and 4th Semester courses of B.E- CSE and B.E-CSE (Cyber Security) programme under R-2023.

Item 7.5: Resolved to approve the syllabi for I and II Semester courses of B.E-CSE (Artificial Intelligence and Machine Learning) under Regulation 2023.

Item 7.6: Resolved to approve the syllabi for Mandatory Courses, Open Electives, Humanities and Social Sciences (HS), Basic Sciences (BS) and Employability Enhancement Courses categories for the program B.E CSE, B.E CSE (CS), B.E CSE (AI &ML) under Regulation 2023.

Item 7.7: Resolved to approve the Syllabi for Readmitted Student, Mr.S.Manikandan, Register Number – 71052002401 under Regulation 2019.

Item 7.8: Resolved to approve the Panel of Examiners and Question Paper Setters.

Course where major Syllabus Revision were made (more than 20% of syllabus change):

Major syllabus changes in the following courses were proposed based on feedback received from stakeholders. The proposed changes were discussed and approved by the BoS members.

- U23CST03 – Data Structures
- U23CST04- Java Programming
- U23CST05 – Operating Systems
- U23CST06 - Software Engineering

- U23CST07 - Database Systems
- U23CST10 - Design and Analysis of Algorithms

Introduction of new courses:

The following new courses are introduced in the 2023 regulation (UG) and the same were approved by the BoS Members.

- U23CST08– Web Technologies
- U23CST09 – Artificial Intelligence
- U23CST11- Automata Theory and Compiler Design

100% of syllabus revision made in the program: UG

S.No.	Year/ Sem	Course Code	Course Name	Revised/ Introduced	Revision%
1	II/III	U23CST03	Data Structures	Revised	45
2	II/III	U23CST04	Java Programming	Revised	70
3	II/III	U23CST05	Operating systems	Revised	31
4	II/III	U23CST06	Software Engineering	Revised	71
5	II/III	U23CSP03	Data Structures Laboratory	Revised	38
6	II/III	U23CSP04	Java Programming Laboratory	Revised	60
7	II/III	U23CSP05	Operating systems Laboratory	Revised	25
8	II/III	U23CSP06	Software Engineering Laboratory	Revised	33
9	II/IV	U23CST07	Database Systems	Revised	60
10	II/IV	U23CST08	Design And Analysis of Algorithms	Revised	42
11	II/IV	U23CST09	Artificial Intelligence	Introduced	100 (More than 80%)
12	II/IV	U23CST10	Web Technologies	Introduced	100
13	II/IV	U23CST11	Automata Theory And Compiler Design	Introduced	100
14	II/IV	U23CSP07	Database Systems Laboratory	Revised	70
15	II/IV	U23CSP08	Web Technologies Laboratory	Introduced	100

The total number of 15 courses is categorized as follows:

1. Employability Oriented Courses –NIL
2. Entrepreneurship Oriented Courses – NIL
3. Skill Development Oriented Courses – 15

Since there were no other points to be discussed, Dr. G.Ravikumar, Professor/CSE thanked all the members of the Board of Studies for their active participation, valuable suggestions and contribution made for recommending the Syllabi for III and IV Semester of B.E-CSE and B.E-CSE (Cyber Security), I and II Semester of B.E-CSE (AI&ML), Mandatory Courses, Open Electives, Humanities and Social Sciences (HS), Basic Sciences (BS) and Employability Enhancement Courses under Regulation 2023

The meeting concluded by 1.30 P.M.

CHAIRMAN