



**NANDHA ENGINEERING COLLEGE,
ERODE – 638 052**

**(An Autonomous Institution, Affiliated to Anna University Chennai and
Approved by AICTE New Delhi)**

11th BOARD OF STUDIES MEETING MINUTES

Name of the Body	Board of Studies
Name of the Board	Electronics and Communication Engineering
Meeting No	11
Date & Time	28.04.2023, 10.00 am
Venue	Board Room



NANDHA ENGINEERING COLLEGE, ERODE – 638 052

(An Autonomous Institution, Affiliated to Anna University Chennai and
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Minutes of 11th Board of Studies Meeting (BoS) held on 28.04.2023

The 11th Board of Studies (BoS) meeting was held on 28.04.2023 at 10 AM in Board Room, Nandha Engineering College. The items listed below were taken for discussion.

BoS-11		Date:28.04.2023
Board: Electronics and Communication Engineering		Mode of meeting: Offline
AGENDA		
Item 11.01	Welcome Address and Introduction to members	
Item 11.02	Review of the 10 th BoS meeting minutes and Action Taken Report.	
Item 11.03	Review of the PAC and DAB meeting minutes and Action Taken Report.	
Item 11.04	Review of Institute Vision and Mission.	
Item 11.05	Review of Department Vision, Mission, PEOs and PSOs.	
Item 11.06	Review of Curriculum (R22) for UG-ECE program.	
Item 11.07	Review of R22 ratification for 1 st and 2 nd semesters.	
Item 11.08	Review of 3 rd and 4 th semester syllabi for B.E- ECE and service programs with CO-PO/PSO mapping	
Item 11.09	Review of inclusion of Honor and Minor courses in R17.	
Item 11.10	Review of one credit courses.	
Item 11.11	Review of Panel of Examiners.	
Item 11.12	Any other matter.	

The proceedings of BoS started and the minutes of the meeting are recorded as follows:

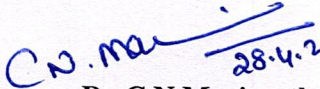
Item 11.01	Welcome Address and Introduction to members
Discussion	The Chairman of the BoS, Dr.C.N.Marimuthu, Professor & Dean, Electronics and Communication Engineering welcomed the members for the meeting.
Item 11.02	Review of the 10th BoS meeting minutes and Action Taken Report.
Discussion	Reviewed and approved the Action taken Report of 10 th BOS Meeting minutes.
Item 11.03	Review of the PAC and DAB meeting minutes and Action Taken Report.
Discussion	Reviewed and approved the Action taken Report of PAC and DAB meeting minutes.
Item 11.04	Review of Institute Vision and Mission.
Discussion	Reviewed and approved the Institute Vision and Mission.
Item 11.05	Review of Department Vision, Mission, PEOs and PSOs.
Discussion	Reviewed and approved the Department Vision, Mission, PEOs and PSOs.
Item 11.06	Review of Curriculum (R22) for UG-ECE program.
Discussion	<ul style="list-style-type: none"> All the expert members are recommended to include Control systems as a core subject in R22 curriculum.
Item 11.07	Review of R22 ratification for 1st and 2nd semesters.
Discussion	<p><u>I Semester</u></p> <ul style="list-style-type: none"> The credits for the course “Calculus and Linear Algebra (22MYB01)” are changed from 3 to 4. As per Anna University guidelines, a Tamil course, “தமிழர்மரபு / Heritage of Tamils (22GYA01)” is included as 1 credit course. The credit for the course “Chemistry Lab (22CYP01)” is changed from 2 to 1. The name of the course “Sports and Yoga - I” is changed to “Yoga-I”. <p><u>II Semester</u></p> <ul style="list-style-type: none"> The name of the course “Complex Analysis and Laplace Transforms” is changed to “Transforms and Partial Differential Equations (22MYBXX)” and credits are changed from 3 to 4. As per Anna University guidelines, a Tamil course, “தமிழரும் தொழில்நுட்பமும் / Tamils and Technology (22GYA02)” is included as 1 credit course. The programming course (Theory and Lab) offered by CSE department is to be changed and approved by the CSE BOS and it will be included in our curriculum and syllabi. The credit for the course “Physics Lab (22PYP01)” is changed from 2 to 1. The name of the course “Sports and Yoga - II” is changed to “Yoga-II”.
Resolution	Resolved to approve the changes.
Item 11.08	Review of 3rd and 4th semester syllabi for B.E- ECE and service programs with CO-PO/PSO mapping
Discussion	<p><u>22ECXXX – Digital Logic Design</u></p> <ul style="list-style-type: none"> Dr.P.Palanisamy suggested to include the tabular method in Unit I.

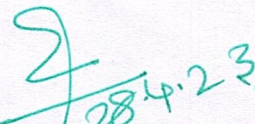
	<p><u>22ECXXX – Signals and Systems</u></p> <ul style="list-style-type: none"> • Dr.K.Hariharan asked to add Calculus and Linear Algebra and Transforms and Partial Differential Equations as perquisites. • Dr.P.Palanisamy suggested to include system analysis in Unit II and also he informed to add the book “Signals and Systems” by Simon S Haykin as references. <p><u>22ECXXX – Analog Electronics</u></p> <ul style="list-style-type: none"> • Dr.M.Nesasudha recommended to incorporate R_E model in Unit II. • Dr.K.Hariharan asked to include the book, “Electronic Devices and Circuits” by S. Salivahanan and N. Suresh Kumar as references and “Electronic Devices and Circuit Theory”, by Robert L. Boylestad and Louis Nashelsky as text book. <p><u>22ECXXX – Digital Logic Design Lab</u></p> <ul style="list-style-type: none"> • Dr.K.Hariharan suggested to add test bench code at least for any two programs and also recommended to write coding in UVM. <p><u>22ECXXX – Analog Electronics Lab</u></p> <ul style="list-style-type: none"> • Dr.P.Palanisamy asked to include FET based experiments. • Dr.M.Nesasudha suggested to incorporate P- Sim Software to analyze the circuits. <p><u>22ECXXX – Analog Circuit Design</u></p> <ul style="list-style-type: none"> • Dr.P.Palanisamy informed to add Differential Amplifier after summing amplifier in Unit II and also he suggested to remove the topics of Video Amplifier, Opto-couplers and Fibre optic IC in Unit V. • Dr.M.Nesasudha recommended to add Introduction to switched capacitive filter in Unit II. Also she suggested to include the book, “Linear integrated circuits” by Roy Chowdry as text book. <p><u>22ECXXX – Digital Signal Processing</u></p> <p>Dr.P.Palanisamy gave the following suggestions for the subject:</p> <ul style="list-style-type: none"> • Include DTFT and its properties as the first topic in Unit I. • Add cascade and parallel form of Realization in Unit III and mention Chebyshev filter type as Type-I. • Change Unit V title as Multirate signal processing and suggested to add the topics related to it. <p><u>22ECXXX – Communication Systems</u></p> <ul style="list-style-type: none"> • All the expert members suggested to change the title of a course “Communication Systems” as “Analog and Digital Communication” and asked to include super heterodyne receiver. • Dr.K.Hariharan recommended to reduce contents related to Analog Communication and add more topics related to Digital Communication. • Dr.P.Palanisamy suggested to add some basic coding techniques. <p><u>22ECXXX – Digital Principles and Computer Organization</u></p> <ul style="list-style-type: none"> • Dr.K.Hariharan recommended to remove interconnection standards in Unit V.
Resolution	Resolved to implement the changes as much as possible towards the benefit of the students.
Item 11.09	Review of inclusion of Honor and Minor degree in R17.
Discussion	<ul style="list-style-type: none"> • Minor Degree courses under Semiconductor Technologies <ul style="list-style-type: none"> Fundamentals of Semiconductor Devices Semiconductor devices and circuits Semiconductor Device Modelling and Simulation

	Basic Electronics Semiconductor Optoelectronics Basics of Microelectronics An introduction to Electronic system Packaging System on a chip Design <ul style="list-style-type: none">Honors Degree for 2021 batch will be awarded to the students who earn additional 18 credits from the provided PSE.												
Resolution	Resolved to approve.												
Item 11.10	Review of one credit courses.												
Discussion	<ul style="list-style-type: none">The following one credit courses were conducted during odd sem 2022-23. <table><tr><th>SEM</th><th>Course Conducted</th><th>No. of Students Appeared</th><th>No. of Students Cleared</th></tr><tr><td>3</td><td>17ECI01- PCB Design</td><td>97 students</td><td>97 students</td></tr><tr><td>5</td><td>17ECI08- Mobile Phone Servicing and Troubleshooting</td><td>116 students</td><td>116 students</td></tr></table>	SEM	Course Conducted	No. of Students Appeared	No. of Students Cleared	3	17ECI01- PCB Design	97 students	97 students	5	17ECI08- Mobile Phone Servicing and Troubleshooting	116 students	116 students
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Resolution	Resolved to approve.												
Item 11.11	Review of Panel of Examiners.												
Discussion	Reviewed and approved.												
Item 11.12	Any other matter.												
Discussion	<ul style="list-style-type: none">Dr.N.Rengarajan, Principal asked all the expert members to share the information and procedures to be followed to implement the National Education Policy 2020.												

Dr.S.Kavitha, Professor and Head/ECE thanked all the members for their active participation and valid suggestions towards the improvement of curriculum.

Date: 28.04.2023.


 Dr.C.N.Marimuthu
 (Chairman, BoS / Prof. & Dean /ECE)


 Principal



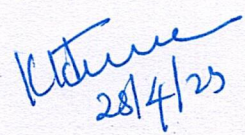
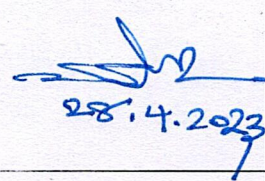
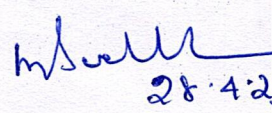

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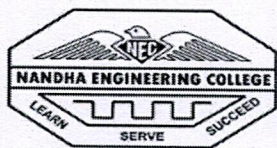
BOARD OF STUDIES

Academic Year: 2022-23

Board	Electronics and Communication Engineering	Meeting No.	11	R22
Venue	Board Room	Date & Time	28.04.2023 & 10.30 AM	

BOS MEMBERS ATTENDANCE

Sl.No	Members	Representation	Signature
1	Dr.K.Hariharan, Professor, Department of ECE, Thiyagarajar College of Engineering, Madurai-625015. Ph: 9942584251 Email:khh@tce.edu	University Nominee	 28/4/23
2	Dr.P.Palanisamy, Professor, Dept. of ECE, National Institute of technology, Trichy-15. Email:palan@nitt.edu Mobile No:9486001111	Expert Nominee (Nominated by Academic Council)	 28.4.2023
3	Dr.M.Nesasudha, Professor, Dept. of ECE, Karunya Institute of technology and Sciences, Coimbatore-641 114 Email:nesasudha@karunya.edu Mobile No:9443010445	Expert Nominee (Nominated by Academic Council)	 28.4.23
4	Dr.S.Paramasivam, Director R&D G-22, SIPCOT Industrial Park, Pennalur Post, Sriperumbudur Taluk. ESAB India Ltd, Kanchipuram DT -602105 Email:param.s@esab.co.in Mobile No : 9840105091	Member (Expert from Industry)	Absent
5	Dr.A.Karthika, Assistant Professor, Dept. of ECE, SNS College of Technology, Coimbatore - 641 107. Email:akarthikakdm@gmail.com Mobile No:8344336576	Alumini	



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BOARD OF STUDIES

6	Dr. C.N.Marimuthu, Dean	Chairman	C.N. Marimuthu
7	Dr.N.Rengarajan, Principal	Member	N. Rengarajan
8	Dr.Kavitha.S, Dean	Member	S. Kavitha
9	Dr. Murugasami R, ASP / ECE	Member	M. Murugasami R
10	Dr.D.Arulanantham, ASP/ECE	Member	D. Arulanantham
11	Ms.Dhaarani T.G,AP / ECE	Member	T.G. Dhaarani
12	Mr.Jayachandran T, AP/ECE	Member	T. Jayachandran
13	Ms.Kokila P, AP/ECE	Member	P. Kokila
14	Mr.Rathanasabhapathy G, AP/ECE	Member	G. Rathanasabhapathy
15	Ms.Brindha S, AP/ECE	Member	S. Brindha

C.N. Marimuthu

BOS 11 PHOTOS

