



**SRI MANAKULA VINAYAGAR**  
ENGINEERING COLLEGE  
(AN AUTONOMOUS INSTITUTION)



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

*9<sup>th</sup> Board of Studies Meeting in the Department of  
Electronics and Communication Engineering*

*for the Programme*

**B.Tech. – Electronics and Communication Engineering**

***Venue***

**Seminar Hall,**

Department of Electronics and Communication Engineering  
Sri Manakula Vinayagar Engineering College  
Madagadipet, Puducherry – 605 107

***Date & Time***

**March 20, 2025, at 11.00 am.**

## MINUTES OF BOARD OF STUDIES MEETING

The Ninth Board of Studies meeting for B.Tech Electronic and Communication Engineering programme was held on March 20, 2025 at 11:00 am in the Seminar Hall, Department of ECE, Sri Manakula Vinayagar Engineering College, Puducherry.

### MEMBERS OF THE BOARD OF STUDIES

#### 1. Head of the Department concerned (Chairperson).

**Dr. P. Raja**, Professor and Head

#### 2. All faculty members of the Department.

Name and Designation	Specialization
<b>Dr.A.Jayachitra</b> , Professor	Control and Instrumentation
<b>Dr. R.Kurinjimalar</b> , Professor	Mobile Satellite Communication
<b>Dr. R. Subramanian</b> , Professor	Embedded System
<b>Dr.C.A.Sathyamoorthy</b> , Professor	Biomedical Engineering
<b>Dr. J.Pradeep</b> , Associate Professor	Image Processing
<b>Dr.P.Arunagiri</b> , Associate Professor	Wireless Communication
<b>Dr.S.B.Lenin</b> , Associate Professor	Wireless Communication, VLSI Design
<b>Dr.PremKumar.S</b> , Associate Professor	Wireless Communication
<b>Dr.N.Saranya</b> , Assistant Professor	Antennas and Microwave Engineering
<b>Dr.S.Dhivya</b> , Assistant Professor	Digital Image Processing
<b>Dr.R.Vijayarani</b> , Assistant Professor	Wireless Communication
<b>Dr.R.Kalaiyaran</b> , Assistant Professor	Wireless Communication
<b>Dr.Vankayala Chethan Prakash</b> , Assistant Professor	Wireless Communication
<b>Dr.T.Deepa</b> , Assistant Professor	RF and Microwave Communication
<b>Mrs.S.Jayanthi</b> , Assistant Professor	VLSI Design
<b>Mrs.V.Logisvary</b> , Assistant Professor	Applied Electronics
<b>Mr.J.Soundararajan</b> , Assistant Professor	Digital Communication and Network Engineering.
<b>Mr.M. Harikrishnan</b> , Assistant Professor	Image Processing
<b>Mr.Uthayasuriyan K</b> , Assistant Professor	Communication Systems
<b>Mr.Pushparaj. S</b> , Assistant Professor	VLSI Design
<b>MrsJanani. C</b> , Assistant Professor	Electronics and Communication Engineering
<b>Navaneethakrishan.V.M</b> , Assistant Professor	Embedded Systems
<b>Mrs.Krishnalakshmi.A</b> , Assistant Professor	Communication Systems
<b>Mrs.P.Srividdhya</b> , Assistant Professor	Image Processing
<b>Mr.S.Ganesan</b> , Assistant Professor	Electrical Drives and Control
<b>Mrs.Kavitha.K</b> , Assistant Professor	Communication Systems
<b>Mrs.Tamilselvi D</b> , Assistant Professor	Communication Technology
<b>Mr.Mohanram. S</b> , Assistant Professor	Embedded System Technology
<b>Ms.K.Archana</b> , Assistant Professor	Applied Electronics
<b>Mrs.R.Gayathri</b> , Assistant Professor	Signal Processing
<b>Ms.R.Priya</b> , Assistant Professor	Digital Image Processing
<b>Mr.Mahendra Peruman. P</b> , Assistant Professor	VLSI Design
<b>Mrs.Sivasankari. S</b> , Assistant Professor	Embedded System Technology

<b>Mr.K.Jambulingam</b> , Assistant Professor	Wireless Communication
<b>Mr.P. Suseendar</b> , Assistant Professor	Embedded Systems
<b>Mrs.T.S.Krishnapriya</b> , Assistant Professor	Embedded Systems
<b>Senthilkumar.G. K</b> , Assistant Professor	Laser and Electrooptical Engineering
<b>Mrs.S.Anbarasi</b> , Assistant Professor	Wireless Communication
<b>Mr.Sundar Mohan</b> , Assistant Professor	Image Processing
<b>Mr J.Dhanapathi</b> , Assistant Professor	Process Control and Instrumentation
<b>Mrs.S.Vandhana</b> , Assistant Professor	VLSI Design
<b>Mr. Sivakumar. R</b> , Assistant Professor	Embedded Systems
<b>Mr.Ilayaraja.R</b> , Assistant Professor	VLSI Design
<b>Mrs.Megalajothi.D</b> , Assistant Professor	Electronics and Communication Engineering
<b>Mrs.Priethamjevithya</b> . Assistant Professor	Digital Communication
<b>Mr.S.Yuvaraj</b> , Assistant Professor	VLSI Design
<b>Mrs. Priyanga. E</b> , Assistant Professor	Communication Systems
<b>Ms.Arthy R</b> , Assistant Professor	VLSI and Embedded Systems
<b>Ms.A.Preetha</b> , Assistant Professor	Electronics and Communication Engineering
<b>Invited Members</b>	
<b>Dr. B. Kanimozhi</b> , Professor	Computational Fluid Dynamics
<b>Dr.T.Jayavarthanam</b> , Professor	Vibrational Spectrography
<b>Dr. S. Savithri</b> , Professor	Environmental Chemistry
<b>Dr. P. Rajeswari</b> , Associate Professor	Indian Writing in English

### 3. Subject experts from outside the parent University

<b>Dr.J.Charles Pravin</b> , Professor, Department of ECE Kalasalingam Academy of Research and Education, Krishnankoil	<b>Dr.V.J.K.Kishore Sonti</b> , Professor, School of Electrical and Electronics, Sathyabama Institute of Science and Technology, Chennai.
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### 4. University Nominee

**Dr. M. Jagannath**  
Professor, School of Electronics Engineering  
Vellore Institute of Technology, Chennai.  
+988438626, agan.faith@gmail.com

### 5. Representative from the Industry/Corporate sector/allied areas

**Er.R. Murali Srinivasan**,  
Principal Engineer, Western Digital Corporation  
Prestige Park, Prestige Excelsior,  
Building No. 143/1, Amani Belandur Kane Village  
Varthur Hobli, Bangalore.  
Ph.9731324679, mail - muralisrivathsav@gmail.com

### 6. One member of the College alumni to be nominated by the principal.

**S. Krishnakumar**,  
Test Engineer (Cloud Architect),  
Wipro Technologies,  
Survey No - 602/03, SEZ Ave, ELCOT SEZ, Shollinganallur,  
Chennai, TN, India-600119.

Ph. 9791317100; Mail- krishnakumars2508@gmail.com

**7. Experts from outside the Autonomous College, whenever special courses of studies are to be formulated, to be nominated by the principal.**

**Prof. R. Nakkeeran**

Professor, Department of Electronics Engineering, School of Engineering & Technology  
Pondicherry University

**The following members attended the meeting online**

Sl. No	Name of the Member	Designation
1	Dr. M. Jagannath	Expert Member (University Nominee)
2	Dr.J.Charles Pravin,	Expert Member (Academic Council Nominee)
3	Dr.V.J.K.Kishore Sonti,	Expert Member (Academic Council Nominee)
4	Prof. R. Nakkeeran	Expert Member (Principal Nominee)
5	Er.R. Murali Srinivasan,	Industry Member
6	S. Krishnakumar,	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 Ninthh BoS meeting Invitation for the B.Tech programmes. The Chairman proceeded the meeting subsequently and discussed the agenda items.

### BoS /2025 /UG/ECE 9.1

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

The eighth BoS meeting for B.Tech - Electronics and Communication Engineering program under Regulations 2023 was held on September 5, 2024. The chairman presented the action taken report based on the suggestions provided by the BoS members

S.No	Sem	Title of Course	Suggestions	Action Taken
1	V	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	V	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	V	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
4	V	Introduction to MEMS	<ul style="list-style-type: none"> <li>• The members suggested that the syllabus is too extensive and suggested to modify the syllabus with the fundamental knowledge</li> <li>• Unit-II : remove the topic High Speed Ratio (HSR) Technology</li> </ul> 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.
5	V	Real time Operating system	<ul style="list-style-type: none"> <li>• 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.</li> </ul> The fault tolerance techniques given in Unit-	Unit I has been reduced to balance the syllabus load. Unit V: Fault tolerance techniques have been

S.No	Sem	Title of Course	Suggestions	Action Taken
			5 is to be replaced with real time databases and Communication.	replaced with Real-Time Databases and Communication
6	V	Hardware Description Languages	<ul style="list-style-type: none"> <li>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</li> </ul>	Unit IV and Unit V have been revised accordingly to align with the chosen HDL.
7	V	Network Information Security	<ul style="list-style-type: none"> <li>Members stated that Unit-I should include general fundamental topics. Unit II had been modified as User authentication and Access control</li> </ul>	Unit I & II has been modified as per recommendations.

**Members review the action taken report and confirm the Minutes of 8<sup>th</sup> BoS Meeting**

**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

The members reviewed the syllabus of each course offered in Semester – VII under Regulations 2023 and gave the following suggestions.

**Semester - VII: Professional Core Courses**

Course Code	Course Name	Remarks
U23ECTC01	Internet of Things	<ul style="list-style-type: none"> <li>Members insisted on reframing the syllabus to narrow down the course objectives instead of covering a wide range of topics. This will help students better understand the fundamentals of the respective course.</li> <li>In Unit V, applications of IoT may be included, allowing students to grasp the basics before diving into complex real-world applications. This approach will help them connect theoretical concepts to practical use cases later in the course</li> </ul>
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

**Updated Syllabus given in Annexure – I**

**The syllabus for each course offered in Semester VII was discussed in detail, and the members approved it with minor revisions.**

**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

The course “Sensors Transducers Technology” offered in Semester -IV for Students opted for B.Tech Honors Degree is reviewed and appreciated about the content of the syllabi. Also, requested to execute experiments using simulation.

**Updated Syllabi given in Annexure –II**

**Noted and Approved**

**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

The members reviewed the assessment process for the courses offered for B.Tech Honors Degree

**Reviewed and Approved**

**BoS /2025 /UG/ECE 9.5**

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

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The details of the students who are registered for B.Tech Honours/Minor degree offered in our Institution

Name of the Honours Degree Programme	Offering Department	Number of Students Registered
Internet of Things	ECE	47
Sensor Technology	ICE	5
Artificial Intelligence and Machine Learning	AIDS	1

*The registered Student Details are given in Annexure –II*

**Noted and Approved**

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**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
- MoUs Signed

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The members appreciated the

- the process involved in CO-PO attainment level
- More number of events organized by the Department
- Publications in more reputed Journals
- MoU signed with various Institution and Organizations

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

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**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**  
Chairperson – BoS



**Dr. M. Jagannath**  
Member - University Nominee

**Dr.J.Charles Pravin**  
Member – Academic Council Nominee

**Dr.V.J.K.Kishore Sonti,**  
Member – Academic Council Nominee

**Prof. R. Nakkeeran**  
Member – Subject Experts

**Er.R. Murali Srinivasan,**  
Member – Industry Nominee

**S. Krishnakumar**  
Member – Alumni Nominee

**Dr. R. Subramanian**  
Member - Professor/ ECE

**Dr.A.Jayachitra,**  
Member - Professor/ ECE

**Dr. C.A. Sathiyamoorthy**  
Member - Professor/ ECE

**Dr. J. PRADEEP**  
Member – Associate Professor/ ECE

**Dr. R. KURINJIMALAR**  
Member - Professor/ ECE

**Dr.P.Arunagiri,**  
Member – Associate Professor/ ECE

**Dr.S.B.Lenin,**  
Member – Associate Professor/ ECE

**Dr.PremKumar.S,**  
Member – Associate Professor/ ECE

**Dr.N.Saranya,**  
Member – Assistant Professor/ ECE

**Dr.R.Vijayarani,**  
Member – Assistant Professor/ ECE

**Dr.S.Dhivya,**  
Member – Assistant Professor/ ECE

**Dr.Vankayala Chethan Prakash,**  
Member – Assistant Professor/ ECE

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Member – Assistant Professor/ ECE

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**Navaneethakrishan.V.M**  
Member – Assistant Professor/ ECE

**Mr.P.Mahendra Peruman,**  
Member – Assistant Professor/ ECE

**Mr.S.Ganesan,**  
Member – Assistant Professor/ ECE

**Mr.S.Mohanram,**  
Member – Assistant Professor/ ECE

**Ms.R.Priya,**  
Member – Assistant Professor/ ECE

**Mrs. M.S. Vandhana,**  
Assistant Professor

**Mrs.T.S.Krishnapriya,**  
Member – Assistant Professor/ ECE

**Mrs.S.Anbarasi,**  
Member – Assistant Professor/ ECE

**Mrs.Kavitha.K,**  
Member – Assistant Professor/ ECE

**Ms. R. Arthy,**  
Member – Assistant Professor/ ECE

**Mr.J.Soundarajan,**  
Member – Assistant Professor/ ECE

**Mrs.P.Srividdhya,**  
Member – Assistant Professor/ ECE

**Mr.M. Harikrishnan,**  
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Member – Assistant Professor/ ECE

**Mrs.Tamilselvi D,**  
Member – Assistant Professor/ ECE

**Ms. A. Preetha,**  
Member – Assistant Professor/ ECE



**G. K. SenthilKumar**

Member – Assistant Professor/ ECE



**K. Uthayasuriyan**

Member – Assistant Professor/ ECE



**R. Srividhya**

Member – Assistant Professor/ ECE



**R. Sivakumar**

Member – Assistant Professor/ ECE



**A. Krishnalakshmi**

Member – Assistant Professor/ ECE



**C. Janani**

Member – Assistant Professor/ ECE



**Dr. B. Kanimozhi,**

Invited Member – Professor/ Mathematics



**Dr. S. Savithri,**

Invited Member – Professor/ Chemistry



**Dr. T. Jayavarthanam,**

Invited Member – Professor/ Physics



**Dr. P. Rajeswari,**

Invited Member – Associate Professor/ English