

Department of Electronics and Communication Engineering

MINUTES of 18th Meeting of the Board of Studies was held on
30th December 2022 at 10.00 AM

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

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

18th Board of Studies Meeting of the Department of
Electronics and Communication Engineering

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

Date & Time: 30.12.2022 & 10.00 AM

AGENDA

ECE/BoS 18.1	:	Welcome address and Opening Remarks by the Chairman, Board of studies of the Department of Electronics and Communication Engineering
ECE/BoS 18.2	:	Confirmation of the Minutes and action taken report of the 17 th Board of studies meeting of the Department of Electronics and Communication Engineering held on 2 nd July 2022.
ECE/BoS 18.3	:	Business brought forward by the Chairman, Board of studies 18.3.1. Additional Elective courses, One credit courses for UG degree programmes under R-2019. 18.3.2. Verticals for awarding Honours, Honours with specialization and Minor degree 18.3.3. To confirm the minutes of the 26 th Standing Committee Meeting held on 22.08.2022.
ECE/BoS 18.4	:	Any other matter
ECE /BoS 18.5	:	Suggestions given by the BoS Members

National Engineering College, K.R. Nagar, Kovilpatti – 628 503
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F. No. 1-1/NEC/Branch/ECE

2nd January 2023

Dear Sir/Madam,

Sub: *Minutes of the 18th Board of Studies Meeting of the Department of Electronics and Communication Engineering - Reg.*

The 18th Board of Studies Meeting of the Electronics and Communication Engineering department of National Engineering College, K.R. Nagar, Kovilpatti – 628 503 was held on 30th December 2022 at 10.00 AM at the conference hall of 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 is no comments from your end.

Thanking You,

Yours Sincerely


(Dr.A.Shenbagavalli)

National Engineering College, K.R.Nagar, Kovilpatti – 628 503

(An Autonomous Institution - Affiliated to Anna University, Chennai)

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Department of Electronics and Communication Engineering

MINUTES OF THE MEETING

The 18th Meeting of the Board of studies of the Department of Electronics and Communication Engineering was held on 30th December 2022 at 10.00 AM in the Conference Hall of the National Engineering College, K.R. Nagar, Kovilpatti– 628503.

The Board of Studies members are as follows,

1.	Dr.A.Shenbagavalli Professor & Head	Chairman
2.	Dr.S.Shanmugavel, Director	Internal Members
3.	Dr. S.Tamilselvi, Professor	
4.	Dr. T.S. Arun Samuel, Professor	
5.	Dr. V.R.S.Mani, Asso. Prof (SG)	
6.	Dr.N.Arumugam, Asso Prof	
7.	Dr.V.Suresh, Asso. Prof	
8.	Dr. K.J.Prasanna Venkatesan, Asso. Prof	
9.	Dr. T. Vijay Anandh, Asst. Prof (SG)	
10.	Dr. A. Saravana Selvan, Asst. Prof (SG)	
11.	Mr. C. Cammillus, Asst. Prof (SG)	
12.	Mr. K.Subramanian, Asst. Prof (SG)	
13.	Mr. V. Arun Janarthanan, Adjunct faculty	

14.	Dr. R.A. Alaguraja Associate professor, Department of ECE, Thiagarajar College of Engineering, Madurai - 625 015	Academic Expert nominated by Anna University, Chennai
15.	Dr.K.Murugan, Professor, Ramanujan Computing Centre, College of Engineering, Anna University, Chennai - 600025.	Academic Experts
16.	Dr.R.Pandeeswari, Associate Professor, Department of ECE, NIT Trichy - 620015.	
17.	Dr.Klutto Milleth, Chief Technologist, Centre of Excellence in Wireless Technology, IIT Madras Research Park, Chennai – 600113.	Meritorious Alumnus
18.	Mr. S. Kaliraj, Chief Scientist and Co-Founder, Vlinder Labs Pvt Ltd, Bengaluru - 560102 .	
19.	Mr.S.Madhusudhan, Director, Vlinder Labs Pvt Ltd, Bengaluru - 560102.	Industrial Experts
20.	Mr.Irshadh Abdul Rasheed K.A, Associate Partner Cyber Security, Ernst and Young LLP, Chennai - 600113.	
21.	Mrs.Mehala Balasundaram, Sr.Technical Writer II Synopsys, Bangalore - 560016.	Special Invitee
22.	Ms. G.Mithra Sri, III Year ECE	Student Members
23.	Mr.S.K.Ganapathy, III Year ECE	

The Academic Expert member Dr.R.Pandeeswari, Associate Professor, Department of ECE, NIT Trichy, Trichy – 620015, Meritorious Alumnus Mr. S. Kaliraj, Chief

Scientist and Co-Founder, Vlinder Labs Pvt Ltd, Bengaluru - 560102 and Industrial Expert member Mr.Irshadh Abdul Rasheed K.A, Associate Partner Cyber Security, Ernst and Young LLP, Chennai – 600113, could not attend the meeting due to their prior commitments and unavoidable reasons and were granted leave of absence.

BoS/ECE18.1	: WELCOME ADDRESS AND OPENING REMARKS BY THE 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 18 th Board of Studies members.
BoS/ECE 18.2	: TO CONFIRM THE MINUTES OF SEVENTEENTH BOS MEETING HELD ON 2 nd JULY 2022.
	<p>The minutes of the seventeenth Board of Studies meeting held on 2nd July 2022 were communicated to the members. The comments received have been properly analyzed and corrections have been carried out in the syllabus. Then it was presented in the 17th Academic Council meeting held on 26th July 2022 and the same was approved.</p> <p>➤ Action Taken Report</p> <p>(Enclosed in <i><u>Annexure D</u></i>)</p>
BoS/ECE18.3.1	: Additional Elective courses, One credit courses for UG degree programmes under R-2019.
	<p>➤ 19EC71E - Web Application Development</p> <p>Resolved to approve the additional elective courses for UG Degree Programme Under R-2019.</p>
BoS/ECE18.3.2	: Verticals for awarding Honours, Honours with specialization and Minor degree
	<p>➤ VERTICAL 1 - VLSI</p> <p>➤ VERTICAL 2 - Signal Processing and its Applications</p> <p>➤ VERTICAL 3 - Cyber Security</p>

		Resolved to approve the Verticals for awarding Honours, Honours with specialization and Minor degree for UG Degree Programme Under R-2019
BoS/ECE18.3.3	:	To confirm the minutes of the 26th Standing Committee Meeting held on 22.08.2022. (Enclosed in <i>Annexure II</i>)
		Resolved to confirm the minutes of the 26th Standing Committee Meeting held on 22.08.2022.
BoS/ECE 18.4	:	ANY OTHER MATTER
	:	As per Anna University's instruction, the elective course "Professional readiness for innovation, employability, and entrepreneurship" has been implemented in the seventh semester. This elective course may be shifted to the sixth semester.
BoS/ECE 18.5	:	SUGGESTIONS GIVEN BY THE BOS MEMBERS
18.5.1	:	➤ In the "19EC71E – Web Application Development" elective course under Regulation 2019, equal weightage (marks) may be given to the practical content, and one of the evaluators for the practical content may be an expert from the industry.
18.5.2	:	<ul style="list-style-type: none"> ➤ In Vertical 1 – VLSI (under Regulation 2019) proposed in the 18th BoS meeting, the course titled "Hardware Modelling using Verilog HDL", may be changed to an integrated course (Theory + Lab). ➤ The program Elective course "19EC37E – Fundamentals of Semiconductor Chip Testing" may be included in VLSI Vertical. ➤ An introduction to the DFT tools may be included in the course titled "Design for Testability (DFT)."
18.5.3	:	➤ In Vertical 2 – Signal Processing proposed in the 18 th BoS meeting, the experts suggested to revise the vertical name as

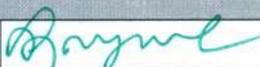
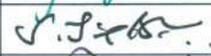
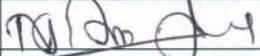
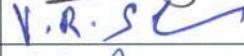
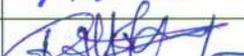
		<p>"Signal Processing and its Applications."</p> <ul style="list-style-type: none"> ➤ Experts suggested that three courses related to the applications of signal processing in Communication may be included in this vertical.
18.5.4	:	<ul style="list-style-type: none"> ➤ In Vertical 3 – Cyber Security proposed in the 18th BoS meeting, Experts suggested to do the following modifications in the Cyber Crime investigations and Digital forensics Course: <ol style="list-style-type: none"> 1. Few topics are redundant in Unit 1 and Unit 2 and it may be removed from one unit. 2. The textbooks given for each course may be updated to the latest version.
18.5.5	:	<p>In the 2019 curriculum, 19EC81C-Project work II (6 credits) was approved in the previous BoS meeting.</p> <p>In the 18th BoS meeting, the proposal was placed before the BoS members to replace Project Work II as Project Work II/Industry Practice. The BoS members approved this proposal with the following suggestions.</p> <ul style="list-style-type: none"> ➤ For industry practice, a report by the student approved by an industry mentor or certificate from the industry stating that the student has done industry practice in the respective industry part of the placement. ➤ The periodical and end-semester assessment for industry practice may be done with one examiner from academia and another from the industry. This assessment may be in online mode. ➤ The Project work II assessment, the practice followed in regulation 2019 be continued.

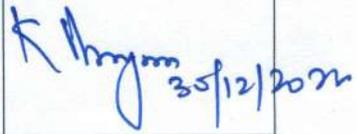
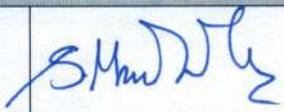
The members had a brainstorming discussion and interaction among themselves. Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

1. Additional Elective courses, One credit courses for UG degree programmes under R-2019
2. Verticals for awarding Honours, Honours with specialization and Minor degree
3. To confirm the minutes of the 26th Standing Committee Meeting held on 22.08.2022
4. Any other matter.

Dr.V.Suresh, Associate Professor / ECE thanked all the members for their kind cooperation and the meeting came to an end.

Members Present :

Chairman		Signature
1.	Dr. A. Shenbagavalli Professor & Head, Department of ECE, National Engineering College, Kovilpatti.	
Internal Members		
2.	Dr.S.Shanmugavel, Director	
3.	Dr. S.TamilSelvi, Professor	
4.	Dr. T.S. Arun Samuel, Professor	
5.	Dr. V.R.S.Mani, Asso. Prof (SG)	
6.	Dr.N.Arumugam, Asso. Prof	
7.	Dr.V.Suresh, Asso. Prof	
8.	Dr. K.J.Prasanna Venkatesan, Asso. Prof	
9.	Dr. T. Vijay Anandh, Asst. Prof (SG)	
10.	Dr. A. Saravana Selvan, Asst. Prof (SG)	
11.	Mr. S. Cammillus, Asst. Prof(SG)	
12.	Mr. K.Subramanian, Asst. Prof (SG)	
13.	Mr. V. Arun Janarthanan, Adjunct faculty	
Academic Expert nominated by Anna University, Chennai		
14.	Dr. R.A. Alaguraja Associate professor, Department of ECE ,Thiagarajar College of Engineering, Madurai - 625 015.	

Academic Experts		
15.	Dr.K.Murugan, Professor, Ramanujan Computing Centre, College of Engineering, Anna University, Chennai - 600025.	 30/12/2020
16.	Dr.R.Pandeeswari, Associate Professor, Department of ECE, NIT Trichy - 620015.	- AB -
Meritorious Alumnus		
17.	Dr.KluttoMilleth, Chief Technologist, Centre of Excellence in Wireless Technology, IIT Madras Research Park, Chennai - 600113.	
Industrial Experts		
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Special Invitee		
20.	Mrs.MehalaBalasundaram, Sr.Technical Writer II Synopsys, Bangalore - 560016.	
Student Members		
21.	Ms.G.Mithra Sri, III Year ECE	G. Mithraasri
22.	Mr.S.K.Ganapathy, III Year ECE	S. K. Ganapathy


CHAIRMAN
BOARD OF STUDIES

Annexure - I

Minutes of 17th BoS Meeting - Action Taken Report

S.No	Suggestion given by expert members	Action taken
1.	In the "Blockchain and Applications" elective course under R2019 regulation, the practical sessions can be included and this course may be defined as an Integrated course (Theory + Lab).	Implemented
2.	The elective course "Professional readiness for innovation, employability and entrepreneurship" is introduced by Anna University to all affiliated colleges.	Implemented