



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY



An Autonomous Institution

Affiliated to Pondicherry University, Approved by AICTE, New Delhi.

Accredited by NAAC with 'A' Grade

Kalitheerthalkuppam, Puducherry- 605 107.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Minutes of 3rd Board of Studies Meeting

The Third Board of Studies meeting of Department of Electronics and Communication Engineering was held on **27th August 2026 from 2:00 PM to 4:45 PM.**

The following members were present for the BoS meeting

S.NO	Name of the Member with Designation and official Address	Members as per UGC Norms
1.	Dr.T. Manochandar Associate Professor and Head Dept.of.ECE	Chairperson
2.	Dr. T. Shanmuganatham Professor Department of Electronics Engineering School of Engineering & Technology Pondicherry University	University Nominee
3.	Dr. G.F.Sudha Professor Dept. of ECE Pondicherry Technological University Puducherry	Subject Expert
4.	Dr. Vinoth Babu K Professor Grade 2 School of Electronics Engineering Department of Communication Engineering Vellore Institute of Technology, Vellore	Subject Expert
5.	Dr. Arunkumar Palaniappan Senior Product Manager, Rapyuta Robotic Chennai, Tamil Nadu	Industry Expert
6.	Dr. B.Yogameena Professor and Head Department of Education Media and Technology National Institute of Technical Teachers Training and Research Chennai	Special Expert
7.	Mr.M.Velmurugan Lead Developer, NU logic Private Ltd. Chennai	Alumni Member

8.	Dr. R. Valli, Professor/ECE Dr. M. Jayekumar, Professor/ECE Dr. A. Thenmozhi, Professor/ECE Dr S. Semmalar, ASP/ECE Dr.P.Senthil ASP/ECE Dr. S. Vinoth, AP/ECE Dr. R. Sofia, AP/ECE Dr. S. Anbazhagan, AP/ECE Dr. R. Sambathkumar, AP/ECE Dr. M. Sivasindhu, AP/ECE Dr. Kameshwaran, AP/ECE Mr. V. Rajesh, AP/ECE Mr. S. Mohanraj, AP/ECE Mr. M. Sivaraj, AP/ECE Mrs. K. Alamelu, AP/ECE Mrs. R. Vithiya, AP/ECE Mrs. G.Sharmila, AP/ECE Mrs. D. Marygetsy, AP/ECE Mr. C. Thiagarajan, AP/ECE Mr K. Sabarinathan, AP/ECE Mrs. Zarina Begum, AP/ECE Mrs. K.Ranjitha, AP/ECE Mr. R. Srimannarayanan, AP/ECE Mrs. V.Mohana, AP/ECE Mrs. P.Vadivukarasi, AP/ECE Ms. R.Punithalakshmi, AP/ECE Mr.Jeeva Saravanan, AP/ECE Mrs. G. Kalpana, AP/ECE Mr. Poobalan, AP/ECE Mr. R.Sathyamoorthy, AP/ECE . Mr. Jason, AP/ECE Ms. K.Vaishali AP/ECE Mrs. R.Vijayalakshmi AP/ECE	Internal Members
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Agenda of the Meeting

1. To present the institutional and departmental profile with updates on achievements since the previous BoS meeting.
2. To review the Action Taken Report on the previous BoS recommendations.
3. To review and approve the V Semester curriculum and syllabus
4. To review VI Semester curriculum and change of subject form VII to VI semester
5. To consider the changes in professional elective courses.
6. To consider changes in VII and VIII semester electives.
7. To discuss industry, research and emerging technology requirements in the curriculum.
8. To discuss faculty development initiatives and certification requirements.
9. Any other items with the permission of the Chair.

Minutes of the Meeting

Dr. T. Manochandar, Chairman, BoS, officially announced the opening of the meeting and welcomed the external, internal and co-opted members. The Action Taken Report of the previous BoS meeting was presented, followed by detailed deliberations on the agenda items relating to curriculum, Course Outcomes, mapping, assessment, pedagogy and syllabus revisions.

Resolution No.	Description
ECE/BOS/3.1	The Action Taken Report of the previous Board of Studies meeting was presented and reviewed.
ECE/BOS/3.2	The Board noted that the textbook prescribed for Data Communication and Networking (DCN) need to be updated to 6th edition. The Board emphasized that assessment methodology should receive special attention. Individual assessment methods should be incorporated wherever appropriate, and suitable evaluation methods should be identified for each course.
ECE/BOS/3.3	The Board recommended the use of diversified evaluation methods, including model-based evaluation, case studies, presentations, report writing and problem-solving activities, wherever relevant.
ECE/BOS/3.4	The Board recommended that textbooks and reference materials be reviewed and updated. References should be from standard and recent editions, publication details should be complete, and relevant web links should be provided.
ECE/BOS/3.5	The Board observed that Course Outcomes should use measurable and appropriate action verbs. The use of 'Understand' as an outcome verb should be avoided where it does not permit measurable assessment.
ECE/BOS/3.6	The Board recommended that Course Outcomes be properly connected with course objectives and that the PO and PSO statements be aligned with the intended course objectives and outcomes.
ECE/BOS/3.7	The Board recommended effective and relevant CO-PO/PSO mapping. The mapping should reflect actual course contribution and should not be included merely as a formal exercise.
ECE/BOS/3.8	The Board emphasized improvement in pedagogical practices and suggested that faculty members handling courses should possess adequate subject knowledge and adopt suitable teaching-learning approaches.
ECE/BOS/3.9	For IoT Systems, the Board recommended introducing an 'Introduction to AWS Cloud Platform' in Unit III. The Course Outcomes and CO-PO mapping should also be reviewed and revised appropriately.
ECE/BOS/3.10	For IoT-related content, the Board advised that the proposed syllabus should not duplicate the content already covered in the V Semester and should provide distinct and progressive learning.
ECE/BOS/3.11	For VLSI, the Board recommended including Low Power Design in the appropriate module and considering relevant memory-related topics. The syllabus should be reviewed for current industry relevance.

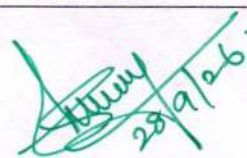
ECE/BOS/3.12	The Board recommended replacing the word “Understand” in CO5 with a measurable action verb. The syllabus may also include table-lookup implementation and appropriate multirate signal processing concepts, including interpolation. The course structure may be revised to cover architecture followed by applications, with Unit IV focusing on Multirate Signal Processing.
ECE/BOS/3.13	For Digital Coding, the Board recommended revising the instructional hours from 9 hours to 15 hours, introducing suitable content in Module V, and reviewing the Module III content. LDPC and Polar Codes may be included as contemporary coding topics.
ECE/BOS/3.14	For Digital IC Design, the Board recommended strengthening practical and implementation-oriented content, including FPGA-related learning and Low Power Design where appropriate.
ECE/BOS/3.15	For Remote Sensing Technology, the Board recommended updating the syllabus with contemporary topics such as satellite-to-cellular communication, Non-Terrestrial Networks (NTN) and High Altitude Platform Stations (HAPS), as appropriate.
ECE/BOS/3.16	The Board recommended a comprehensive review and revision of the syllabus to ensure alignment with emerging application areas. The syllabus may include suitable biomedical image processing applications and latest image segmentation techniques, with emphasis on their practical implementation and relevance to current technological developments.
ECE/BOS/3.17	For wireless communication-related content, the Board recommended reviewing topics such as Zigbee and Bluetooth, including the relevance of the MAC layer and contemporary wireless networking applications.
ECE/BOS/3.18	The Board observed that some proposed syllabi are heavily loaded. The contents should be streamlined, particularly for advanced-level courses, to make them manageable and effective for students.
ECE/BOS/3.19	The Board recommended that Professional Elective courses include appropriate practical or laboratory-oriented components wherever feasible to strengthen application-based learning.
ECE/BOS/3.20	The Board recommended strict adherence to NEP guidelines while finalizing and implementing the curriculum, including appropriate alignment of course structure, outcomes and learning processes.
ECE/BOS/3.21	The Board recommended introduction of NPTEL/SWAYAM courses in the curriculum.
ECE/BOS/3.22	The Board emphasized that all Course Outcomes, CO-PO/PSO mappings, syllabus contents, references and evaluation methods should be carefully verified before final implementation.
ECE/BOS/3.23	The Board recommended updating Unit III to include cloud platforms such as AWS and Things Peak (Thing Speak) for IoT-based data storage, processing, and analytics. The syllabus may also incorporate multimedia compression techniques, including recent and widely used standards such as H.264, H.265/HEVC, and other relevant compression techniques.

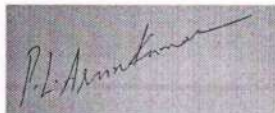
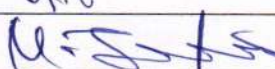
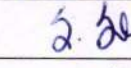
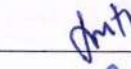
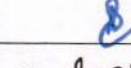
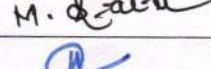
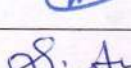
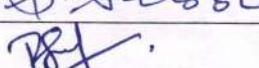
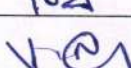
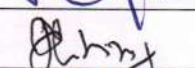
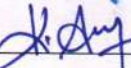
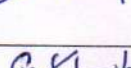
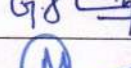
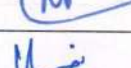
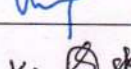
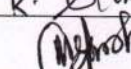
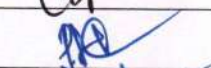
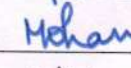
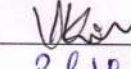
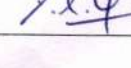
SUGGESTIONS BY BOS MEMBERS FOR FURTHER PROCEEDINGS

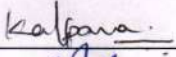
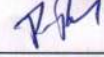
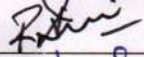
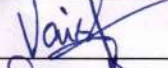
1.	Relevant NPTEL/SWAYAM and other standard online learning resources may be used to strengthen subject knowledge and student learning.
2.	Course documents should be checked for consistency among objectives, COs, CO-PO/PSO mapping, assessment methods, textbooks, references and web resources before approval.
3.	Wherever possible, practical, application-oriented and diversified evaluation methods should be incorporated to improve student engagement and learning outcomes.
4.	Syllabus content should be periodically reviewed to remove obsolete or repetitive topics and to incorporate contemporary technologies and industry requirements.

The meeting concluded at 4:45 PM. Dr. T. Manochandar, Chairman, Board of Studies, Department of Electronics and Communication Engineering, extended a formal vote of thanks to all members for their valuable contributions and active participation in strengthening the academic curriculum of the department.

Attendance

S.No	Name of the Member with Designation and official Address	Responsibility in the BoS	Signature
5.	Dr.T.Manochandar Associate Professor and Head Dept.of.ECE	Chairperson	
6.	Dr. T. Shanmuganatham Professor Department of Electronics Engineering School of Engineering & Technology Pondicherry University	University Nominee	
7.	Dr. G.F.Sudha Professor Dept. of ECE Pondicherry Technological University Puducherry	Subject Expert	
8.	Dr. Vinoth Babu K Professor Grade 2 School of Electronics Engineering Department of Communication Engineering Vellore Institute of Technology, Vellore	Subject Expert	

5.	Dr. Arunkumar Palaniappan Senior Product Manager, Rapyuta Robotic Chennai, Tamil Nadu	Industry Expert	
6.	Dr. B.Yogameena Professor and Head Department of Education Media and Technology National Institute of Technical Teachers Training and Research Chennai	Special Expert	
7.	Dr. R. Valli, Professor/ECE	Internal Members	
8.	Dr. M. Jayekumar, Professor/ECE	Internal Members	
9.	Dr. A. Thenmozhi, Professor/ECE	Internal Members	
10.	Dr S. Semmalar, ASP/ECE	Internal Members	
11.	Dr. S. Vinoth, AP/ECE	Internal Members	
12.	Dr. R. Sofia, AP/ECE	Internal Members	
13.	Dr. M. Sivasindhu, AP/ECE	Internal Members	
14.	Dr. Kameshwaran, AP/ECE	Internal Members	
15.	Dr. S. Anbazhagan, AP/ECE	Internal Members	
16.	Dr. R. Sambathkumar, AP/ECE	Internal Members	
17.	Mr. V. Rajesh, AP/ECE	Internal Members	
18.	Mr. S. Mohanraj, AP/ECE	Internal Members	
19.	Mr. M. Sivaraj, AP/ECE	Internal Members	
20.	Mrs. K. Alamelu, AP/ECE	Internal Members	
21.	Mrs. R. Vithiya, AP/ECE	Internal Members	
22.	Mrs. G.Sharmila, AP/ECE	Internal Members	
23.	Mrs. D. Marygetsy, AP/ECE	Internal Members	
24.	Mr. C. Thiagarajan, AP/ECE	Internal Members	
25.	Mr K. Sabarinathan, AP/ECE	Internal Members	
26.	Mrs. Zarina Begum, AP/ECE	Internal Members	
27.	Mrs. K.Ranjitha, AP/ECE	Internal Members	
28.	Mr. R. Srimannarayanan, AP/ECE	Internal Members	
29.	Mrs. V.Mohana, AP/ECE	Internal Members	
30.	Mrs. P.Vadivukarasi, AP/ECE	Internal Members	
31.	Ms. R.Punithalakshmi, AP/ECE	Internal Members	

32.	Mr.Jeeva Saravanan, AP/ECE	Internal Members	
33.	Mrs. G. Kalpana, AP/ECE	Internal Members	
34.	Mr. Poobalan, AP/ECE	Internal Members	
35.	Mr. R.Sathyamoorthy, AP/ECE	Internal Members	
36.	Mr. Jason, AP/ECE	Internal Members	
37.	Mrs. R. Vijayalakshmi, AP/ECE	Internal Members	
38.	Mr. K.Vaishali, AP/ECE	Internal Members	
39.	Dr.P. Senthil , ASP/ECE	Internal Members	