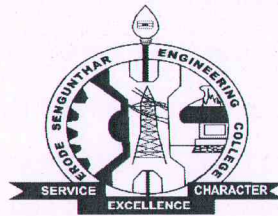


# **ERODE SENGUNTHAR ENGINEERING COLLEGE**

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

**PERUNDURAI, ERODE - 638 057**



**Department of Electrical and Electronics Engineering**

**6<sup>th</sup> BOARD OF STUDIES MEETING**

**24<sup>th</sup> May 2023 @ 02.00 p.m.**

**ZOOM ONLINE MEET**

**<https://us06web.zoom.us/j/84596601039?pwd=bXROaXArWGVPODM4bllDdk1HSTRqZz09>**



# ERODE SENGUNTHAR ENGINEERING COLLEGE

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

PERUNDURAI, ERODE - 638057



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### MINUTES OF 6<sup>th</sup> BOARD OF STUDIES MEETING

Name of the Department	: Electrical and Electronics Engineering
Name of the Board	: Electrical and Electronics Engineering
Programmes	: BE-Electrical and Electronics Engineering ME-Power Electronics and Drives
Date, Time & Mode	: 24.05.2023 - 02.00 PM & ONLINE
Zoom Link	: <a href="https://us06web.zoom.us/j/84596601039?pwd=bXROaXAraGVVPODM4bllDdk1HSTRqZz09">https://us06web.zoom.us/j/84596601039?pwd=bXROaXAraGVVPODM4bllDdk1HSTRqZz09</a>
Meeting Number	: 06

#### AGENDA OF THE MEETING

BoS /EEE 6.1	: Welcoming new Board of Studies members and opening remarks by the Chairman, Board of Studies, Department of Electrical and Electronics Engineering.
BoS /EEE 6.2	: Confirmation of the Minutes of 05 <sup>th</sup> Board of Studies Meeting and Action taken report of 05 <sup>th</sup> Board of Studies meeting.
BoS /EEE 6.3	: Approval of curriculum for the B.E. Electrical and Electronics Engineering programme offered under Regulations 2023.
BoS /EEE 6.4	: Approval of syllabus belongs to first and second semester for the B.E. Electrical and Electronics Engineering programme offered under Regulations 2023.
BoS /EEE 6.5	: Approval of curriculum for the M.E. Power Electronics and Drives programme offered under Regulations 2023.
BoS /EEE 6.6	: Approval of syllabus belongs to first and second semester for the M.E. Power Electronics and Drives programme offered under Regulations 2023.
BoS /EEE 6.7	: Confirmation and Approval of Verticals for awarding Honors, Honors With Specialization and Minor Degree - B.E. Electrical and Electronics Engineering in Regulations 2019 for students admitted in the Academic Year 2021-22 onwards as per the direction of Anna University (Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022)
BoS /EEE 6.8	: Any other items



The following members were present

Sl. No.	Name & Designation	Category
1	<b>Dr. P. Selvan</b> Professor and Head, Department of Electrical and Electronics Engineering, Erode Sengunthar Engineering College, Perundurai.	<b>Chairman</b>
2	<b>Dr.S.Geetha</b> Associate Professor, Department of Electrical and Electronics Engineering, Coimbatore Institute of Technology, Coimbatore.	<b>University Nominee</b>
3	<b>Dr.N.P.Subramaniam</b> Associate Professor, Department of Electrical and Electronics Engineering, Puducherry Technological University, Puducherry.	External Experts (Academic)
4	<b>Dr. M. Arun</b> Professor/ Embedded Technology, School of Electronics Engineering, Vellore Institute of Technology, Vellore	
5	<b>Dr.S.R.Sivarasu</b> BEE Certified Energy Auditor(EA-27299) Managing Partner, Ram Kalam - Centre for Energy Consultancy and Training, Coimbatore	Representative from Industry/ Corporate sector
6	<b>Er. Vijay Anandan,</b> Research and Development Engineer – AI, Samsung Electro Mechanics, Bengaluru	Alumnus
7	Dr. M. Shyamalagowri, Associate Professor	Internal Members
8	Dr. R. Muthukumar, Associate Professor	
9	Dr.R.Kannan, Associate Professor	
10	Dr.S.Karthick, Assistant Professor	
11	Dr.L.Anbarsu, Assistant Professor	
12	Dr.A.Johny Renoald, Assistant Professor	
13	E.Immanuel bright, Assistant Professor	
14	S.Tamilselvi, Assistant Professor	
15	N.Jothipriya, Assistant Professor	
16	K.Indirajith, Assistant Professor	

BoS /EEE 6.1	<p>Welcoming new Board of Studies members and opening remarks by the Chairman, Board of Studies, Department of Electrical and Electronics Engineering.</p> <p><b>Discussion</b></p> <p>The Chairman of the Board of Studies welcomed all the members to the meeting for discussing proposed BE – Electrical and Electronics Engineering and ME – Power Electronics and Drives curriculum of all semesters and syllabus of I &amp; II semesters under the Regulations 2023. The members presented in the Board of Studies Meeting are given in Annexure I.</p>
BoS /EEE 6.2	<p>Confirmation of the Minutes of 05<sup>th</sup> Board of Studies Meeting and Action taken report of 05<sup>th</sup> Board of Studies meeting.</p> <p><b>Discussion</b></p> <p>The Chairman presented the Minutes of 5<sup>th</sup> Board of Studies Meeting which was held on 16.07.2022 and action taken report of the same.</p> <p><b>Resolution</b></p> <p>It is resolved to recommend the Minutes of 5<sup>th</sup> Board of Studies Meeting and action taken report of the same is submitted to the Academic Council for approval.</p>
	<p>Approval of curriculum for the B.E. Electrical and Electronics Engineering programme offered under Regulations 2023.</p> <p><b>Discussion</b></p> <p><b>Dr. S. Geetha</b>, Associate Professor/EEE/CIT/Coimbatore, enquired about the evaluation methods of course internship. The Chairman explained the procedure related to internship evaluation as per the Regulations 2023.</p> <p>Also she suggested for updating the Text Books and Reference Books with latest edition and suggested to include web resources. The</p>



BoS /EEE 6.3

**Dr.N.P.Subramaniam**, Associate Professor/EEE/Pondicherry Technological University, Puducherry suggested updating the Text Books and Reference Books with latest edition. The Chairman agreed to update the same.

**Dr.M.Arun**, Professor/ Embedded Technologies, School of Electronics Engineering, Vellore Institute of Technology, Vellore, suggested including Computer and Information Technology courses specifically Artificial Intelligence and Machine Learning in the curriculum. The Chairman explained that these subjects are in the Computer Science and Engineering Department as open electives.

In addition, he enquired about delivery method for the course “Tamil Heritage & Tamils and Technologies course” for different State students and NRI students. The Chairman replied that, the faculty who are interested in Tamil Literature and who take part in Tamil Mandram activities are handling these subjects for the students knows very well in speaking and writing in Tamil, for others the same courses (English version) is handled by English department faculty with the inputs and direction of the course coordinator.

He also asked about the limitation for the number of vertical courses in the curriculum. The Chairman replied that the vertical courses are limited to 6 categories as per Regulations 2023. The BoS members approved the same.

**Er. Vijay Anandan**, Research and Development Engineer – AI, Samsung Electro Mechanics, Bengaluru, suggested to include AI based Laboratory course in the curriculum. The Chairman replied that, it will be considered in the forthcoming years, if possible.

#### **Resolution**

It is resolved to recommend the curriculum for the B.E. Electrical and Electronics Engineering programme under Regulations 2023 and the

BoS /EEE 6.4	<p>Approval of syllabus belongs to first and second semester for the B.E. Electrical and Electronics Engineering programme offered under Regulations 2023.</p> <p><b>Discussion</b></p> <p>The Chairman, presented syllabus belongs to first and second semester for the B.E. Electrical and Electronics Engineering programme offered under Regulations 2023. The BoS members approved the same.</p> <p><b>Dr.S.Geetha</b>, suggested for including simulation-oriented experiments in the course 23ES218/Electronic Devices and Circuits Laboratory. The Chairman agreed to include the same.</p> <table border="1" data-bbox="555 831 1458 994"> <thead> <tr> <th>S.No.</th> <th>Course Code/Name</th> <th>Recommendations</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>23ES218/Electronic Devices and Circuits Laboratory</td> <td>Simulation oriented experiments may be included</td> </tr> </tbody> </table> <p><b>Resolution</b></p> <p>It is resolved to recommend the BE – EEE syllabus under Regulations 2023 to the Academic Council for Approval.</p>	S.No.	Course Code/Name	Recommendations	1	23ES218/Electronic Devices and Circuits Laboratory	Simulation oriented experiments may be included
S.No.	Course Code/Name	Recommendations					
1	23ES218/Electronic Devices and Circuits Laboratory	Simulation oriented experiments may be included					
BoS /EEE 6.5	<p>Approval of curriculum for the M.E. Power Electronics and Drives programme offered under Regulations 2023.</p> <p><b>Discussion</b></p> <p>The Chairman presented the curriculum of all semesters for the M.E. Power Electronics and Drives programme to be offered under Regulation 2023. The BoS members approved the same.</p> <p><b>Resolution</b></p> <p>It is resolved to recommend the M.E. Power Electronics and Drives programme under Regulations 2023 to the Academic Council for Approval.</p>						



BoS /EEE 6.6

Approval of syllabus belongs to first and second semester for the M.E. Power Electronics and Drives programme offered under Regulations 2023.

**Discussion**

**Dr.S.Geetha** asked about the repetition of FPGA contents in the syllabus of the courses “**23PEX09 Modern Industrial Drives**” and “**23PEX11 FPGA Controller of Power Electronic Systems**”. The Chairman clarified that, these two courses are coming under Professional Elective III, students can chose any one course as their elective.

Also she suggested to add ARM Processor content in the course 23PEX01/Embedded Control of Electrical Drives. The Chairman agreed to include the same.

**Dr.N.P.Subramaniam**, suggested to add MATLAB simulink experiments in the course 23PE205/Electrical Drives Laboratory. The Chairman agreed to include the same.

S.No.	Course Code/Name	Recommendations
1	23PEX01/Embedded Control of Electrical Drives	Content of ARM Processor may be included
2	23PE205/Electrical Drives Laboratory	MATLAB simulink experiments may be included

**Resolution**

It is resolved to recommend the ME – Power Electronics and Drives syllabus under Regulation 2023 to the Academic Council for Approval.


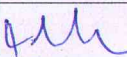
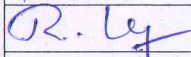

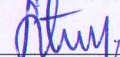
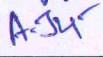

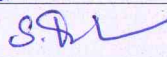
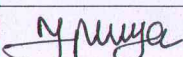
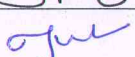
<p>BoS /EEE 6.7</p>	<p>Confirmation and Approval of Verticals for awarding Honors, Honors With Specialization and Minor Degree - B.E. Electrical and Electronics Engineering in Regulations 2019 for students admitted in the Academic Year 2021-22 onwards as per the direction of Anna University (Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022)</p> <p><b>Discussion</b></p> <p>The Chairman presented the Verticals for awarding Honors, Honors with Specialization and Minor Degree - B.E. Electrical and Electronics Engineering in Regulations 2019 for students admitted in the Academic Year 2021-22 onwards as per the direction of Anna University. The BoS members approved the same.</p> <p><b>Resolution</b></p> <p>It is resolved to recommend Verticals for awarding Honors, Honors with specialization and Minor degree - B.E. Electrical and Electronics Engineering in Regulations 2019 for students admitted in the Academic Year 2021-22 onwards as per the direction of Anna University to the Academic Council for Approval.</p>
<p>BoS /EEE 6.8</p>	<p>Any other items</p> <p><b>Common points suggested by the members as concluding remark</b></p> <p>Suggested to update the text and reference book with latest edition and include on-line resources.</p> <p>The Chairman of Board of Studies agreed and assured to incorporate the changes suggested by the members wherever possible.</p> <p>The Chairman of Board of Studies thanked all the members for their valuable suggestions and coordination.</p>

  
**Chairman**  
**BoS-EEE**



## ANNEXURE – I

The following members presented in the Board of Studies Meeting

Sl. No.	Name & Designation	Category	Signature
1	<b>Dr. P. Selvan</b> Professor and Head, Department of Electrical and Electronics Engineering, Erode Sengunthar Engineering College, Perundurai.	<b>Chairman</b>	
2	<b>Dr.S.Geetha</b> Associate Professor, Department of Electrical and Electronics Engineering, Coimbatore Institute of Technology, Coimbatore.	<b>University Nominee</b>	ON-LINE
3	<b>Dr.N.P.Subramaniam</b> Associate Professor, Department of Electrical and Electronics Engineering, Puducherry Technological University, Puducherry.	External Experts (Academic)	
4	<b>Dr. M. Arun</b> Professor/ Embedded Technology, School of Electronics Engineering, Vellore Institute of Technology, Vellore		
5	<b>Dr.S.R.Sivarasu</b> BEE Certified Energy Auditor(EA-27299) Managing Partner, Ram Kalam - Centre for Energy Consultancy and Training, Coimbatore	Representative from Industry/ Corporate sector	
6	<b>Er. Vijay Anandan,</b> Research and Development Engineer – AI, Samsung Electro Mechanics, Bengaluru	Alumnus	
7	Dr. M. Shyamalagowri, Associate Professor	Internal Members	
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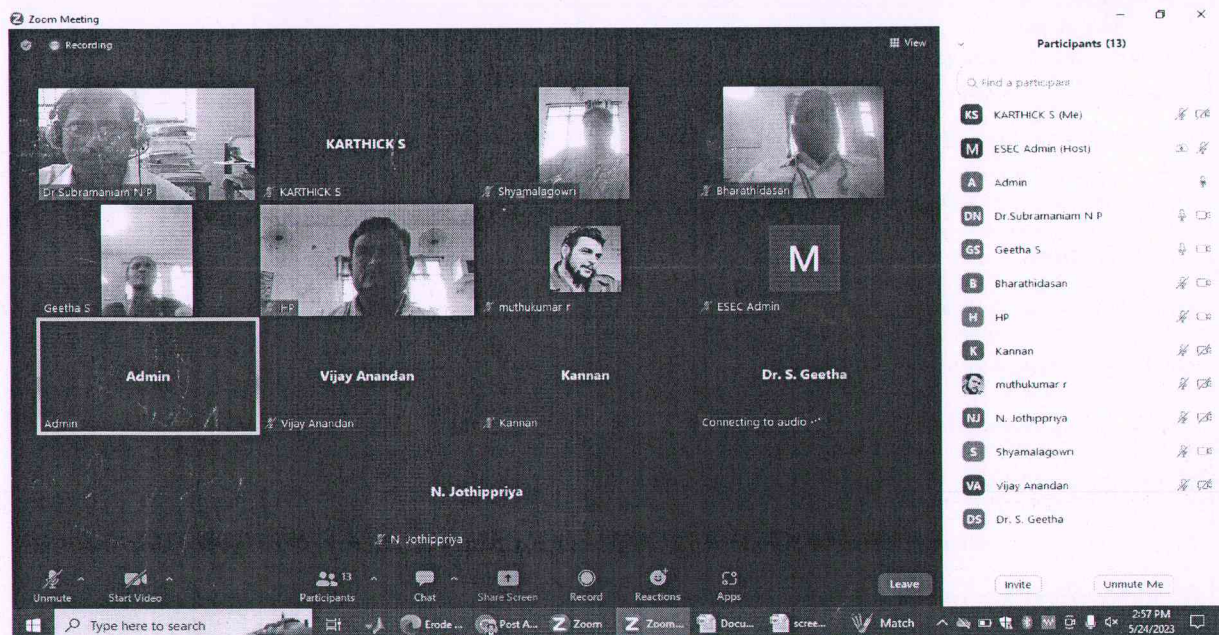
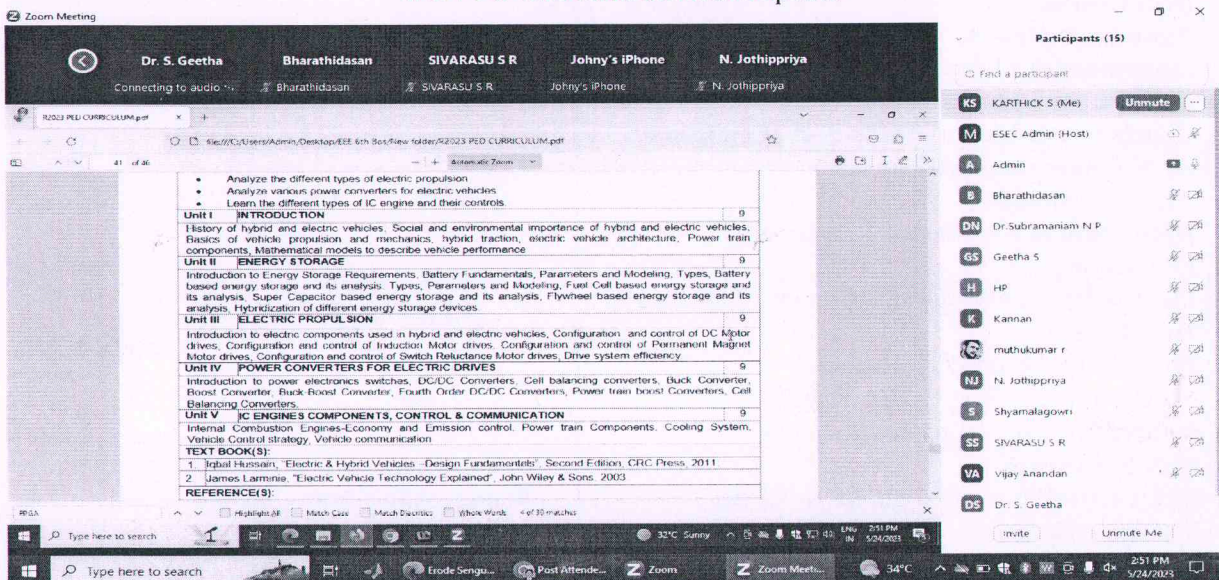


## ANNEXURE – II

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### Screen shots of 06<sup>th</sup> Board of Studies Meeting

Name of the Department : Electrical and Electronics Engineering  
 Name of the Board : Electrical and Electronics Engineering  
 Date, Time & Mode : 24.05.2023 - 02.00 PM & ONLINE  
 Zoom Link : <https://us06web.zoom.us/j/84596601039?pwd=bXROaXARWGVPQDM4blllDdk1HSTRqZz09>



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