ERODE SENGUNTHAR
ENGINEERING COLLEGE
(An Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai,
Accredited by National Board of Accreditation (NBA), New Delhi &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade

PERUNDURAI -638 057, TAMILNADU, INDIA.

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

Department of

COMPUTER SCIENCE AND DESIGN

4th BOARD OF STUDIES MEETING

28th December, 2023 @ 03.00 pm

Venue : Conference Hall

Dr. V.VENKATACHALAM, M.S.,M.Tech.,Ph.D.,
PRINCIPAL
Erode Sengunthar Engineering College,
(Autonomous)
Thudupathi, Perundurai.

ERODE SENGUNTHAR ENGINEERING COLLEGE, PERUNDURAI – 638 057

(An Autonomous Institution - Affiliated to Anna University, Chennai)

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

4th Board of Studies Meeting

Date & Time: 28.12.2023 at 03.00 p.m.

AGENDA

The **4th Board of Studies Meeting** is convened to get the approval for the **changes in the R19 B.E. CSD Curriculum and Syllabi and 7th and 8th Semester Syllabus** for the students admitted in the academic year 2021-2022 onwards, **3rd and 4th Semester Syllabus of R23 B.E. CSD Curriculum.**

BoS / CSD 4.1	:	**Welcome address** and Opening Remarks by Chairman, Board of studies in the department of Computer Science and Design.
BoS / CSD 4.2	:	Confirmation of **Minutes of 3rd Board of Studies meeting and action taken report.**
BoS / CSD 4.3	:	To consider and approve the **changes** in the **R19 B.E. CSD Curriculum** and **Syllabi** and **7th and 8th Semester Syllabus** for the students admitted in the academic year **2021-2022 onwards**
BoS / CSD 4.4	:	To consider and approve the **3rd and 4th Semester Syllabus of R23 B.E. CSD Curriculum**
	:	Vote of Thanks

Chairman / BoS - CSD

Chairman - BoS
Dept. of CSD - ESEC

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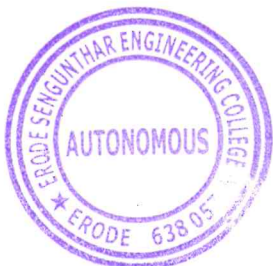Thudupathi, Perundurai, Erode -638 057.

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

MINUTES OF THE MEETING

The 4th Board of Studies meeting of Department of Computer Science and Design was held on 28-12-2023 at 03.00 p.m. in the College Premises

The following members were present:

1	**Dr. S.Tamil Selvan** Assistant Professor & Head / CSD, Erode Sengunthar Engineering College	Chairman
2	**Dr. Rajeswari Sridhar** Associate Professor, Department of Computer Science and Engineering, National Institute of Technology, Trichy	University Nominee
3	**Dr. M.Senthilkumar** Associate Professor / CSE, School of Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Coimbatore.	Academic Experts – Outside Parent University
4	**Dr. P.Prakash** Associate Professor / CSE, School of Computer Science and Engineering, VIT University, Chennai.	
5	**Mr. Satheesh Kanagasabapathy** CEO NxtNewton LLP, Coimbatore	Industry Expert
6	**Mr.K.Samraj** Associate Director, Exterro R&D, Coimbatore	Meritorious Alumnus Nominated by the Principal
7	**All Faculty Members of CSD Department**	Internal Members

Chairman - BoS
Dept. of CSD - ESEC

Minutes of the Meeting

BoS / CSD 4.1	:	**Welcome address** and Opening Remarks by Chairman, Board of studies in the department of Computer Science and Design
		Discussion: **Dr.S.Tamil Selvan,** Chairman, BoS of Department Computer Science and Design welcomed the members of Board of Studies and thanked each of them for spending their valuable time to attend the meeting.
BoS / CSD 4.2	:	Confirmation of **Minutes of 3rd Board of Studies meeting and action taken report**
		Discussion : The Chairman presented the Minutes of 3rd Board of Studies Meeting which was held on 31-05-2023 through online and action taken report of the same. The minutes of 3rd BoS of Computer Science and Design are briefed and the minutes had been taken as confirmed. The action taken report of 3rd Board of Studies Meeting was reviewed. The members appreciated the efforts taken by the Department to incorporate all the Suggestion and Recommendations by the Members during 3rd BoS Meeting. **Resolution:** It is resolved to recommend the Minutes of 3rd Board of Studies Meeting and action taken report of the same is submitted to the Academic Council for approval.
BoS / CSD 4.3.	:	To consider and approve the **changes in the R19 B.E. CSD Curriculum and Syllabi and 7th and 8th Semester Syllabus** for the students admitted in the academic year **2021-2022 onwards**
		Discussion: The following Changes Suggested by the Chairman in the R19 B.E. CSD Curriculum and Syllabi and 7th and 8th Semester Syllabus for the students admitted in the academic year 2021-2022 onwards • Inclusion of Game Design Theory (3 Credits) and Game Design

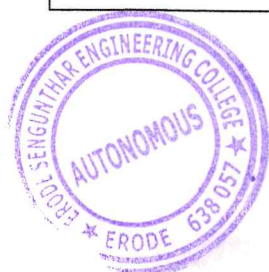|		Laboratory (2 Credit) courses in the 7th Semester
		• Inclusion of Machine Learning (3 Credits) and Machine Learning Laboratory (2 Credit) courses in the 7th Semester
		• Existing Course Research Methodology in the 7th Semester are to be removed.
		The following recommendations are given
		• **Dr. Rajeshwari Sridhar, University Nominee** recommended to move Unit II between Unit IV and Unit V in Machine Learning Syllabus
		• **Dr. Rajeshwari Sridhar** recommended to the topic Multi Layer Perceptron of Unit II to Unit III
		• **Mr. Satheesh Kanagasabapathy, Industry Nominee** and **Dr. Rajeshwari Sridhar** recommended to modify Experiment 10 of Machine Learning Laboratory syllabus. Recommended to remove the word Cloud framework from the 10th Experiment.
		Finally the members approved changes suggested by the Chairman in the R19 B.E. CSD Curriculum
		Resolution : It is resolved to recommend the Changes in R19 B.E. CSD Curriculum and 7th and 8th Semester Syllabus for the students admitted from 2021-2022 onwards to the Academic Council for Approval.
BoS / CSD 4.4	:	To consider and approve the **3rd and 4th Semester Syllabus of R23 B.E. CSD Curriculum**
		Discussion: The members reviewed the syllabus and the following suggestions and recommendations given
		Dr.Rajeshwari Sridhar recommended for removing the course Digital Electronics and including Computer Organization and Architecture in the 3rd semester.
		Dr. Rajeshwari Sridhar and **Mr. Satheesh Kangasabapathy** suggested to include Operating Systems Theory and Laboratory in 3rd Semester.
		Dr. Rajeshwari Sridhar recommended to include Data Structures using C, C++

Dr. V.VENKATACHAM, M.S.,M.Tech.,Ph.D Chairman - BoS
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and Java by Mark Allen Weis text book in the Data Structure Syllabus

Members Recommended to remove the topics Optimal Merge, Dijikstra Algorithm, Container Loading, 0/1 Knapsack (Unit IV) in the Design and Analysis of Algorithms Syllabus.

Members recommended to add the topics All Pair Shortest Path, Huffman Tree in the Design and Analysis of Algorithms Syllabus.

Dr. M. Senthilkumar, Subject Expert and Dr.P. Prakash, Subject Expert recommended to transfer Java Programming Theory and Laboratory from 3rd Semester to 4th Semester.

The following suggestions and commendations given for Operating System Syllabus

- **Mr. Samraj K, Nominee-Alumni** recommended to include the topic Different types of hard disk which includes SSD.

- **Dr. M. Senthilkumar, Subject Expert** suggested to modify CO1 and CO2 Bloom Taxonomy action verbs of Operating System Syllabus

Recommendations and Suggestions for Database Management Systems course syllabus

- **Mr. Satheesh Kanagasabapathy** recommended to include DDL, DML, DCL, Simple Query, Join Query, Nested Query and SQL with operators in the Syllabus

- Recommended to remove unwanted theory portion in Unit III and Unit IV and include more practical oriented topics

- Recommended to add Practical Component in the vertical courses if possible.

Dr. Rajeswari Sridhar recommended to include more number of design subjects in the vertical course.

The following **few Corrections Recommended** in **First and Second Semester of R23 B.E. CSD Curriculum** for the students of **2024-2025** admitting batch

- Recommended to have only one Physics course in the Curriculum

- Recommended to include Computer Hardware and Troubleshooting laboratory in the first year

- Recommended to have Problem Solving and Basics of C in Semester 1 and Advanced C and Basic Data Structures in Semester 2

- Recommended to have Java Based Object Oriented Programming in Semester 3

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		Resolution : It is resolved to recommend 3rd and 4th semester syllabus of B.E. Computer Science and Design under R23 and Changes in R23 B.E. CSD Curriculum for the students admitted in 2023-2024 and 2024-2025 admitting students to the Academic Council for Approval.
		Other common recommendations **Dr. M. Senthilkumar** and **Dr. P. Prakash** Suggested to reduce the Syllabus Content for the identified courses **Dr. Rajeshwari Sridhar** recommended to include Indian Knowledge System by Professor Mahadevan for all the students
	:	Vote of Thanks
		S.Sivaselvi, AP /CSD Proposed Vote of Thanks

Chairman /BoS - CSD

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DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

4th BOARD OF STUDIES MEETING
Date : 28.12.2023 @ 03.00 p.m.

Venue : Conference Hall

ATTENDANCE

Sl. No	Name & Designation	Category	Signature
1	**Dr. V. Venkatachalam** Professor & Principal	Internal Member	
2	**Dr.S.Tamil Selvan** Assistant Professor & Head/CSD Erode Sengunthar Engineering College	Chairman	28/12/23
3	**Dr.Rajeswari Sridhar** Associate Professor, Department of Computer Science and Engineering, National Institute of Technology, Trichy	University Nominee	28/12/2023
4	**Dr.M.Senthilkumar** Associate Professor/ CSE, School of Computer Science and Engineering, Amrita Vishwa Vithya peetham,Coimbatore	Academic Experts Nominated by Academic Council – subject experts from outside the parent university	M.Senthil 28/12/23
5	**Dr.P.Prakash,** Associate Professor / CSE, School of Computer Science and Engineering, VIT University, Chennai.		28/12
6	**Mr.Mujibur Rahman** Senior Manager Soft crylic, Coimbatore	Representative from industry/ Corporate sector relating to placement	— AB —
7	**Mr. Satheeshkumar Kanakasabapathy** CEO, Nxt Newton LLP Coimbatore		K Satheesh
8	**Mr.K.Samraj** Associate Director, Exterro R&D, Coimbatore	Alumnus nominated by the principal	k. S

9	Dr. V. Venkatachalam Professor & Principal	Internal Members	
10	Ms.S.Sivaselvi Assistant Professor		
11	Ms.E.Angel Anna Prathiba Assistant Professor		
12	Ms.J.S.Sharanyanivasini Assistant Professor		
13	Mr.K.Pathmanaban Assistant Professor		

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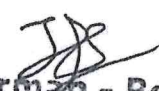# DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

ACTION TAKEN REPORT

(FOR 4th BOARD OF STUDIES MEETING)

Sl. No.	Name of the Expert	Recommendations	Action Taken
B.E. COMPUTER SCIENCE AND DESIGN			
1	Dr. Rajeshwari Sridhar ASP/CSE, NIT, Trichy	Recommended to move Unit II between Unit IV and Unit V in Machine Learning Syllabus	Changes made as per Expert suggestion
2	Dr. Rajeshwari Sridhar ASP/CSE, NIT, Trichy	Recommended to the topic Multi Layer Perception of Unit II to Unit III	As per Expert suggestion, the changes are incorporated.
3	Dr. Rajeshwari Sridhar ASP/CSE, NIT, Trichy Mr. Satheesh Kanagasabapathy CEO NxtNewton LLP, Coimbatore	Recommended to modify Experiment 10 of Machine Learning Laboratory syllabus. Recommended to remove the word Cloud framework from the 10th Experiment.	Modified Machine Learning Laboratory experiments as per expert recommendation
4	Dr. Rajeshwari Sridhar ASP/CSE, NIT, Trichy	Recommended for removing the course Digital Electronics and including Computer Organization and Architecture in the 3rd semester	Computer Organization and Architecture is included in the 3rd Semester.
5	Dr. Rajeshwari Sridhar ASP/CSE, NIT, Trichy Mr. Satheesh Kanagasabapathy CEO NxtNewton LLP, Coimbatore	Suggested to include Operating Systems Theory and Laboratory in 3rd Semester	Included Operating Systems Theory and Laboratory in 3rd Semester
6	Dr. Rajeshwari Sridhar ASP/CSE, NIT, Trichy	Recommended to include Data Structures using C, C++ and Java by Mark Allen Weise text book in the Data Structure Syllabus. Recommended to add the topics All Pair Shortest Path, Huffman Tree in the Design and Analysis of Algorithms Syllabus	Included the text book as per expert suggestion Updated the Expert suggested topics in the Design and Analysis of Algorithms Syllabus
7	Dr. M. Senthilkumar ASP/CSE Amrita Vishwa Vidhyapeetham Dr. S. Prakash ASP/CSE VIT, Chennai	Recommended to transfer Java Programming Theory and Laboratory from 3rd Semester to 4th Semester	As per Expert recommendation, Java Programming Theory and Laboratory is transferred from 3rd Semester to 4th Semester
8	Mr.K.Samraj Associate Director, Exterro R&D, Coimbatore	Recommended to include the topic Different types of hard disk which includes SSD in Operating Systems Subject.	Different types of hard disk in the Operating Systems Subject as per expert suggestion.
9	Dr. M. Senthilkumar ASP/CSE Amrita Vishwa Vidhyapeetham	Suggested to modify CO1 and CO2 Bloom Taxonomy action verbs of Operating System Syllabus	Expert suggestion is incorporated in the Operating System Syllabus.

Dr. V.VENKATACHALAM, M.S.,M.Tech.,Ph. Chairman - BoS
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10	Mr. Satheesh Kanagasabapathy CEO NxtNewton LLP, Coimbatore	Recommended to include DDL, DML, DCL, Simple Query, Join Query, Nested Query and SQL with operators in the Database Management System Syllabus. Recommended to remove unwanted theory portion in Unit III and Unit IV and include more practical oriented topics in the Database Management System Syllabus	Included DDL, DML, DCL, Simple Query, Join Query, Nested Query and SQL with operators in the Database Management System Syllabus as per guidelines of the Expert. Recommended suggestions are updated in the Database Management System Syllabus
11	Dr. Rajeshwari Sridhar ASP/CSE, NIT, Trichy	Recommended to include more number of design subjects in the vertical course	Suggestions are incorporated in the vertical courses.
12	Dr. M. Senthilkumar ASP/CSE Amrita Vishwa Vidhyapeetham Dr. S. Prakash ASP/CSE VIT, Chennai	Suggested to reduce the Syllabus Content for the identified courses	Suggestions are incorporated in the vertical courses

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