

Department of Electrical and Electronics Engineering

MINUTES 14th Meeting of the Board of Studies held on
29th December 2020 at 10.30 AM

Meeting Mode: Through online (GoogleMeet)

Google Meet Link: <https://meet.google.com/gra-wzcf-ieee>

Department of Electrical and Electronics Engineering

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

14th Board of Studies Meeting in the Department of Electrical and Electronics Engineering

Meeting Mode: Through online (GoogleMeet)

Google Meet Link: <https://meet.google.com/qra-wzcf-iee>

Date & Time: 29.12.2020 & 10.30 AM

AGENDA

- BoS / EEE 14.1 : Welcome address and Opening Remarks by Chairman, Board of studies in the Department of Electrical and Electronics Engineering
- BoS / EEE 14.2 : Confirmation of the Minutes of the 13th meeting of Board of Studies in the Department of Electrical and Electronics Engineering held on 27th May 2020, and Action Taken report of 13th meeting of Board of studies
- BoS / EEE 14.3 : Business brought forward by the Chairman, Board of studies
- 14.3.1 Remaining Core courses for UG degree programmes under R-2019
- 14.3.2 Open elective and One credit courses for UG degree programmes under R-2019
- 14.3.3 Redefining the comprehensive courses to test the employability skills
- BoS / EEE 14.4 : Incorporating Innovation Skill related courses like design thinking leading to completion of projects, presented by Dr.I.Sankar, Chief Coordinator, NEC NewGen IEDC.
- BoS / EEE 14.5 : NEC Innovation and Startup Policy (NEC-ISP) 2020 will be presented by Mr.B.Ganapathy Ram, Technical Lead (Hardware: IOT), NEC Business Incubator Cell.
- BoS / EEE 14.6 : Any other items
- BoS / EEE 14.7 : Suggestions given by the BoS Members

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

29th December, 2020

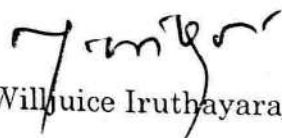
Dear Sir/Madam,

Sub: Minutes of the 14th Meeting of the Board of studies in the EEE-Reg.

Kindly find attached herewith the Minutes of the 14th Meeting of Board of studies of the Electrical and Electronics Engineering of the National Engineering College, K.R.Nagar, Kovilpatti – 628 503 held on 29th December, 2020 at 10.30 AM in the Conference Hall of National Engineering college, through GoogleMeet. Hard copy of the Minutes is also being sent to you by speed post.

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. With Kind Regards,

Yours Sincerely


Dr.M.Willjuice Iruthayarajan

Department of Electrical and Electronics Engineering

MINUTES OF THE MEETING

The 14th Meeting of the Board of studies of the Electrical and Electronics Engineering was held on 29th December, 2020 at 10.30 AM in the Conference Hall of National Engineering college, through GoogleMeet.

The following members were present:

1.	Dr.M.Willjuice Iruthayarajan Professor and Head/ EEE	Chairman
2.	Dr.L.Kalaivani Professor/ EEE	Internal Members
3.	Dr.R.V.Maheswari Professor/ EEE	
4.	Dr.M.Ravindran Associate Professor (S.G) / EEE	
5.	Dr.N.B.Prakash Associate Professor / EEE	
6.	Dr.G.Kannayeram Assistant Professor(S.G) / EEE	
7.	Dr.M.P.E.Rajamani Assistant Professor (S.G) / EEE	Academic Expert
8.	Dr. V. Suresh Kumar, Professor, Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu.	
9.	Dr. Rajesh Joseph Abraham Associate Professor, Department of Avionics, Indian Institute of Space Science and Technology, Valiamala P.O., Thiruvananthapuram, Kerala.	University Nominee
10.	Dr. S. Usa, Professor, Department of Electrical and Electronics Engineering, CEG Campus, Anna University, Chennai.	

11.	Dr. S. Paramasivam, R&D Head, Electrical Drives, Danfoss Industries Ltd., Chennai	Industrial Expert
12.	Dr. Santosh Kumar Annadurai GE T&D Ltd., GIS R&D Centre, Unit R&D Head, Padappai, Chennai.	
13.	Dr. Hariram Satheesh, Principal Scientist, ABB Global Industries and Services Ltd, Bangalore.	
14.	Mr. M. Ramesh Senior Technical Engineer, Hardware Design and Development, Data Patterns India Pvt. Ltd., Chennai.	
15.	Dr.V. Sankaranarayanan, Professor & Head, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirapalli.	Special Invittee
16.	Mr. S. Joseph Francis, Final Year / EEE	Student Members
17.	Ms. H. Selvadevi, Final Year / EEE	

The Industrial Expert Mr.S.Subramanian, Senior Maintenance Engineering (I), Kudankulam Nuclear Power Project, Kudankulam, and Mr. R. Jayakumar, Assistant Vice President Wipro Technology Ltd., Bangalore could not attend the meeting due to their prior commitments and unavoidable reasons and were granted leave of absence.

BoS / EEE 14.1	:	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 14 th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / EEE 14.2	:	TO CONFIRM THE MINUTES OF THIRTEENTH BOS MEETING HELD ON 27 th May 2020
		The minutes of the Thirteenth Board of Studies meeting held on 27 th May 2020 were communicated to the members vide letter No. F. No. 1-1/NEC/EEE, Dated 27.05.2020.

The comments received have been incorporated and placed for confirmation. The same was approved by the 13th Academic council.

Action Taken Report
(Enclosed in Annexure I)

BoS / EEE 14.3.1 : TO CONFIRM AND APPROVE THE SYLLABUS OF PROGRAMME CORE COURSES COURSES FOR UG (B.E. – EEE) PROGRAMME UNDER R-2019

RESOLVED TO approve the syllabus of programme core courses for UG (B.E. – EEE) PROGRAMME under R-2019.

Bos/EEE 14.3.2 : TO CONFIRM AND APPROVE THE SYLLABUS OF OPEN ELECTIVE AND ONE CREDIT COURSES FOR UG (B.E. – EEE) PROGRAMME UNDER R-2019

RESOLVED TO approve the syllabus of open elective and one credit courses for UG (B.E. – EEE) PROGRAMME under R-2019.

Bos/EEE 14.3.3 : TO CONFIRM AND APPROVE THE SYLLABUS OF THE COMPREHENSION COURSES TO TEST THE EMPLOYABILITY SKILLS FOR UG (B.E. – EEE) PROGRAMME UNDER R-2019

RESOLVED TO approve the syllabus of comprehension for UG (B.E. – EEE) PROGRAMME under R-2019

Bos/EEE 14.4 : TO CONFIRM AND APPROVE THE SYLLABUS OF THE DESIGN THINKING COURSES TO INCORPORATE THE INNOVATION SKILL LEADING TO COMPLETION OF PROJECTS FOR UG (B.E. – EEE) PROGRAMME UNDER R-2019.


RESOLVED TO approve the syllabus of design thinking course for UG (B.E. – EEE) PROGRAMME under R-2019

Bos/EEE 14.5	:	TO CONFIRM AND APPROVE THE NEC INNOVATION AND STARTUP POLICY (NECISP) 2020.
		RESOLVED TO approve the NEC innovation and startup policy (NECISP) 2020.
Bos/EEE 14.6	:	ANY OTHER ITEMS, IF ANY, WITH THE PERMISSION OF THE CHAIRMAN OF THE BOS
14.6.1	:	Interdisciplinary projects may be allowed among students within the scope to to create a powerful learning experience and emphasize integrative learning, critical thinking, and creative problem solving.
14.6.2	:	Students may be encouraged to do NPTEL/MOOC Courses for credit transfer as per the regulation.
14.6.3	:	Tamil Nadu Electric Vehicle Policy 2019 may be included as a content, while framing Electric Vehicle syllabus ^f as per the Guidelines from AICTE and Government of Tamil Nadu.
14.6.4	:	The necessity for Design thinking course is appreciated by the committee and the implementation of the course may be considered for fourth or fifth semester.
14.6.5	:	The committee has discussed the Proposed NEC Innovation and startup policy 2020, and approved the same for the benefit for the students welfare.
Bos/EEE 14.7	:	SUGGESTIONS GIVEN BY THE BOS MEMBERS
14.7.1	:	In the course Power Systems-II, the topic SCADA and wide area monitoring system may be included.
14.7.2	:	In the course Switchgear and Protection, the topic integration of SCADA along with wide area monitoring system may be included.
14.7.3	:	The title of the course " Protection and Switchgear Laboratory" may be renamed as " Switchgear and Protection Laboratory"
14.7.4	:	The one credit courses "Computational Fluid Dynamics" and

		"Electrical Stress Analysis", may be given as 3 credit programme elective courses with additional contents.
14.7.5	:	In the one credit course "Digital substation", the contents GOOSE, Substation communication and protocol, may be removed.
14.7.6	:	The course related to network and communication may be given as one credit course.

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, Associate Professor /EEE thanked all the members for their kind cooperation and the meeting came to an end.


CHAIRMAN
BOARD OF STUDIES

Annexture – I

Action Taken on Suggestions from 13th BOS Meeting

Suggestions	Action Taken
The BoS chairman proposed to conduct Project Work viva voce examinations for final year UG (B.E. – EEE) & PG (M.E – HVE) through online mode as per the recommendations of Anna University, Chennai.	The Project Work viva voce examinations have been conducted through online mode.
For the one credit elective course “15EE18L PCB Design and Fabrication”, it is proposed to consider as practical course with ‘L T P C’ as ‘0 0 2 1’ with total of 30 periods. Hence it is further propose to conduct End Semester Examination as practical examination.	It is approved as practical course.
In the course “Instrumentation Practices in Industries”, the title may be changed to “Quality Practices for Safety Critical Instrumentation System” and suggested to include standards and calibration of measuring instruments in the syllabus.	Corrections are incorporated in the curriculum and syllabus
BOS members suggested that relaxations may be given to rural area students who are lagging in internet facilities regarding online learning management systems.	Attendance relaxation upto 2 days has been given for the rural area students, keeping network facilities in mind.
BOS members insisted to make proof for every lectures, assessments conducted through online during lockdown period.	All the lectures are recorded and they have been posted in moodle. Verified the same in academic audit.
BOS members insisted that conduction of End Semester examination through online mode may be avoided.	End Semester examination has been conducted through online mode but under the supervision of proctors allotted (Each proctor with 20 students). The students have been supervised under audio and video by the proctor.
The effort taken by faculty for their own video lectures, conducting assessments for the courses is appreciated by the external members.	Thanks for the compliments.


 EEE Board Chairman

14th BOARD OF STUDIES MEETING – DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ON 29.12.2020

The screenshot shows a Google Meet window in a browser. The address bar displays the URL: <https://meet.google.com/qra-wzcf-ieee?authuser=0&hl=en>. The meeting title is "BOS meeting- EEE - 29.12.2020".

At the top of the meeting interface, there is a status bar with the following elements from left to right: a red "REC" button, a "You are presenting" notification with a small profile picture, a group of profile pictures labeled "Haram Satheesh and 8 more", a "10:40 AM" clock, and a "Presentation (You)" indicator with a small profile picture.

The main content area is a dark grey rectangle with a light blue square containing an upward-pointing arrow. Below the arrow, the text reads "You're presenting to everyone". At the bottom of this rectangle is a light blue button labeled "Stop presenting".

On the right side of the screen, there is a circular video thumbnail of a man with a beard, labeled "Bakruthen M".

At the bottom of the meeting interface, there is a row of icons for various meeting controls: "Meeting det...", a lock icon, a microphone icon, a red phone icon, a "Raise hand" icon, a "Turn on captions" icon, and an "Activate Windows" watermark that says "Go to Settings to activate Windows. You are presenting".

The Windows taskbar is visible at the very bottom, showing the search bar with "Type here to search", the system tray with a timer at "00:48", and the date and time "10:02 AM 12/30/2020".

BOS meeting- EEE - 29.12.2020

https://meet.google.com/qra-wzcf-ieee?authuser=0&hl=en

REC You are presenting

You're presenting to everyone

Stop presenting

Meeting details

People (19) Chat

Add people Host controls

IN CALL

- Bakruthen M (You) ... 🔔
- Bakruthen M Your presentation: 🔔
- Dr. Rajesh Joseph Abra... 🔔
- Hariram Satheesh 🔔
- hod eee 🔔
- Joseph Francis.S eee20... 🔔
- kalaivani eee 🔔

You muted Usa Savadamuthu for everyone in the call

Raise hand Turn on captions You are present

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10:08 AM 12/30/2020

BOS meeting- EEE - 29.12.2020

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REC You are presenting

You're presenting to everyone

Stop presenting

Meeting details

People (19) Chat

- Prakash N.B
- r.v. Maheswari
- Ramesh M
- Sankar narayanan
- Santosh Kumar
- Sathishkumar .M
- Selvadevi.H eee2017
- Shunmugalakshmi EEE
- Usa Savadamuthu
- VSK

Bakrutheen M

You muted param sathya for everyone in the call

Raise hand Turn on captions You are present

00:54 10:40 AM 12/29/2020

10:10 AM 12/30/2020