



*9th UG - Board of Studies Meeting in the department of
Electronics and Communication Engineering*

for the Programme
B.Tech – Electronics and Communication Engineering

Venue

Board Room, Department of ECE
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Date & Time

20-03-2025 & 11.00 am

BOARD OF STUDIES MEETING

The Ninth Board of Studies meeting for UG programme was held on 20th March 2025 at 11:00 am in the Seminar Hall, Department of ECE, Sri Manakula Vinayagar Engineering College with the Head of the Department in the Chair.

The following members were present for the BoS meeting in the venue

Sl. No	Name of the Member	Designation
1	Dr. P. Raja Professor and Head, Department of ECE	Chairman
2	Dr.R.Kurinjimalar	Member
3	Dr.SB.Lenin	Member
4	Dr.J.Pradeep	Member
5	Dr.N.Saranya	Member
6	Mrs.V.Logisvary	Member

The following members were present on the online platform

Sl. No	Name of the Member	Designation
1	Dr. M. Jagannath Professor, School of Electronics Engineering Vellore Institute of Technology, Chennai.	Expert Member (University Nominee)

	+988438626, agan.faith@gmail.com	
2	Dr.J.Charles Pravin, Professor, Department of ECE Kalasalingam Academy of Research and Education, Krishnankoil 9566368171 charles@klu.ac.in	Expert Member (Academic Council Nominee)
3	Dr.V.J.K.Kishore Sonti, Professor, School of Electrical and Electronics, Sathyabama Institute of Science and Technology, Chennai. 9043536557 drkishore.sonti@gmail.com	Expert Member (Academic Council Nominee)
4	Prof. R. Nakkeeran Professor, Department of Electronics Engineering School of Engineering & Technology Pondicherry University 9443029346	Expert Member (Principal Nominee)
5	Er.R. Murali Srinivasan, Principal Engineer, Western Digital Corporation Prestige Park, Prestige Excelsior, Building No. 143/1, Amani Belandur Kane Village Varthur Hobli, Bangalore. 9731324679 muralisrivathsav@gmail.com	Industry Member
6	S. Krishnakumar, Test Engineer (Cloud Architect), Wipro Technologies, Survey No - 602/03, SEZ Ave, ELCOT SEZ, Sholinganallur, Chennai, TN, India-600119. Ph. 9791317100. Mail- krishnakumars2508@gmail.com	Alumni Member

AGENDA OF THE MEETING

BoS /2025 /UG/ECE 9.1

To review and confirm the minutes of the Eighth meeting of BoS held on September 5, 2024,

BoS /2025 /UG/ECE 9.2

To discuss and approve the Syllabi for Seventh semester of the B.Tech – Electronics and Communication Engineering students under Regulations 2023.

- Professional Core Courses
- Professional Elective Courses

BoS /2025 /UG/ECE 9.3

To approve the modification in syllabi of the courses offered for B.Tech (Honors) in Electronics and Communication Engineering with specialization in “Internet of Things” under Regulations 2023

BoS /2025 /UG/ECE 9.4

To apprise the assessment of the courses offered for B.Tech (Honors) in Electronics and Communication Engineering with specialization in “Internet of Things” under Regulations 2023

BoS /2025 /UG/ECE 9.5

To approve the students registered for the B.Tech Honors / Minor Degree under Regulations 2023

BoS /2025 /UG/ECE 9.6

To apprise the Measures for the improvement of the standards of teaching and research

- CO / PO attainment
- Events organized
- Publications – Papers and Patents
- Student Participation in various events
- Internship
- MoUs Signed

BoS /2025 /UG/ECE 9.7

Any other additional points with the permission of the chair.

MINUTES OF THE MEETING

Dr. P. Raja, Chairman, BoS opened the meeting with warm welcome and thanked all the Members for accepting the Ninth BoS meeting Invitation for the B.Tech programme. The Chairman proceeded the meeting subsequently and discussed the agenda items.

BoS / UG / ECE 9.1 To review and confirm the minutes of the Eighth meeting of BoS held on September 5, 2024,

The Eight BOS Meeting for B.Tech- Electronics and Communication Engineering, M.Tech.- Electronics and Communication Engineering and M. Tech – VLSI and Embedded Systems under Regulations 2022 and 2023 was held on 05-09-2024 and minutes are reviewed and confirmed

Semester - V: Professional Core Courses

S. No	Title of Course	Suggestions	Action Taken
1	Digital Communication	Members insisted Unit-I with a modification of matched filter and its probability of error can be included, since knowledge of matched filters is essential for optimal signal detection in noisy environments and improves signal recovery in communications.	Unit I has been modified to include matched filter and its probability of error to enhance students' understanding
2	Digital Communication Laboratory	Members suggested to Include some simulation tool to generate ASK, FSK and PSK etc.,	A simulation tool has been integrated into the lab curriculum, to help students gain hands-on experience

3	Micro project	Reduce the team size from four students to two students to assess the student project effectively. Since it is a micro-level project, keeping the group size at four may result in minimal contributions from each student, limiting their practical exposure.	The team size has been reduced from four to two students to ensure better assessment of individual contributions
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Professional Elective –II (Offered in Semester – V)

S. No	Title of Course	Suggestions	Action Taken
1	Introduction to MEMS	<ul style="list-style-type: none"> The members suggested that the syllabus is too extensive and suggested to modify the syllabus with the fundamental knowledge Unit–II : remove the topic High Speed Ratio (HSR) Technology Unit–V : Remove Parylene, Fluorocarbon, Actuators for large plane translation motion, Role of MEMs in IOT, Industrial Applications to be removed 	The syllabus has been modified to focus on fundamental knowledge and eliminate excessive content.
2	Real time Operating system	<ul style="list-style-type: none"> Members insist on reducing Unit-I since it is too large, and the suggestion was provided to include Task and scheduling as a separate unit. The fault tolerance techniques given in Unit-5 is to be replaced with real time databases and Communication. 	Unit I has been reduced to balance the syllabus load. Unit V: Fault tolerance techniques have been replaced with Real-Time Databases and Communication
3	Hardware Description Languages	<ul style="list-style-type: none"> Members suggested that to focus any one type of Hardware Description Language either Verilog or VHDL. Hence Unit -IV and Unit V contents had been revised based on HDL description 	Unit IV and Unit V have been revised accordingly to align with the chosen HDL.
4	Network Information Security	<ul style="list-style-type: none"> Members stated that Unit-I should include general fundamental topics. Unit II had been modified as User authentication and Access control 	Unit I & II has been modified as per recommendations.

Minutes are Reviewed and Confirmed

BoS / UG / ECE 9.2	<p>To discuss and approve the Syllabi for Seventh semester of the B.Tech – Electronics and Communication Engineering students under Regulations 2023.</p> <ul style="list-style-type: none"> Professional Core Courses Professional Elective Courses
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The following courses have been modified as per the BOS members' suggestion in semester VII as per guidelines of AICTE model curriculum.

All the suggestions are considered and updated in the respective courses the details are given in **annexure - I**

VII-Semester – Core

Course Code	Course Name	Remarks
U23ECTC01	Internet of Things	Members Insisted to reframe the syllabus for content reduction Unit 4 has been replaced with the title Development

		Framework instead of IoT Security & Privacy Unit 5: delivers the real-time applications on IoT
U23ECT713	RF and Microwave Communication	Detailed study of RF and microwave frequencies can be condensed or even removed in favor of focusing on the communication standards
U23ECT714	Wireless Communication	Course outcomes need to be modified based on the respective units.
U23ECPC01	Internet of Things Laboratory	Experiments can be made more specific
U23ECW703	Project Phase -I	Procedures were appreciated by the board members
U23ECW704	Industrial Training / Internship	Procedures were appreciated by the board members

Annexure - I

All the suggestions are considered and updated in the respective courses the details are given in **annexure - II**

VII Semester – Professional Elective –IV

Course Code	Course Name	Remarks
U23ECEC01	Digital Image Processing	The latest editions of textbooks and reference books should be utilized, ensuring a consistent numbering system across both categories.
U23ECE714	Optical Communication	
U23ECE715	Aircraft Communication and Navigation Systems	
U23ECE716	Body Area Network	

Annexure - II

All the suggestions are considered and updated in the respective courses the details are given in **annexure - III**

VII Semester – Open Elective – II

Course Code	Course Name	Remarks
U23ECOC03	IIoT and its Applications	Appreciated the contents as it is applicable for real time application
U23ECOC04	RFID System Design and Testing	

Annexure - III

**BoS / UG /
ECE 9.3**

To approve the modification in syllabi of the courses offered for B.Tech (Honors) in Electronics and Communication Engineering with specialization in “Internet of Things” under Regulations 2023

The following courses have been modified as per the BOS members’ suggestion in semester IV as per guidelines of AICTE model curriculum.

All the suggestions are considered and updated in the respective courses the details are given in **annexure - IV**

IV-Semester – Core

Course Code	Course Name	Remarks
U23IXB401	Sensors Transducers Technology	The Course title needed to be justified, and Tinker cad can be removed from the syllabus

Annexure - IV

Noted and Approved

**BoS / UG /
ECE 9.4**

To apprise the assessment of the courses offered for B.Tech (Honors) in Electronics and Communication Engineering with specialization in “Internet of Things” under Regulations 2023.

The Honors/Minor Degree discussion was inferred with the expert members for the students admitted in the Department of Electronics and Communication Engineering from the academic year 2023-24 for the encouragement and enhancement of the students .and Core assessments were appreciated by the expert members

Noted and Approved

**BoS / UG /
ECE 9.5**

To approve the students registered for the B.Tech Honors / Minor Degree under Regulations 2023

The Honours/Minor students’ registration were inferred with the expert members for the students admitted in the Department of Electronics and Communication Engineering from the academic year 2023-24.

Number Students Registered in each subject as follows

Name of the Honours Degree Programme	Offering Department	Course Code	Name of the Course	Number of Students Registered
Internet of Things	ECE	U23IXB401	Sensors Transducers Technology	47
Sensor Technology	ICE	U23SXB401	Smart Sensors	5
Artificial Intelligence and Machine Learning	AIDS	U23ADX401	Parallel Programming and High- Performance Computing	1

**BoS / UG /
ECE 9.6**

To apprise the Measures for the improvement of the standards of teaching and research

- CO / PO attainment
- Events organized
- Publications – Papers and Patents
- Student Participation in various events
- Internship
- MoUs Signed

The Chairman discussed regarding the Industry Institute Interaction for the Department of Electronics and Communication Engineering in turn many Guest lectures had been initiated, MOUs signing had initiated with Internship offers to the students, Industrial Visits will be providing industrial exposure to the students

**BoS / PG /
ECE 9.7**

Any other additional points with the permission of the chair.

Dr. P. Raja, Chairman – BoS and Head of Department, Electronics and Communication Engineering, concluded the meeting at 2.00 pm with vote of thanks.

Dr. P. RAJA
Board Chairman - ECE