

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF FIRST BOARD OF STUDIES MEETING

The first Board of Studies (BoS) meeting of the Department of Electronics and Communication Engineering was conducted on 02.08.2024 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. Banu Rekha , 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.Sasikumar Jeyachandran , Delivery Manager , L&T Technology Services, Chennai.	Industrial Expert
6	Mr.K.R.Barathwaj , Project Engineer, Wipro Limited, Bangalore.	Alumni



7	Dr.G.Nallathambi, Professor, ECE	Internal Subject Expert
8	Mrs.S.Mahalakshmi, Assistant Professor, ECE	Internal Subject Expert
9	Mrs.S.Shobana, Assistant Professor, ECE	Internal Subject Expert
10	All the faculty Members of the Department	Member

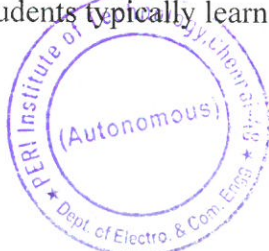
Dr.R.Rajeswari, Chairman of the Board of Studies (BoS), commenced the meeting by extending a warm welcome and providing an overview of the Department of Electronics and Communication Engineering. She also took the opportunity to introduce the external members to the internal members. The Chairman then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

Agenda:

1. Chairman's presentation of Curriculum and Syllabus (1st and 2nd 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 1st and 2nd semester and provided their comments and suggestions, which are detailed below,

1. Recommended adjusting the credit level for the course 'Introduction to Electronics and Communication Engineering Profession,' as the current credit level is considered too advanced.
2. Suggested incorporating some topics from the 3rd semester course 'Electronic Devices and Circuits' into the 2nd-semester course 'Basic Electrical and Electronics Engineering' to better balance the curriculum and emphasize key aspects of the core domain in 'Electronic Devices and Circuits'.
3. Recommended separating the 2nd semester course 'Programming C and Data Structure' into two distinct subjects: 'Programming C' and 'Data Structure'. They have also suggested moving 'Programming C' to the 1st semester in place of 'Fundamentals of Computer Science,' as students typically learn this subject at the school level.



4. Members recommended reviewing the syllabus for 'Engineering Graphics Design' and modifying it from its conventional format to one that is more focused on ECE-specific design principles.
5. The board recommended swapping the subjects: moving VLSI Design and MEMS Technology from the 5th semester to the 6th semester, and VLSI Design using VHDL from the 6th semester to the 5th semester.
6. Recommended converting the integrated course 'Advanced Embedded Systems and IoT' in the 6th semester to focus more on design aspects.
7. Suggested planning ECE design courses, such as the design of custom PCBs, to enhance practical skills.
8. Suggested moving the Professional elective course 'Measurement and Instrumentation' into the core curriculum.
9. Suggested changing the title of the professional elective course 'Introduction to MEMS and NEMS' to better reflect that it should not include an introductory focus.

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.

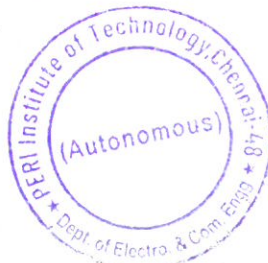
- i) Curriculum for core courses of B.E. Electronics and Communication Engineering (ECE) Programme as enclosed in **Annexure I**.
- ii) Syllabus for 1st and 2nd Semester Electronics and Communication Engineering core subjects as enclosed in **Annexure II**.
- iii) List of Professional and Open Elective 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 Mrs. S. Mahalakshmi, Assistant Professor/ECE.



Based on the minutes of BoS meeting – 1 the following modifications were made:

1. The credit level for the 1st semester course "Introduction to Electronics and Communication Engineering Profession" has been reduced from 3 to 2 (**Annexure I Page No.1**).
2. To emphasize electronic circuits, certain topics from the 3rd semester course "Electronic Devices and Circuits" have been moved to the 2nd semester course "Basic Electrical and Electronics Engineering." 2 (**Annexure II Page No. 4**).
3. The 2nd semester course "Programming in C and Data Structures" has been split into two separate courses: "Embedded C" and "Data Structures." "Embedded C" has been moved to the 1st semester and "Data Structures" to the 3rd semester. Additionally, "Python Programming for Embedded Systems" has been included in the 2nd semester curriculum. (**Annexure I Page No.1 & 2**).
4. The Engineering Graphics Design syllabus for the 1st semester has not been revised, as it remains common across all branches. However, we are planning to introduce new design courses.
5. The courses "VLSI Design and MEMS" from the 5th semester and "Digital Design Using Verilog" from the 6th semester have been swapped. (**Annexure I Page No.3**).
6. The integrated course "Advanced Embedded Systems and IoT" in the 6th semester will place a greater emphasis on design aspects in the syllabus.
7. The PCB Design course has been added as a professional elective, following the recommendation of the Board of Studies members. (**Annexure III Page No.1**).
8. The course Measurement and Instrumentation has been moved from the professional elective category to the open elective category. It has not been included in the core curriculum because the current core courses are deemed more essential for ECE students. Additionally, this course is not part of the Anna University curriculum under Regulation 2021. (2 (**Annexure III Page No.1**)).
9. The "Introduction to MEMS and NEMS" course has been removed from the professional elective list, as we already have the "VLSI Design and MEMS" course in the 6th semester (**Annexure I Page No.3**).



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INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

Mannivakkam, Chennai – 600 048

(Approved by AICTE, Affiliated to Anna University & Accredited by NAAC)



Dr.B. Banu Rekha,
Associate Professor,

Department of Bio Medical Engineering,
PSG College of Technology,
Coimbatore - 641 004.



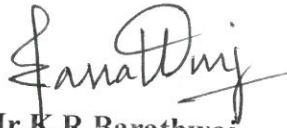
Dr.G. Velmathi,
Professor,
School of Electronics,
Vellore Institute of Technology,
Chennai



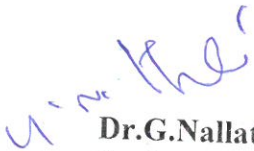
Dr.J.Selvakumar,
Professor,
Department of ECE
SRM Institute of Science and Technology,
Kattankulathur.



Mr.Sasikumar Jeyachandran,
Delivery Manager,
L&T Technology Services,
Chennai.



Mr.K.R.Barathwaj,
Project Engineer,
Wipro Limited, Bangalore.



Dr.G.Nallathambi,
Professor / ECE,
PERI Institute of Technology,
Mannivakkam,
Chennai-600048.



Mrs.S.Mahalakshmi ,
Assistant Professor / ECE,
PERI Institute of Technology,
Mannivakkam,
Chennai-60048



Mrs.S.Shobana ,
Professor / ECE,
PERI Institute of Technology,
Mannivakkam,
Chennai-600048.



Dr.R.Rajeswari ,
Chairman, BoS / ECE
Head & Associate Professor
PERI Institute of Technology,
Mannivakkam, Chennai
CHAIRMAN
Board of Studies
Department of ECE
PERI Institute of Technology (A)
Mannivakkam, Chennai-48