National Engineering College, K.R.Nagar, Kovilpatti– 628503
(An Autonomous Institution -Affiliated to Anna University, Chennai)
www.nec.edu.in

Department of Electronics and Communication Engineering

23rd Board of Studies Meeting

Venue: COE Conference Hall, National Engineering College
K.R.Nagar, Kovilpatti – 628503

Date & Time: 31.05.2025 &11.00 A.M

AGENDA

ECE/BoS 23.1	:	Welcome address and Opening Remarks by Chairman, Board of studies of the Department of Electronics and Communication Engineering
ECE/BoS 23.2	:	Confirmation of the Minutes and action taken report of the 22nd Board of studies meeting of the Department of Electronics and Communication Engineering held on 29th November 2024.
ECE/BoS 23.3	:	Business brought forward by the Chairman, Board of studies.
		23.3.1. UG degree programme R-2023 VI Semester syllabus.
		23.3.2. UG degree programme elective course R-2023
ECE /BoS 23.4	:	Suggestions given by the BoS Members

F. No. 1-1/NEC/ECE/BoS

31st May, 2025

Dear Sir/Madam,

> **Sub:** *Minutes of the 23rd Board of Studies Meeting of Department of Electronics and Communication Engineering - Reg.*

The 23rd Board of Studies Meeting of Department of Electronics and Communication Engineering, National Engineering College, K.R.Nagar, Kovilpatti – 628503 was held on 31st May 2025 at 11.00 A.M in the COE Conference Hall, National Engineering College. Thank you for attending the meeting and giving valuable suggestions. The minutes of the meeting is attached herewith.

Kindly go through the minutes and give your remarks if any. Please acknowledge the receipt of this mail and approve the minutes if there are no comments from your end.

Thanking You,

Yours Sincerely

(Dr.S.Tamil Selvi)

Department of Electronics and Communication Engineering

23rd BoS Meeting- Minutes

held on 31st May 2025 at 11.00 A.M

Venue: COE Conference Hall, National Engineering College
K.R.Nagar, Kovilpatti – 628503

MINUTES OF THE MEETING

The 23rd Board of studies Meeting of the Department of Electronics and Communication Engineering was held on 31st May, 2025 at 11.00 A.M in the COE Conference Hall, National Engineering College, K.R.Nagar, Kovilpatti– 628503. The Board of Studies members are as follows,

1.	Dr.S.Tamil Selvi, Professor & Head	Chairman
2.	Dr.S.Shanmugavel, Director	Internal Members
3.	Dr.A.Shenbagavalli, Professor & Dean (Academic & Faculty Development)	
4.	Dr.T.S.Arun Samuel, Professor	
5.	Dr. K.J.Prasanna Venkatesan, Asso. Professor	
6.	Mr.S.Cammillus, Assistant Professor (SG)	
7.	Dr.K.Subramanian, Assistant Professor (SG)	
8.	Mr.B.Ganapathy Ram, Assistant Professor (SG)	
9.	Mrs.S.Malathi, Assistant Professor	
10.	Dr.S.Lavanya, Assistant Professor	
11.	Mrs.S.Sulochana, Assistant Professor	
12.	Mrs.S.Muguntha Mala, Assistant Professor	
13.	Dr.S.Subaselvi, Assistant Professor	
14.	Mrs.S.Pricilla Mary, Assistant Professor	
15.	Dr. V.R. Vijaykumar, Professor, Department of Electronics and Communication Engineering, Anna University- MIT Campus, Chennai.	Academic Expert nominated by Anna University, Chennai

16.	Dr. P.Prakash, Professor, Dept. of ECE, Anna University- MIT Campus, Chennai- 600 025.	Academic experts nominated by Academic Council
17.	Dr.E.S.Gopi, Professor, Department of ECE, National Institute of Technology, Tiruchirappalli.	Academic Experts nominated from Central Institutions
18.	Mr.S.Madhusudhan, Director, Vlinder Labs Pvt Ltd, Bengaluru - 560102.	Industrial Experts
19.	Mr.Jeyakantan Murugan, Senior Engineering Leader, ZF Group, Chennai	
20.	Mr. M.Ramesh, Manager, Technology, Data Patterns India (P) Ltd., Chennai	
21.	Dr.M.Satheesh Kumar, Associate Principal, Cyber Security, LTIMindtree, Chennai.	Alumni Expert
22.	Ms.Abhi Shree S –III ECE	Student Members
23.	Mr.Arun Karthick A–IV ECE	

BoS/ECE 23.1	:	**WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES OF THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**
		The Chairman, BoS of the department of Electronics and Communication Engineering welcomed and introduced the members of the 23rd Board of Studies.
BoS/ECE 23.2	:	**TO CONFIRM THE MINUTES OF 22nd BOS MEETING HELD ON 29th November 2024.**
		The minutes of the 22nd Board of Studies meeting held on 29th November 2024 were communicated to the members. The received comments have been properly analyzed and corrections have been carried out in the syllabus.

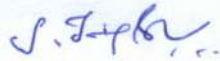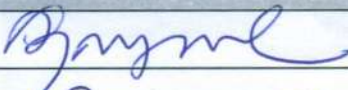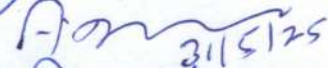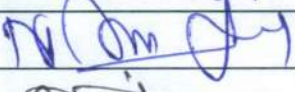|		
		Then it was presented in 22nd Academic Council meeting held on 21st December 2024 and the same was approved. ➤ Action Taken Report (Enclosed in *Annexure I*)
BoS/ECE 23.3.1	:	**Consider and approve the syllabus of VI semester U.G. degree programme (B.E) under R-2023**
		Resolved to approve the syllabus of VI semester U.G. degree programme (B.E) under R-2023
BoS/ECE 23.3.2	:	**Consider and approve the Programme Elective Courses of U.G. degree programme under R-2023.**
		Resolved to approve the Programme Elective Courses of U.G. degree programme under R-2023.
BoS/ECE 23.4	:	**SUGGESTIONS GIVEN BY THE BoS MEMBERS**
23.4.1	:	**SEMESTER VI:** ➤ In 23EC61C Wireless Communication, the expert members suggested to include practical components. The members have recommended to combine the contents of small-scale fading concepts (CO3) with the large-scale fading concepts (CO2) and to include link budget calculation in CO2. The members also suggested to include some wireless standards other than mobile technology. ➤ For 23EC62C – Antenna and Wave Propagation, the board members suggested to add Beam forming methods in various applications of communications. ➤ In 23EC63C – Artificial Intelligence and Machine Learning Course under CO1 Introduction to NLP and LLM may be included, ethical and social impact of AI and ML may be introduced, Specific application or case study relevant to electronics and communication domain
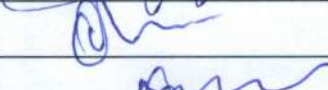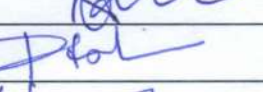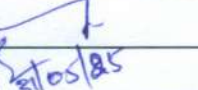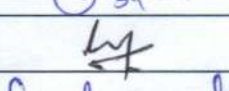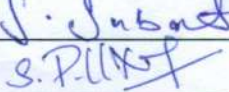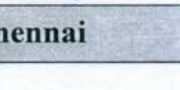
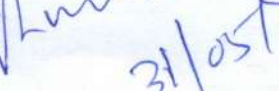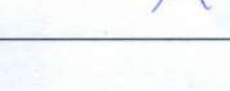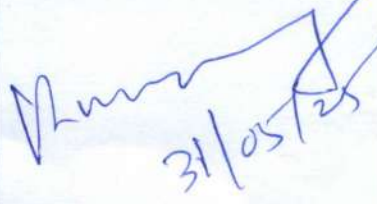|			
			might be mentioned in the course content.
			➢ In Adhoc and Wireless sensor network Program elective course, signal processing part of MANET, end to end connectivity of MANET may be included.
			➢ In Computer Architecture program elective course, the expert members suggested modifying CO2. Members suggested to include RISK, CISK and GPU based processor operations and their memory organisations.
			➢ In Optical Communication and Networks program elective course, expert members recommended to include some practical component or case study. They also suggested to include recent edition/reprint of textbooks and reference books.
			➢ In Product development and practice, expert members felt that innovative projects may come out when it is a mixed team of students from various disciplines, they also suggested to start with simulation level project and finally bring it to the hardware product model.
	23.4.2	:	**Common Suggestions Given by the Expert Members** ➢ Expert members suggested to register for "chip to start" free software course for students at free of cost ➢ Expert members suggested to include Industry Oriented one credit courses in the curriculum. Also they have suggested to improve Cyber Security and Vulnerability courses in the programme elective

The members had a brainstorming discussion and interaction among themselves. Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

1. Core Courses for the 6th semester and Programme elective courses of UG degree programmes under R-2023.
2. Additional courses for proposed Verticals in UG degree programmes under R-2023, along with the syllabus.
3. Any other matter.

Mrs. S. Mugunthamala, Asst. Professor/ ECE thanked all the members for their kind cooperation and the meeting came to an end.

Members Present:

	Chairman	Signature
1.	**Dr. S.TamilSelvi,** Professor & Head, Department of ECE, National Engineering College, Kovilpatti.	
	Internal Members	
2.	Dr.S.Shanmugavel, Director	
3.	Dr.A.Shenbagavalli, Professor & Dean (Academic & Faculty Development)	
4.	Dr.T.S.Arun Samuel, Professor	
5.	Dr. K.J.PrasannaVenkatesan, Asso. Professor	
6.	Mr.S.Cammillus, Assistant Professor (SG)	
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13.	Dr.S.Subaselvi, Assistant Professor	
14.	Mrs.S.Pricilla Mary, Assistant Professor	
	Academic Expert nominated by Anna University, Chennai	
15.	**Dr. V.R. Vijaykumar,** Professor, Department of Electronics and Communication Engineering, Anna University- MIT Campus, Chennai.	

	Academic Experts nominated by Academic Council	
16.	**Dr. P.Prakash,** Professor, Dept. of ECE, Anna University- MIT Campus, Chennai	*[signature] 31/5/25*
	Academic Experts nominated by Central Institutions	
17.	**Dr.E.S.Gopi,** Professor, Department of ECE, National Institute of Technology, Tiruchirappalli.	*[signature]*
	Industrial Experts	
18.	**Mr.S.Madhusudhan,** Director, VlinderLabsPvt Ltd, Bengaluru - 560102.	*[signature]*
19.	**Mr.JeyakantanMurugan,** Senior Engineering Leader, ZF Group, Chennai	*[signature] 31/5/25*
20.	**Mr. M.Ramesh,** *Manager Technology.* ~~Senior Technical Engineer~~, Data Patterns India (P) Ltd., Chennai	*[signature]*
	Alumni Expert	
21.	**Dr.M.Satheesh Kumar,** Associate Principal, Cyber Security, LTIMindtree, Chennai. Email: satheeshnecece@gmail.comContact no:9500088817	*[signature] 31/5/25*
	Student Members	
22.	Ms.Abhi Shree S –III ECE	*[signature]*
23.	Mr.ArunKarthick A–IV ECE	*A. Arun Karthik*

[signature]

CHAIRMAN

BOARD OF STUDIES

23rd BOARD OF STUDIES MEETING - DEPARTMENT OF ECE ON 31.05.2025