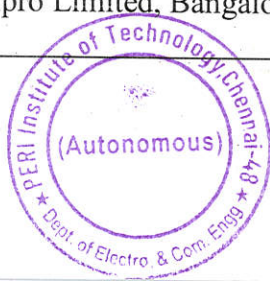


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF SECOND BOARD OF STUDIES MEETING

The Second Board of Studies (BoS) meeting of the Department of Electronics and Communication Engineering was conducted on 18.02.2025 through online mode (Google Meet) at 11.00 A.M (IST). The following members were present,

S.No	Name of the Faculty	Designation
1	Dr.R.Rajeswari , Head of the Department, ECE	Chairman
2	Dr.B. BanuRekha , Associate Professor, Department of Bio-Medical Engineering, PSG College of Technology, Coimbatore-641004	Subject Expert - University Nominee
3	Dr.G.Velmathi , Professor, School of Electronics, Vellore Institute of Technology, Chennai.	Subject Expert from outside the Parent University
4	Dr.J.Selvakumar , Professor, Department of ECE SRM Institute of Science and Technology, Kattankulathur.	Subject Expert from outside the Parent University
5	Mr.SasikumarJeyachandran , Delivery Manager , L&T Technology Services, Chennai.	Industrial Expert
6	Mr.K.R.Barathwaj , Project Engineer, Wipro Limited, Bangalore.	Alumni



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7	Dr.G.Nallathambi, Professor, ECE	Internal Subject Expert
8	Dr.A.V. Mayakannan, Professor, ECE	Internal Subject Expert
9	Dr.K.Rajmohan, Associate Professor, ECE	Internal Subject Expert
10	All the faculty Members of the Department	Member

Dr.R.Rajeswari, Chairman of the Board of Studies (BoS), commenced the meeting by extending a warm welcome and providing an overview of the Department of Electronics and Communication Engineering. She also took the opportunity to introduce the external members to the internal members. The Chairman then presented the following agenda to guide the discussions and deliberations of the members.

Agenda:

1. Chairman's presentation of Curriculum and Syllabus (3rd and 4th semester) both PG and UG
2. Discussion about the Curriculum and Syllabus.

The Board of Studies (BoS) members have reviewed the curriculum and syllabus for 3rd and 4th semester and provided their comments and suggestions, which are detailed below,

1. Recommended to review the allotted credit hours for the problematic paper sufficiently cover the six units while ensuring an equitable distribution across all units.
2. Suggested consolidating the sixth unit with the previous one for better coherence and incorporating tutorial hours in circuit analysis to enhance student understanding.
3. Suggested replacing the terms 'design and analysis' with 'structure and characteristics' in the Electronic Devices and Circuits course to better align with the intended learning level.
4. Suggested maintaining a fixed number of textbooks and reference materials uniformly across all subjects.



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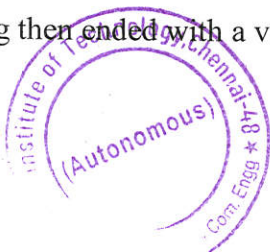
5. Recommended revising the Digital System Design syllabus by removing topics related to the numeric system, as they are covered in the 12th standard, and reconsidering the inclusion of advanced topics such as Cadence and FPGA.
6. Suggested including the topic 'S-parameter' under the Transmission Line section and adding David K. Cheng's textbook to the syllabus for Electromagnetic and Transmission Lines.
7. Recommended increasing the credit allocation for the Control Systems course and suggested specifying the number of topics covered by each textbook or reference in the syllabus for improved clarity.
8. Suggested incorporating more analysis and design-based experiments in practical sessions to enhance experiential learning.
9. Recommended the following changes to the Professional Electives: Review the subjects 'Biomedical Instrumentation' and 'Biomedical Electronics', as 'Medical Image System' does not fall under the ECE department's electives and should be replaced with a suitable alternative. Include a course on semiconductor devices in the first column of Vertical 1. Also, review the subject title 'IoT Processor', as it may be too complex for students.

Based on the suggestions given by the members, the Chairman of BoS told that those fruitful suggestions would be incorporated appropriately in the Curriculum and Syllabi.

BoS resolved to recommend the following to the Academic Council for further approval.

- i) Curriculum for core courses of B.E. Electronics and Communication Engineering (ECE) Programme as enclosed in **Annexure I**.
- ii) Syllabus for 3rd and 4th Semester Electronics and Communication Engineering core subjects as enclosed in **Annexure II**.
- iii) List of Professional and Open Elective Courses in B.E. Electronics and Communication Engineering (ECE) Programme as enclosed in **Annexure III**
- iv) Curriculum and Syllabus for core courses of M.E. Communication Systems as enclosed in **Annexure IV**.
- v) Curriculum and Syllabus for core courses of M.E. Applied Electronics as enclosed in **Annexure V**.

Meeting then ended with a vote of thanks by Dr.K.Rajmohan, Associate Professor/ECE.



Based on the minutes of BoS meeting – 2 the following modifications were made:

1. The BoS recommendation to review the allotted credit hours and ensure balanced coverage across all six units was considered, and the syllabus has been reframed to align with the given credit structure. (**Annexure I Page No.2**)
2. The suggestion to consolidate the sixth unit with the previous one for better coherence and to include tutorial hours in circuit analysis has been implemented to enhance student understanding. (**Annexure II Page No.4**)
3. The recommendation to replace the terms 'design and analysis' with 'structure and characteristics' in the Electronic Devices and Circuits course has been incorporated to align with the intended learning level. (**Annexure II Page No.7**)
4. The BoS suggestion to maintain a fixed number of textbooks and reference materials across all subjects has been adopted for uniformity (**Annexure II**)
5. The revisions to the Digital System Design syllabus, including the removal of topics related to the numeric system and the reconsideration of advanced topics such as Cadence and FPGA, have been addressed and updated accordingly. (**Annexure II Page No.13**)
6. The inclusion of the 'S-parameter' topic under the Transmission Line section and the addition of David K. Cheng's textbook in the Electromagnetic and Transmission Lines syllabus were incorporated as suggested. (**Annexure II Page No.34 & 35**)
7. The suggestion to incorporate more analysis and design-based experiments into the practical sessions has been taken into account to enhance hands-on learning. (**Annexure II Page No.24,26,45,46**)
8. All suggested and recommended comments regarding the Professional Electives have been addressed, and the structure has been framed accordingly to ensure better alignment with departmental relevance and student needs. (**Annexure III Page No.1**)
9. Along with the above suggestions, the general recommendations provided by the members have also been incorporated into the curriculum and syllabus to enhance overall clarity, coherence, and academic relevance.



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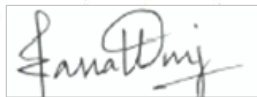
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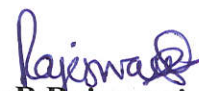
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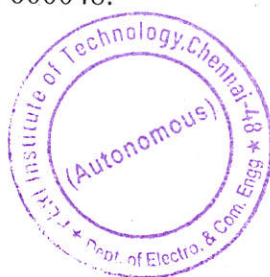
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