

Department of Electrical and Electronics Engineering

MINUTES 19th Meeting of the Board of studies held on
30th June 2023 at 10.00 AM

Venue: Computer Centre, Dept of EEE, National Engineering College

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

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

www.nec.edu.in

Department of Electrical and Electronics Engineering

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19th Board of studies Meeting in the Department of Electrical and Electronics Engineering

Venue: Computer Centre, Dept of EEE, National Engineering College

Date & Time:30.06.2023&10.00 AM

AGENDA

BoS / EEE 19.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the Department of Electrical and Electronics Engineering	
BoS / EEE 19.2	:	Confirmation of the Minutes of the 18 th meeting of Board of Studies in the Department of Electrical and Electronics Engineering held on 27.12.2022 and Action Taken report of 18 th meeting of Board of studies.	
BoS / EEE 19.3	:	Business brought forward by the Chairman, Board of studies	
		19.3.1	Continuos improvement in Curriculum design
		19.3.2	To consider and approve the Curricula of B.E. EEE under R 2023
		19.3.3	To consider and approve the syllabi of I Year B.E. EEE under R 2023
		19.3.4	To consider and approve the Curricula of M.E. HVE under R 2023
		19.3.5	To consider and approve the syllabi of I year M.E. HVE under R 2023
BoS/EEE 19.4		Any other Agenda brought forward by the Chairperson.	
BoS / EEE 19.5	:	Suggestions given by the BoS Members	

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F. No. 1-1/NEC/EEE.

30th June, 2023

Dear Sir/Madam,

Sub: Minutes of the 19th Meeting of the Board of studies in the EEE-Reg.

Kindly find attached herewith the Minutes of the 19th Meeting of Board of studies of the Electrical and Electronics Engineering of the National Engineering College, K.R.Nagar, Kovilpatti – 628503 held on 30th June, 2023 at 10.00 AM in Computer Centre, Dept of EEE National Engineering college.

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

Yours Sincerely


Dr.M.WilljuiceIruthayarajan

Dr. M. WILLJUICE IRUTHAYARAJAN, ME., Ph.D.
Professor & Head
Department of Electrical & Electronics Engg.
National Engineering College
Kovilpatti - 628 503

Department of Electrical and Electronics Engineering

MINUTES OF THE MEETING

The 19th Meeting of the Board of studies of the Electrical and Electronics Engineering was held on 30th June, 2023 at 10.00 AM in National Engineering College,

Venue: Computer Centre, Dept of EEE, National Engineering College

The following members were present:

1.	Dr.M.WilljuiceIruthayarajan Professor and Head/ EEE	Chairman
2.	Dr.L.Kalaivani Professor/ EEE	Internal Members
3.	Dr.R.V.Maheswari Professor/ EEE	
4.	Dr.N.B.Prakash Professor / EEE	
5.	Dr.S.Sankarakumar Assistant Professor(S.G) / EEE	
6.	Mr.J.Thangaraj Assistant Professor / EEE	
7.	Dr. R.Francis, Associate Professor/EEE, Government College of Engineering, Bargur.	University Nominee
8.	Dr.P.S.Manoharan, Professor, Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu.	Academic Experts
9.	Dr. Rajesh Joseph Abraham Associate Professor, Department of Avionics, Indian Institute of Space Science and Technology, Valiamala P.O., Thiruvananthapuram, Kerala.	

10.	Dr. Santosh Kumar Annadurai GE T&D Ltd., GIS R&D Centre, Unit R&D Head, Padappai, Chennai.	Industrial Experts
11.	Mr.Muthu Senthilkumar Sr.Lead Engineer, Mahindra & Mahindra Limited, Chennai.	
12.	Mr.V.Karthikeyan Associate Director, Tessolve Semiconductor Private Limited, Bangalore.	
13.	Mr. Ramesh Senior Technical Engineer, Hardware Design and Development Data Patterns India Pvt. Ltd., Chennai.	
14.	Mr.R.Pandiyarajan, Project Lead, Mistral Solutions Private Limited, Bangalore	
15.	Mr.Ragupathy Ramachandran, Senior product Manager, ESAB India Limited, Chennai.	Meritorious Alumnus
16.	S. Ragul, Final Year/EEE	Student Members
17.	R. Vaishnavi, Pre Final Year/EEE	

BoS / EEE 19.1	:	WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
	:	The Chairman, BOS of the Electrical and Electronics Engineering welcomed and introduced the members of 19 th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / EEE 19.2	:	TO CONFIRM THE MINUTES OF EIGHTEENTH BOS MEETING HELD ON 27 th DECEMBER 2022.

	<p>The minutes of the Eighteenth Board of Studies meeting held on 27th December 2022 were communicated to the members vide letter No. F. No. 1-1/NEC/EEE, Dated 27.12.2022.</p> <p>The comments received have been incorporated and placed for confirmation. The same was approved by the 18th Academic council.</p> <p style="text-align: center;"><u>Action Taken Report</u> (Enclosed in Annexure I)</p>
BoS / EEE 19.3.1	: TO CONFIRM AND APPROVE CURRICULA OF B.E. EEE UNDER R 2023
	RESOLVED TO approve the curricula of B.E. EEE under R 2023
BoS/EEE 19.3.2	: TO CONFIRM AND APPROVE THE SYLLABI OF I SEMESTER B.E. EEE UNDER R 2023
	RESOLVED TO approve the syllabi of I semester B.E. EEE under R 2023
BoS/EEE 19.3.3	: TO CONFIRM AND APPROVE THE CURRICULA OF M.E. HVE UNDER R 2023
	RESOLVED TO approve the Curricula of M.E. HVE under R 2023
BoS/EEE 19.3.4	: TO CONFIRM AND APPROVE THE SYLLABI OF I YEAR M.E. HVE UNDER R 2023
	RESOLVED TO approve the syllabi of I year M.E. HVE under R 2023
BoS/EEE 19.4	: ANY OTHER ITEMS, IF ANY, WITH THE PERMISSION OF THE CHAIRMAN OF THE BOS
	The BoS members insisted the BoS EEE chairman to setting up guest lectures for students with industry experts in several fields, once a week to improve the multidisciplinary knowledge of current technological trends.

BoS/EEE 19.5	: SUGGESTIONS GIVEN BY THE BOS MEMBERS
	B.E-EEE
19.5.1	: One of the Academic expert have a discussion about how the syllabus of chemistry curriculum relevant to electrical and electronics engineering students as well as how much it will help students in other fields.
19.5.2	: The members suggested providing “Product, Patent and Literature Review”, course as individual work for students rather than group work to encourage individual effort on their part.
19.5.3	: In the course “Product, Patent and Literature Review”, the tile may be modified as “Product, Intellectual property Rights and Literature Review”.
19.5.4	: The ITLP Course title, “Microprocessor and Microcontroller” may be changed as “Microprocessor, Microcontroller and its applications”.
19.5.5	: The ITP Course title, “Protection and Switchgear” may be changed as “Power system Protection and Switchgear”.
19.5.6	: In the ITLP Course title, “Circuit Theory” may be changed as “Electric Circuit Analysis” and the laboratory practice may include voltage, current along with power calculation experiments.
19.5.7	: In the course, “Engineering Practice Laboratory” (Part B), characteristics of Diode and Transistor must be included.
19.5.8	: The members suggest to include the text book, “Electrical wiring, estimating and costing”, Uppal, S. L. and Laroia, J. M. (1997), 5th edition. Delhi: Khanna Publishers in Engineering Practice Laboratory (Part B).

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the Curriculum and Syllabi. Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

Dr.N.B.Prakash, Professor/EEE thanked all the members for their kind cooperation and the meeting came to an end.

Members Present

CHAIRMAN		
1.	Dr.M.WilljuiceIruthayarajan Professor and Head/ EEE	<i>W. Willjuice</i> 30/06/2023
INTERNAL MEMBERS		
2.	Dr.L.Kalaivani Professor/ EEE	<i>L. Kalaivani</i> 30/6/23
3.	Dr.R.V.Maheswari Professor/ EEE	<i>R.V. Maheswari</i> 30/6/23
4.	Dr.N.B.Prakash Professor / EEE	<i>N.B. Prakash</i> 30/6/23
5.	Dr.S.Sankarakumar Assistant Professor(S.G) / EEE	<i>S. Sankarakumar</i> 30/6/23.
6.	Mr.J.Thangaraj Assistant Professor / EEE	<i>J. Thangaraj</i> 30/06/23
UNIVERSITY NOMINEE		
7.	Dr. R.Francis, Associate Professor/EEE, Government College of Engineering, Bargur.	<i>R. Francis</i> 30/6/23
ACADEMIC EXPERT		
8.	Dr.P.S.Manoharan, Professor, Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu.	<i>P. S. Manoharan</i> 30/06/2023
9.	Dr. Rajesh Joseph Abraham Associate Professor, Department of Avionics, Indian Institute of Space Science and Technology, Valiamala P.O., Thiruvananthapuram, Kerala.	<i>Rajesh Joseph Abraham</i> 30.06.2023

INDUSTRIAL EXPERT		
10.	Dr. Santosh Kumar Annadurai GE T&D Ltd., GIS R&D Centre, Unit R&D Head, Padappai, Chennai.	<i>Santosh</i> 30/6/23
11.	Mr.Muthu Senthilkumar Sr.Lead Engineer, Mahindra & Mahindra Limited, Chennai.	<i>Muthu</i> 30/6/23
12.	Mr.V.Karthikeyan Associate Director - Test Engineering, Tessolve Semiconductor Private Limited, Bangalore.	<i>V.Karthikeyan</i> 30/06
13.	Mr. Ramesh Senior Technical Engineer, <i>Manager - Technology</i> Hardware Design and Development Data Patterns India Pvt. Ltd., Chennai.	<i>Ramesh</i>
14.	Mr.R.Pandiya Rajan, Project Lead, Mistral Solutions Private Limited, Bangalore	<i>R.Pandya</i>
MERITORIOUS ALUMNUS		
15.	Mr.Ragupathy Ramachandran, Senior product Manager, ESAB India Limited, Chennai.	<i>R.Ragupathy</i>
STUDENT MEMBER		
16.	S. Ragul, Final Year/EEE	<i>Ragul.S.</i>
17.	R. Vaishnavi, Pre Final Year/EEE	<i>R.Vaishnavi</i>

M. Willjuice
30/06/2023
EEE Board Chairman

Dr. M. WILLJUICE IRUTHAYARAJAN, ME., PH.D.
Professor & Head
Department of Electrical & Electronics Engineering
National Engineering College
Kovilpatti - 628 503