



EXCEL ENGINEERING COLLEGE (Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (AERO,CSE,ECE,MECH), NAAC with "A+" and Recognised by UGC (2f &12B)

KOMARAPALAYAM – 637303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FOURTH BOARD OF STUDIES

IMAGE OF THE MEETING



IV Board of Studies Meeting- Department of Electrical and Electronics Engineering



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KOMARAPALAYAM - 637303

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

FOURTH BOARD OF STUDIES

MINUTES OF MEETING

Meeting No : EEC/BOS/IV
Date : 13.12.2023
Time : 11.00 AM
Venue : New Seminar Hall

Agenda:

- B.EE.4.1** To discuss and pass the syllabus of Third year VI Semester to B.E Electrical and Electronics Engineering programme for the students admitted from the academic year 2020 – 21 onwards under Regulation 2020.
- B.EE.4.2** To discuss and pass the syllabi of Minor Degree programme in Electric Vehicles for the students admitted from the academic year 2021 – 22 onwards under Regulation 2020 / V2.
- B.EE.4.3** To discuss and pass the curriculum of B.E Electrical and Electronics Engineering for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
- B.EE.4.4** To discuss and pass the syllabus of First year II Semester to B.E Electrical and Electronics Engineering programme for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
- B.EE.4.5** To discuss and pass the second year IV Semester syllabus of M.E Power Electronics & Drives and M.E Embedded System Technologies for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022.
- B.EE.4.6** Any other matters.

Resolutions

B.EE.R.4.1 Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the syllabi of core courses of VI semester B.E. Electrical & Electronics Engineering programme under Regulation 2020 with the following changes.

Semester - VI

RECOMMENDATION	RESOLUTION
B.EE.4.1.1 Dr.R.K.Pongiannan suggested that books can be incorporated with latest edition for all the subjects.	B.EE.R.4.1.1 As per the suggestion latest edition books will be incorporated for all the subjects.
B.EE.4.1.2 Dr.R.K.Pongiannan has suggested to interchange the Text books and Reference books for "20EE602 – Solid State Drives" in VI semester.	B.EE.R.4.1.2 In "20EE602 - Solid State Drives" in VI semester are interchanged In the syllabus
B.EE.4.1.3 Dr.Y.Thiyagarajan has recommended to include Electric vehicles controller Experiments in "20EE605 – Green Energy Laboratory".	B.EE.R.4.1.3 As per suggestion the changes can be made.

B.EE.R.4.2 Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the syllabi of Minor Degree of B.E. Electrical & Electronics Engineering programme with the following changes.

RECOMMENDATION	RESOLUTION
B.EE.4.2.1 Dr.P.Vanaja Ranjan has suggested to include AUTOSAR compliants in 20EEM03 - Testing of Electric Vehicles.	B.EE.R.4.2.1 AUTOSAR compliants is included in 20EEM03 - Testing of Electric Vehicles syllabus as per the suggestion.
B.EE.4.2.2 Dr.P.Vanaja Ranjan has recommended to include vehicle to vehicle, IoT for vehicle topics in 20EEM04 - Control of Electric Vehicles.	B.EE.R.4.2.2 As per the suggestion the topics was included in the 20EEM04 - Control of Electric Vehicles syllabi.

B.EE.R.4.3 Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the curriculum of the R-2023 for B.E. Electrical & Electronics Engineering programme with the following changes.

RECOMMENDATION	RESOLUTION
<p>B.EE.4.3.1 Dr.P.Vanaja Ranjan has suggested to include Virtual Instrumentation in 20EE403 - Measurement and Instrumentation Subject.</p>	<p>B.EE.R.4.3.1 The changes will be incorporated.</p>
<p>B.EE.4.3.2 Dr.R.K.Pongiannan has recommended to combine Integrated Circuits and applications & Digital Logic Circuits courses as Linear Digital Integrated Circuits.</p>	<p>B.EE.R.4.3.2 As per suggestion the changes can be made.</p>
<p>B.EE.4.3.3 Dr.R.K.Pongiannan has suggested to include Data Science course in IV semester.</p>	<p>B.EE.R.4.3.3 The changes will be incorporated.</p>
<p>B.EE.4.3.4 Mr.K.Ganesan has suggested to include Systems Applications and Products in Data Processing (SAP) as a course in any of the semester</p>	<p>B.EE.R.4.3.4 As per suggestion the course can be included in Professional Electives – Stream I</p>

B.R.EE.4.6 Any other matters

B.R.EE.4.6.1 Resolved that the following recommendations in front of the standing committee for the Academic Council to ratify the curriculum for B.Tech. Agricultural Engineering programme for R-2020.

B.R.EE.4.6.2. Resolved that the following recommendations in front of the standing committee for the Academic Council to ratify the Subject (20MEE04 - Control of Electric Drives) as Control of Electric Vehicle for B.E Electrical & Electronics Engineering programme for R-2020.

B.R.EE.4.6.3. Resolved that the following recommendations in front of the standing committee for the Academic Council to ratify the Laboratory (20EE605 - Renewable Energy Sources Laboratory) as Green Energy Laboratory for B.E Electrical & Electronics Engineering programme for R-2020


Chairman - Board of Studies


Principal



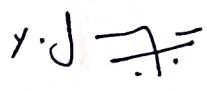

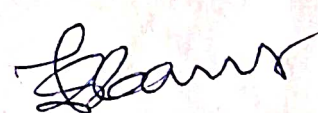

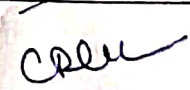
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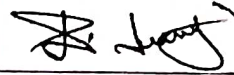
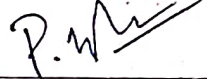
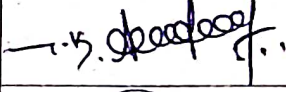
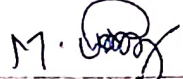

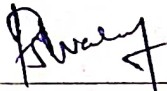

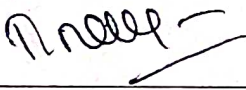
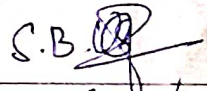
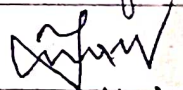
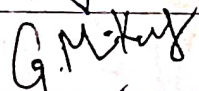

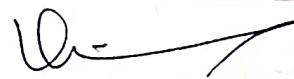
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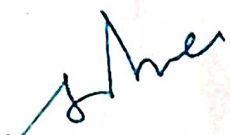
Department of Electrical and Electronics Engineering

Fourth Board of Studies Meeting

Sl.No.	Name and Affiliation	Designation	Signature
1	Dr.V.S.Arulmurugan, Professor & Head, Department of Electrical & Electronics Engineering, Excel Engineering College	Chairman	
2	Dr.K.Bommanna Raja, Principal, Excel Engineering College	Principal	
3	Dr.P.VanajaRanjan, Professor, Department of Electrical and Electronics Engineering, CEGCampus, Anna University, Chennai-600025. Email:vranjanau@yahoo.co.in Phone No: 9840168109	University Nominee	 Dr. P. VANAJA RANJAN B.E. (ECE) M.F.(C&I), MISTE., Ph.D. Professor, Electrical Engineering Dept CEG, Anna University, Chennai-25.
4	Dr.R.K.Pongiannan, Professor, Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur, Kancheepuram. Email:rkp.annan@gmail.com Phone No: 9842277975	Academic Expert	

5	Dr.Y.Thiagarajan, Associate Professor, Department of Electrical and Electronics Engineering, Christ College of Engineering and Technology, Puducherry. E-mail : thiagu2517@gmail.com Phone No: 07708257580	Academic Expert	
6	Dr.S.Paramasivam Head-R&D ESAB india Limited G-22, SIPCOT Industrial Park, Pennalur Post Sriperumbudur Taluk, Kanchipuram District-602105 Email :param.s@esab.co.in Phone No: 9840105091	Industry Expert	AB
7	Er.V.S.Elango Managing Director Alpha SwitchGear India Pvt Ltd, 27,Moolakarai Road, Nasiyanoor, Erode - 638107, Email: alfa@alfaswitchgear.com Phone No: 94863 55977	Special Invitee	
8	Mr.Prakash Viswanathan, Technical Lead, KLA India Ltd Formerly KLA-Tencor India Ltd, Chennai. Email: pmvprakash@gmail.com Phone No: 9036131410	Special Invitee	AB
9	Mr.K.Ganesan, Deputy General Manager, Electrical and Instrumentation, Mahindra Water Utilities Ltd, Tirupur. Email ID: mkganesh1@gmail.com Phone No: 9894349083.	Special Invitee	
10	Dr.S.Sankarananth Associate Professor	Member	
11	Dr.R.Gunasekaran Assistant Professor	Member	
12	Mrs.C.Rajeswari Assistant Professor	Member	C. Rajeswari

13	Dr.R.Yuvaraj Assistant Professor	Member	
13	Mr.P.Murughanandam Assistant Professor	Member	
14	Mr.M.K.Anandkumar Assistant Professor	Member	
15	Mr.M.Anandakumar Assistant Professor	Member	
16	Ms.K.S.Nanthini Assistant Professor	Member	
17	Mr.P.Selva Bharathi Assistant Professor	Member	
18	Mrs.P.Maheswari Assistant Professor	Member	
19	Mrs.T.Nandhini Priya Assistant Professor	Member	
20	Mrs.S.B.Ushabharathi Assistant Professor	Member	
21	Mr.B.Jayamanikandan Assistant Professor	Member	
22	Mr.G.Manikandan Assistant Professor	Member	
23	Mr.M.S.Vigram Assistant Professor	Member	
24	Mr.S.Manikandan Assistant Professor	Member	


Chairman - Board of Studies



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DEPARTMENT OF ELECTRICAL & ELECTRONICSENGINEERING

THIRD BOARD OF STUDIES

IMAGE OF THE MEETING

Date: 12-04-2023



III Board of Studies Meeting- Department of Electrical and Electronics Engineering



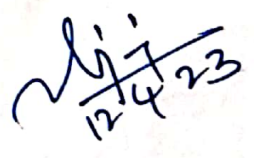
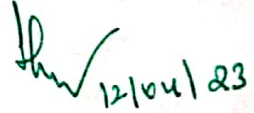

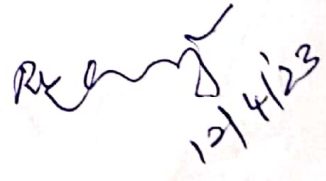
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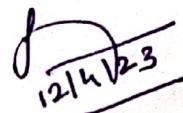

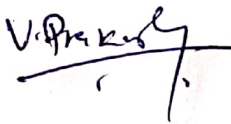
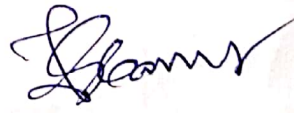
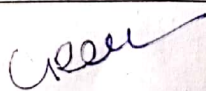
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Department of Electrical and Electronics Engineering Third Board of Studies Meeting

Members Present – 12.04.2023

Sl.No.	Name and Affiliation	Designation	Signature
1	Dr.M.R.Mohanraj, Associate Professor & Head, Department of Electrical and Electronics Engineering, Excel Engineering College	Chairman	 12/4/23
2	Dr.K.Bommanna Raja, Principal, Excel Engineering College	Principal	 12/04/23
3	Dr.P.Vanaja Ranjan, Professor and Director Centre for Faculty and Professional Development, Anna University, Chennai-600025. Email : vranjanau@yahoo.co.in Phone No: 9840168109	University Nominee	 12/4/23
4	Dr. R.K. Pongiannan, Professor, Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur, Kancheepuram. Email: rkp.annan@gmail.com Phone No: 9842277975	Academic Expert	 12/4/23

5	Dr.Y.Thiagarajan, Associate Professor, Department of Electrical and Electronics Engineering, Christ College of Engineering and Technology, Puducherry. E-mail : thiagu2517@gmail.com Phone No: 07708257580	Academic Expert	Y.  12/14/23
6	Dr.S.Paramasivam Head-R&D ESAB india Limited G-22, SIPCOT Industrial Park, Pennalur Post Sriperumbudur Taluk, Kanchipuram District-602105 Email : param.s@esab.co.in Phone No: 9840105091	Industry Expert	ABSENT
7	Er.V.S.Elango Managing Director Alpha SwitchGear India Pvt Ltd, 27,Moolakarai Road, Nasiyanoor,Erode – 638107, Email: alfa@alfaswitchgear.com Phone No: 94863 55977	Special Invitee	
8	Mr.Prakash Viswanathan, Technical Lead, KLA India Ltd Formerly KLA-Tencor India Ltd,Chennai. Email: pmvprakash@gmail.com Phone No: 9036131410	Special Invitee	V.Prakash 
9	Mr.K.Ganesan, Deputy General Manager, Electrical and Instrumentation, Mahindra Water Utilities Ltd, Tirupur. Email ID: mkganesh1@gmail.com Phone No: 9894349083.	Special Invitee	
10	Dr.V.S.Arulmurugan Professor	Member	ABSENT
11	Dr.R.Gunasekaran Assistant Professor	Member	
12	Mrs.C.Rajeswari Assistant Professor	Member	C.Raj 12/14/23

13	Mr.R.Gobu Assistant Professor	Member	R.G. 12/4/23
14	Mr.P.Murughanandam Assistant Professor	Member	P.M.
15	Mr.M.K.Anandkumar Assistant Professor	Member	M.K.
16	Mr.M.Anandakumar Assistant Professor	Member	M.A.
17	Ms.K.S.Nanthini Assistant Professor	Member	K.S.
18	Ms.K.Kavimalar Assistant Professor	Member	K.K.
19	Mrs.K.Dhana Malathi Assistant Professor	Member	K.D.
20	Mrs.S.B.Ushabharathi Assistant Professor	Member	S.B.
21	Mr.B.Jayamanikandan Assistant Professor	Member	ABSENT
22	Mr.G.Manikandan Assistant Professor	Member	G.M.
23	Mr.M.Vigram Assistant Professor	Member	ABSENT


 12/4/23
 Chairman - Board of Studies



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DEPARTMENT OF ELECTRICAL & ELECTRONICSENGINEERING

THIRD BOARD OF STUDIES

MINUTES OF MEETING

Meeting No : EEC/BOS/III

Date : 12.04.2023

Time : 02.30pm

Venue : TVR Hall

Agenda:

- B.EE.3.1** To discuss and pass the syllabus of V Semester to B.E Electrical and Electronics Engineering programme for the students admitted from the academic year 2021 – 22 onwards under Regulation 2020.
- B.EE.3.2** To discuss and pass the courses for B.E.(Honours) specialization in the same discipline and B.E.(Honours) for the students admitted from the academic year 2021-22 onwards under Regulation 2020/ V2
- B.EE.3.3** To discuss and pass the curriculum and syllabi of Minor Degree programme in Electric Vehicles for the students admitted from the academic year 2021 – 22 onwards under Regulation 2020 / V2.
- B.EE.3.4** To discuss and pass the curriculum of B.E Electrical and Electronics Engineering for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
- B.EE.3.5** To discuss and pass the first semester syllabi of B.E Electrical and Electronics Engineering for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
- B.EE.3.6** To discuss and pass the third semester syllabi of M.E Power Electronics & Drives and M.E Embedded System Technologies for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022.
- B.EE.3.7** Any other matters.

Resolutions

B.EE.R.3.1 Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the syllabi of core courses of V semester B.E. Electrical & Electronics Engineering programme with the following changes.

Semester- V

RECOMMENDATION	RESOLUTION
B.EE.3.1.1 Dr.P.Vanaja Ranjan suggested that books can be incorporated with latest edition for all the subjects.	B.EE.R.3.1.1 As per the suggestion latest edition books will be incorporated for all the subjects.
B.EE.3.1.2 Dr.Y.Thiyagarajan has suggested to check Course Outcomes for Electrical Machine Design (20EE502).	B.EE.R.3.1.2 Course outcomes will be verified for this course.
B.EE.3.1.3 Er.V.S.Elango suggested to include the IS and IEEE standards topic which will satisfy the industrial needs, in the Electrical Machine Design (20EE502)	B.EE.R.3.1.3 In “20EE502 - Electrical Machine Design” in V semester IS and IEEE standards has been included in unit-1 as per the suggestion.
B.EE.3.1.4 Dr.P.Vanaja Ranjan suggested to include the case study in unit – 4 & 5for “20EE503 -Power Electronics” in V semester	B.EE.R.3.1.4 In “20EE503 - Power Electronics” in V semester the recommended topics has been added in the syllabus.
B.EE.3.1.5 Dr.Y.Thiyagarajan has recommended to change the unit 1 name as Modelling of Mechanical System in Control Systems Engineering (20EE504).	B.EE.R.3.1.5 Unit 1 name is renamed as Modelling of Mechanical System as per the Suggestion.
B.EE.3.1.6 Dr.R.K.Pongiannan suggested to include Study of Architecture and Pheripherals in Basic Software	B.EE.R.3.1.6 In “20EE505 - Basic Software Laboratory” in V semester the recommended topic has been added in the syllabus

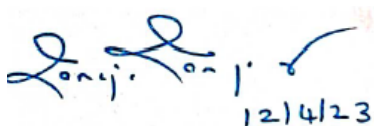
Laboratory(20EE505)	
B.EE.3.1.7 Dr.R.K.Pongiannan recommended to include Introduction of 5G networks in unit-5 in “20EEE01 - Communication Engineering” (Professional Elective)	B.EE.R.3.1.7 In “20EEE01 - Communication Engineering” in V semester the recommended topic has been included in the syllabus
B.EE.3.1.8 Dr.Prakash Viswanathan has suggested that the content in Visual languages and applications should not be generic	B.EE.R.3.1.8 As per the suggestion the content has been changed.

B.EE.R.3.3 Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the syllabi of Minor Degree of B.E. Electrical & Electronics Engineering programme with the following changes.

RECOMMENDATION	RESOLUTION
B.EE.3.3.1 Dr.P.Vanaja Ranjan has recommended to change the course name of Vehicle Dynamics and Engineering (20EEM01) to Introduction of Electric Vehicles.	B.EE.R.3.3.1 Vehicle Dynamics and Engineering (20EEM01) name is renamed as Introduction of Electric Vehicles as per the suggestion.
B.EE.3.3.2 Dr.P.Vanaja Ranjan suggested to change the content in Electric vehicles.	B.EE.R.3.3.2 As per the suggestion the content has been changed.
B.EE.3.3.3 Dr.P.Vanaja Ranjan has recommended to change the course name of Intelligent Control of Electric Drives (20EEM04) to Control of Electric Drives.	B.EE.R.3.3.3 Intelligent Control of Electric Drives (20EEM04) name is renamed as Control of Electric Drives as per the suggestion.

B.EE.R.3.4 Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the curriculum of the R-2023 for B.E. Electrical & Electronics Engineering programme with the following changes.

RECOMMENDATION	RESOLUTION
B.EE.3.4.1 Dr.R.K.Pongiannan recommended to shift the course Microprocessor and Microcontroller (23EE604) from Sixth semester to Fifth semester.	B.EE.R.3.4.1 The changes will be incorporated.
B.EE.3.4.2 Dr.P.Vanaja Ranjan suggested to change the Power Electronics for Renewable Energy Systems in VI semester with some other subject	B.EE.R.3.4.2 Instead of Power Electronics for Renewable Energy Systems, Electric Vehicle is replaced in VI semester as per the suggestion
B.EE.3.4.3 Dr.Y.Thiyagarajan recommended to change the Digital Signal Processing in VI semester with Smart Grid	B.EE.R.3.4.3 Instead of Digital Signal Processing, Smart Grid is replaced in VI semester as per the suggestion



University Nominee



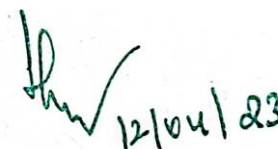
Academic Expert



Industry Expert



Chairman - Board of Studies



Principal