

21<sup>st</sup> BOS Meeting - Minutes  
held on 24<sup>th</sup> May 2024 at 10.00A.M

Venue: K.R.Innovation Centre, National Engineering College  
K.R.Nagar, Kovilpatti – 628503

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

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

21<sup>st</sup> Board of studies Meeting of the Department of  
**Electronics and Communication Engineering**

**Venue:** K.R.Innovation Centre, National Engineering College  
K.R.Nagar, Kovilpatti – 628503

Date & Time: 24.05.2024 & 10.00A.M

**AGENDA**

ECE/BoS21.1	:	Welcome address and Opening Remarks by Chairman, Board of studies of the Department of Electronics and Communication Engineering
ECE/BoS21.2	:	Confirmation of the Minutes and action taken report of the 20 <sup>th</sup> Board of studies meeting of the Department of Electronics and Communication Engineering held on 24 <sup>th</sup> November 2023.
ECE/BoS 21.3	:	Business brought forward by the Chairman, Board of studies.
	21.3.1.	UG degree programme-Programme Specific Outcome
	21.3.2.	UG degree programme R-2023 IV Semester syllabus.
	21.3.3	UG degree programme R-2023 List of Electives and Verticals
	21.3.4	UG degree programme R-2023 II & III Semester Curriculum Frame Structure
ECE /BoS 21.4	:	Suggestions given by the BoS Members

**National Engineering College, K.R. Nagar, Kovilpatti – 628 503**  
(An Autonomous Institution - Affiliated to Anna University, Chennai)  
www.nec.edu.in

**F. No. 1-1/NEC/Branch/ECE**

**24<sup>th</sup> May, 2024**

Dear Sir/Madam,

**Sub: Minutes of the 21<sup>st</sup> Board of Studies Meeting of Department of Electronics and Communication Engineering - Reg.**

The 21<sup>st</sup> Board of studies Meeting of Department of Electronics and Communication Engineering, National Engineering College, K.R. Nagar, Kovilpatti – 628503 was held on 24<sup>th</sup> May 2024 at 10.00 A.M in the K.R. Innovation Centre, 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

  
24.5.24  
(Dr.S.TamilSelvi)

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**MINUTES OF THE MEETING**

The 21<sup>st</sup>Board of studies Meeting of the Department of Electronics and Communication Engineering was held on 24<sup>th</sup> May, 2024 at 10.00 A.M in the K.R.Innovation Centre, National Engineering College, K.R.Nagar, Kovilpatti- 628503.

The Board of Studies members are as follows,

1.	Dr.S.TamilSelvi, 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. N.Arumugam, Asso. Professor	
6.	Dr. K.J.Prasanna Venkatesan, Asso. Professor	
7.	Dr.C.Balamurugan, Asso. Professor	
8.	Dr. A.Saravanaselvan, Asso.Professor	
9.	Dr.R.Manjula Devi, Asst. Professor (SG)	
10.	Mrs.S.Malathi, Assistant Professor	
11.	Dr.S.Lavanya, Assistant Professor	
12.	Mrs.S.Sulochana, Assistant Professor	
13.	Dr.Logeshwaran, Assistant Professor	
14.	Dr. R.A. Alaguraja Professor, Department of ECE, Thiagarajar College of Engineering, Madurai	
15.	Dr.K.Murugan, Professor, Ramanujan Computing Centre, College of Engineering, Anna University, Chennai	Academic Expert nominated by Academic Council
16.	Dr. P.Prakash, Professor, Dept. of ECE, Anna University- MIT Campus, Chennai	
17.	Mr.S.Madhusudhan, Director, Vlinder Labs Pvt Ltd, Bengaluru	Industrial Experts
18.	Mr.Jeyakantan Murugan, Senior Engineering Leader, ZF Group, Chennai	

19.	Mrs.Mehala Balasundaram, Technical Staff Writer, Synopsys, Bangalore	
20.	Dr.M.Satheesh Kumar, Associate Principal, Cyber Security, LTI Mindtree Chennai.	Alumni Expert
21.	Mr. M. Balamurugan, III Year ECE	Student Members
22.	Ms. S.Anu Sandhya, III Year ECE9	

BoS/ECE 21.1	:	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 21 <sup>st</sup> Board of Studies.
BoS/ECE 21.2	:	TO CONFIRM THE MINUTES OF 20 <sup>th</sup> BOS MEETING HELD ON 24 <sup>th</sup> November 2023.
		The minutes of the 20 <sup>th</sup> Board of Studies meeting held on 24 <sup>th</sup> November 2023 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 20 <sup>th</sup> Academic Council meeting held on 16 <sup>th</sup> December 2023 and the same was approved. ➤ Action Taken Report (Enclosed in <i>Annexure I</i> )
BoS/ECE 21.3.1	:	Approve the proposed Programme Specific Outcome of U.G. degree programme (B.E) under R-2023
		Resolved to approve the proposed Programme Specific Outcome of U.G. degree programme (B.E) under R-2023
BoS/ECE 21.3.2	:	Consider and approve the syllabus of IV semester U.G. degree programme (B.E) under R-2023
		Resolved to approve the syllabus of IV semester U.G. degree programme (B.E) under R-2023
BoS/ECE 21.3.3	:	Consider and approve the List of Electives and Verticals of U.G. degree programme (B.E) under R-2023

		Resolved to approve the List of Electives and Verticals U.G. degree programme (B.E) under R-2023
BoS/ECE 21.4	:	<b>SUGGESTIONS GIVEN BY THE BOS MEMBERS</b>
21.4.1	:	<p><b>Proposed Programme Specific Outcome</b></p> <p>➤ Expert members gave few suggestions for the refinement of programme specific outcomes and the suggested programme specific outcomes were noted.</p>
21.4.2	:	<p><b><u>SEMESTER IV:</u></b></p> <p>➤ Expert members suggested to change the title of 23EC41C Electromagnetic Waves to Electromagnetic Theory or Electromagnetic Theory and Waves or Theory of Electromagnetic Fields.</p> <p>➤ Expert members suggested move few reference books to text books for the course 23EC42C Analog Circuits I.</p> <p>➤ Expert members commented that the syllabus is too heavy for the course 23EC43C Communication Theory and Systems. Expert members suggested to move few digital communication topics to the higher semester and also suggested to change the title as Communication Theory instead of Communication Theory and Systems.</p> <p>➤ Expert members suggested to reduce few topics and suggested to focus only on industry required topics for the course 23EC44C Digital Signal Processing. Also suggested to add few latest edition books in the text books and references.</p> <p>➤ Expert members suggested to focus more on the RISC architectures and also suggested to combine the CO4 and CO5 content for the course 23EC45C Microprocessor and Microcontroller.</p> <p>➤ Expert members suggested to modify the course content based on their suggestions for the course 23EC46C System Modelling.</p>
21.4.2	:	<p><b><u>SEMESTER IV:</u></b></p> <p>➤ Expert members suggested to change the title of 23EC41C Electromagnetic Waves to Electromagnetic Theory or Electromagnetic Theory and Waves or Theory of Electromagnetic Fields.</p>

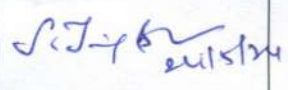
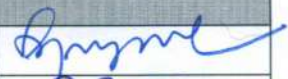


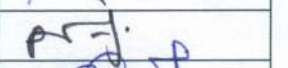




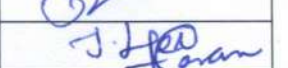
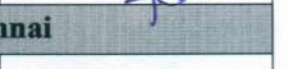

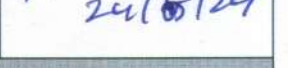

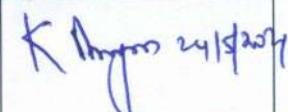
	<ul style="list-style-type: none"> <li>➤ Expert members suggested move few reference books to text books for the course 23EC42C Analog Circuits I.</li> <li>➤ Expert members commented that the syllabus is too heavy for the course 23EC43C Communication Theory and Systems. Expert members suggested to move few digital communication topics to the higher semester and also suggested to change the title as Communication Theory instead of Communication Theory and Systems.</li> <li>➤ Expert members suggested to reduce few topics and suggested to focus only on industry required topics for the course 23EC44C Digital Signal Processing. Also suggested to add few latest edition books in the text books and references.</li> <li>➤ Expert members suggested to focus more on the RISC architectures and also suggested to combine the CO4 and CO5 content for the course 23EC45C Microprocessor and Microcontroller.</li> <li>➤ Expert members suggested to modify the course content based on their suggestions for the course 23EC46C System Modelling.</li> </ul>
21.4.3 :	<p><u>Electives and Verticals:</u></p> <ul style="list-style-type: none"> <li>➤ Expert members suggested to move few courses under open elective and also suggested to remove few redundant course titles.</li> </ul>
21.4.4 :	<p><u>PG Elective Course:</u></p> <ul style="list-style-type: none"> <li>➤ Expert members commented to redefine the course outcomes.</li> </ul>
21.4.5 :	<p><u>Suggestions by Student Members:</u></p> <ul style="list-style-type: none"> <li>➤ Students suggested that a 360° simulation tool/AI tool may be used during content delivery for the better visualization and understanding of concepts.</li> <li>➤ Students commented that while comparing R2019 curriculum with the R2023 curriculum they feel that there is more scope for enhancing their practical knowledge in R2023 curriculum which would be more beneficial for them to understand the concepts.</li> </ul>

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. UG degree programme Programme Specific Outcomes.
2. UG degree programme R-2023 IV semester syllabus.
3. UG degree programme R-2023 Elective and Verticals list.
4. UG degree programme R-2023 II & III Semester Curriculum Frame Structure
5. PG degree programme R-2023 Elective
6. Any other matter.

Dr. T.Arun Samuel Professor / ECE thanked all the members for their kind cooperation and the meeting came to an end.

**Members Present:**

Chairman		Signature
1.	Dr. S.Tamil Selvi, Professor & Head, Department of ECE, National Engineering College, Kovilpatti.	
Internal Members		
2.	Dr.S.Shanmugavel, Director	
3.	Dr.A.Shenbagavalli, Professor & Dean (Academic)	
4.	Dr.T.S.Arun Samuel, Professor	
5.	Dr. N.Arumugam, Asso. Professor	
6.	Dr. K.J.Prasanna Venkatesan, Asso. Professor	
7.	Dr.C.Balamurugan, Asso. Professor	
8.	Dr.A.Saravanaselvan, Asso.Professor	
9.	Dr.R.Manjula Devi, Asst. Professor (SG)	
10.	Mrs.S.Malathi, Assistant Professor	
11.	Dr.S.Lavanya, Assistant Professor	
12.	Mrs.S.Sulochana, Assistant Professor	
13.	Mr.Logeshwaran, Assistant Professor	
Academic Expert nominated by Anna University, Chennai		
14.	Dr. R.A. Alaguraja Professor, Department of ECE, Thiagarajar College of Engineering, Madurai.	
Academic Experts nominated by Governing Council		
15.	Dr.K.Murugan, Professor, Ramanujan Computing Centre, College of Engineering, Anna University, Chennai	



16.	Dr. P.Prakash, Professor, Dept. of ECE, Anna University- MIT Campus, Chennai	<i>P. Prakash</i> 21/5/24
<b>Industrial Experts</b>		
17.	Mr.S.Madhusudhan, Director, Vlinder Labs Pvt Ltd, Bengaluru - 560102.	<i>S. Madhusudhan</i>
18.	Mr.Jeyakantan Murugan, Senior Engineering Leader, ZF Group, Chennai	<i>Jeyakantan Murugan</i> 21/5/24
19.	Mrs.Mehala Balasundaram, Technical Staff Writer,Synopsys, Bangalore	<i>M. Mehala</i>
<b>Alumni Expert</b>		
20.	Dr.M.Satheesh Kumar, Associate Principal, Cyber Security, LTIMindtree .•Chennai.	<i>M. Satheesh Kumar</i> 21/5/24
<b>Student Members</b>		
21.	M:Balamurugan, III Year ECE	<i>M. Balamurugan</i>
22.	S Anu Sandhya, III YEAR ECE	<i>S Anu Sandhya</i>

*P. J. J. K.*  
20.5.24

**CHAIRMAN**  
**BOARD OF STUDIES**

**21<sup>st</sup> BOARD OF STUDIES MEETING - DEPARTMENT OF ECE ON 24.05.2024**

