

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

15th Board of studies Meeting in the Department of
Electronics and Communication Engineering

Google Online Meet Link: <https://meet.google.com/pxf-segf-fza>

Date & Time: 26.06.2021 & 04.00 PM

AGENDA

ECE/BoS15.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Electronics and Communication Engineering
ECE/BoS15.2	:	Confirmation of the Minutes and action taken report of the 14 th meeting of Board of studies in the Department of Electronics and Communication Engineering held on 16 th December2020.
ECE/BoS15.3	:	Business brought forward by the Chairman, Board of studies 15.3.1. Elective courses for UG degree programme under R-2019. 15.3.2. Onecredit courses for UG degree programme under R-2019
ECE /BoS15.4	:	Any other items
ECE /BoS15.5	:	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

28th June, 2021

Dear Sir/Madam,

Sub: *Minutes of the 15th Meeting of the Board of studies in Electronics and Communication Engineering - Reg.*

The 15th Meeting of Board of studies of the Electronics and Communication Engineering of the National Engineering College, K.R.Nagar, Kovilpatti – 628 503 was conducted on 26th June, 2021 at 04.00PM in the conference hall of National Engineering college through google meet. Thanks for the presents and valuable suggestions. The minutes of the meeting is attached herewith.

It is requested to comments on the minutes, if any, may please be sent by email to hodeceug@nec.edu.in or by post, at the earliest. If no comments are received, within ten days, the minutes shall be taken as confirmed.

Thanking You,

Yours Sincerely


(Dr.A.Shenbagavalli)

Department of Electronics and Communication Engineering

MINUTES 15th Meeting of the Board of studies held on
26th June, 2021 at 04.00 PM

Google meet Link: <https://meet.google.com/pxf-segf-fza>

Department of Electronics and Communication Engineering

MINUTES OF THE MEETING

The 15th Meeting of the Board of studies of the Electronics and Communication Engineering was held on 26th June, 2021 at 04.00 PM in the Google online meet of the National Engineering College, K.R.Nagar, Kovilpatti– 628503.

1. The following members were present:

1.	Dr.A.Shenbagavalli Professor & Head	Chairman
2.	Dr. S.Shunmugavel, Senior Prof, Director	Internal Members
3.	Dr. S.Tamilselvi, Professor	
4.	Dr.V.Vijayarangan, Professor	
5.	Dr. V.R.S.Mani, Asso. Prof (SG)	
6.	Mr.N.Arumugam, Asso Prof	
7.	Dr.V.Suresh, Asso. Prof	
8.	Dr. T.S.Arun Samuel, Asso. Prof	
9.	Dr. T.Vijayanandh, Asst. Prof (SG)	
10.	Dr. K.J.Prasanna Venkatesan, Asst. Prof (SG)	
11.	Mr. A.Saravana Selvan, Asst. Prof (SG)	
12.	Mr. S.Cammillus, Asst. Prof (SG)	
13.	Mrs. R.Manjula Devi, Asst. Prof (SG)	
14.	Mr. C.Balamurugan, Asst. Prof (SG)	
15.	Mr. K.Subramanian, Asst. Prof (SG)	
16.	Mr. M.Satheesh Kumar, Asst. Prof (SG)	
17.	Mr. M.Sathish Kumar, Asst. Prof	
18.	Mr. B.Ganapathyram, Asst. Prof	
19.	Dr. M. Meenakshi, Professor, Department of ECE, College of Engineering, Guindy Campus, Chennai.	
20.	Dr.M.Ganesh Madhan, Professor, Department of ECE, Madras Institute of Technology, Chennai.	

21.	Mr.Srivatsan Srinivasan Chief Architect Cognizant, USA	Alumni Member
22.	Dr.R.Pandeeswari Associate Professor Department of ECE NIT, Trichy.	
23.	Mr.S.Vijay bharat Associate Vice President Mistral Solutions Pvt Ltd Bangalore	Industrial Experts
24.	Mr.K.A.Irshadh Abdul Rasheed Associate Partner Cyber Security Ernst And Young LLP Chennai	
25.	Mr. A. Gowrisankar Senior Manager- SI CALIBER INTERCONNECT SOLUTIONS Coimbatore.	Special Invitee
26.	Mr.Senthil Kumar Damodaran Director- ATE Testing CALIBER INTERCONNECT SOLUTIONS Coimbatore	
27.	Ms. T. Deepika, Third Year ECE	Student Members
28.	Ms.M. Shenbagaramya, Third Year ECE	

The Industry Expert Member Mr.Srivatsan Srinivasan, Chief Architect, Cognizant Technologies, USA could not attend the meeting due to his prior commitments and unavoidable reasons and was granted leave of absence.

BoS/ECE15.1 : WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Chairman, BoS of the Electronics and Communication Engineering welcomed and introduced the members of 15th Board of Studies.

BoS/ECE 15.2 : TO CONFIRM THE MINUTES OF FOURTEENTH BOS MEETING HELD ON 26TH DECEMBER 2020.

The minutes of the fourteenth Board of Studies meeting held on 26TH December 2020 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 14th Academic council.

➤ Action Taken Report

(Enclosed in Annexure I)

BoS/ECE15.3.1 : Approval for Remaining Elective Courses for UG Degree Programme Under R-2019

Resolved to approve the remaining elective courses for UG Degree Programme Under R-2019.

BoS/ECE15.3.2 : Approval for One-Credit Courses for UG Degree Programme Under R-2019.

Resolved to approve the One-Credit Courses for UG Degree Programme Under R-2019.

BoS/ECE 15.5 : SUGGESTIONS GIVEN BY THE BOS MEMBERS

15.5.1 : In the course 19EC35E Nano electronics, it is recommended to change the title of unit 5 (FET based Biosensors) to “Nano Electronic Sensors and Applications”

15.5.2 : In the course 19EC36E Advanced Microprocessors under R-2019 it is recommended to modify the distribution of handling hours to be even. It is also suggested to include recent processors in addition to ARM CORTEX. Unit 5 may be reduced, and multicore processor may be

included.

- 15.5.3 : It is recommended to add more content related to ATE, types of ATE testers in the elective course 19EC37E Fundamentals of Chip testing under R-2019. Also, it is suggested to add revised books in reference.
- 15.5.4 : It is suggested to compare the elective course 19EC38E-ARM Processor architecture and Program under R-2019 with Advanced Microprocessor 19EC36E under R-2019 and the redundant/overlapping topics may be removed.
- 15.5.5 : The word “Component” may be removed from the title of the course 19EC39E - Embedded Linux System components.
- 15.5.6 : Title of the Unit 4 in the course 19EC45EBio-Medical Electronics may be modified with respect to the content included.
- 15.5.7 : In elective course 19EC46E - Power electronics under R-2019, unit 3 and unit 4 may be combined. It is also recommended to include heat sink design and power supply design in the course content.
- 15.5.8 : It is recommended to change the title of the course 19EC47E- High Speed Electronics under R-2019 as High Frequency Electronics. Applications with examples may be included in unit 1.
- 15.5.9 : In the course 19EC63E Machine Learning Techniques, applications may be included in the course content.
- 15.5.10 : Syllabus contents of the course 19EC01N Basics of Communication Systems has to be reduced. Basics of wireless communication may be included in unit 4 and 5. It is suggested to include this course as Professional Elective in EEE department.
- 15.5.11 : The topics on EMI/EMC, radar sensing may be introduced in the course 19EC06NAutomotiveElectronics under R-2019.
- 15.5.12 : In the course 19EC08N ARM Processor and Programming, title of the units may be modified properly.
- 15.5.13 : In the course 19EC09N Fundamental of DSP, it is suggested to include applications of DSP and unit 5 may be replaced with DSP multi rate/ Digital signal processors.
- 15.5.14 : It is recommended to change the unit titles of the course 19OE08Embedded and Real Time Systems as follows
Unit 1 - Introduction to embedded system. (Introduction to Embedded Computing)

Unit 2 – Real time peripherals (Peripheral Interfacing)

Unit 5 – UCOS-III Architecture (Task Management and Memory Management with UCOS - III)

15.5.15 : It is suggested to check the sequence of experiments and include isolator and circulator in the course 19EC17L Computational Electromagnetics Lab under R2019

15.5.16 : It is recommended to include Log Analytics, attacks, Security incidents in the course 19EC09L Network Traffic Analysis using Wireshark under R2019

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. Elective courses for UG degree programme under R-2019
2. One credit courses for UG degree programme under R-2019

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

Members Present Online:

1.	Dr. A. Shenbagavalli Professor & Head, Department of Electronics and Communication Engg	Board Chairman
2.	Dr. M.Ganesh Madhan Professor, Dept. of ECE, Madras Institute of Technology campus, Anna University, Chennai – 600044.	Academic Experts
3.	Dr.M.Meenakshi Professor, Dept. of ECE, College of Engineering, Guindy Campus, Chennai - 600025	
4.	Dr.R.Pandeeswari Associate Professor Department of ECE NIT, Trichy.	Alumni Member
5.	Mr.S.Vijay Bharat Associate Vice President Mistral Solutions Pvt Ltd Bangalore	Industrial Experts

6.	Mr.K.A.Irshadh Abdul Rasheed Associate Partner Cyber Security Ernst And Young LLP, Chennai	
7.	Mr. A. Gowrisankar Senior Manager- SI CALIBER INTERCONNECT SOLUTIONS Coimbatore	Special Invitee
8.	Mr.Senthil Kumar Damodaran Director- ATE Testing CALIBER INTERCONNECT SOLUTIONS Coimbatore	
9.	Dr. S.Shunmugavel, Senior Prof, Director	Internal Members
10.	Dr. S.Tamilselvi, Professor	
11.	Dr.V.Vijayarangan, Professor	
12.	Dr. V.R.S.Mani, Asso. Prof (SG)	
13.	Mr.N.Arumugam, Asso Prof	
14.	Dr.V.Suresh, Asso. Prof	
15.	Dr. T.S.Arun Samuel, Asso. Prof	
16.	Dr. T.Vijayanandh, Asst. Prof (SG)	
17.	Dr. K.J. Prasanna Venkatesan, Asst. Prof (SG)	
18.	Mr. A.Saravana Selvan, Asst. Prof (SG)	
19.	Mr. S.Cammillus, Asst. Prof (SG)	
20.	Mrs. R.Manjula Devi, Asst. Prof (SG)	
21.	Mr. C.Balamurugan, Asst. Prof (SG)	
22.	Mr. K.Subramanian, Asst. Prof (SG)	
23.	Mr. M.Satheesh Kumar, Asst. Prof (SG)	
24.	Mr. M.Sathish Kumar, Asst. Prof	
25.	Mr. B.Ganapathyram, Asst. Prof	
26.	Ms. T. Deepika, Third Year ECE	
27.	Ms.M. Shenbagaramya, Third Year ECE	


CHAIRMAN

BOARD OF STUDIES