

JERUSALEM COLLEGE OF ENGINEERING
[An Autonomous Institution affiliated to Anna University]

05.06.2023

Minutes of the 5th meeting of Board of Studies for the Department of Electrical and Electronics Engineering held on 5th June 2023 at Jerusalem college of Engineering in Board Room at 2.00 pm.

Members present:

S.no	Name	Category
1	Dr. S. Vinod Associate Professor & HOD-EEE Jerusalem College of Engineering	Chairman
2	Dr.P. Ramesh Babu Professor, EIE Dept., Puducherry Technological University, Puducherry	Anna University nominee
3	Dr. K.Vijayakumar Prof &HOD-EEE SRM Institute of Science and Technology.	Subject expert
4	Dr.M.Prabhakar, Professor, Centre for Smart Grid Technologies, Vellore Institute of Technology, Chennai.	Subject Expert
5	Mr. Raja Ganesan G. Director, Technical operation, VATIO Energy India PVT. Ltd	Industry Representative
6	Mr.S.Harish, Senior Embedded Software Engineering, Visteon, Chennai.	Alumni
7	Dr. S.Ramakrishnan, Professor – EEE Jerusalem College of Engineering	Member
8	Dr. V. Jamuna, Professor – EEE Jerusalem College of Engineering	Member

S.no	Name	Category
9	Dr. N. Booma, Professor – EEE , Jerusalem College of Engineering	Member
10	Ms. Anuja Prashant Diwan Associate Professor-EEE Jerusalem College of Engineering	Member
11	Ms. PL. Revathy Assistant Professor-EEE Jerusalem College of Engineering	Member
12	Mr. J. Arul Prakash Assistant Professor-EEE Jerusalem College of Engineering	Member
13	Ms. S.Sivajothi kavitha Asst. Professor - EEE . Jerusalem College of Engineering	Member
14	Ms. D.Usha Asst. Professor - EEE Jerusalem College of Engineering	Member
15	Ms. S. Rudhra Assistant Professor-EEE Jerusalem College of Engineering	Member Secretary

At the outset, the Chairman welcomed the members for the 5th meeting of the Board of Studies. The Chairman highlighted the successful completion of first batch under autonomous following R2019 . The chairman informed the members that this meeting was focused on finalization of syllabi of professional electives in the form of verticals for honour and minor degree, newly designed curriculum of R2023 by considering all the suggestions given by the respected expert members.

The agenda points were discussed in detail as mentioned below:

Item No. 1 - Approval of Professional Elective list in the form of verticals for (Students admitted in the year 2021&2022) Department of Electrical and Electronics Engineering under R2021, Jerusalem college of Engineering

The syllabi of profession electives for honour and minor degree offered by the EEE department for the undergraduate students following R2021 were presented by the Chairman.

Members of BOS suggested the following points in the syllabi of professional electives:

- Subject expert Dr.M.Prabhakar suggested that Electric Vehicle Technology subject has to be included for all the other department students
- Anna university representative Dr.P.Ramesh Babu suggested to add simple subjects instead of papers such as Analysis of Power Converters and Advanced Power Converter in the Vertical (Renewable energy systems) .
- Subject Expert Dr.K.Vijayakumar suggested to specify ARM Processor version and include Raspberry Pie in Embedded systems (Vertical),.
- Alumni Mr.S.Harish suggested that in Real Time Operating Systems subject, Free RTOS software can be included and to clearly specify RTOS version and give hands on.
- In the vertical Electric Vehicle Technology , Industry expert Mr.Rajaganesan .G suggested that ,Techno Economic & Environmental Impact Analysis of Electric Vehicle may be added in unit 5 of Electric Vehicle Architecture subject.
- He also suggested that in Electric Vehicle Charging System subject, level of charging and power factor correction concepts may be added .
- Subject experts Dr.M.Prabhakar suggested to mention Standards specification, where-ever applicable.

Suggestions given by members were incorporated and the syllabi was finalized.

Item No. 2 – Ratification and Approval of PEOs and PSOs for UG Programme R2023.

The chairman presented the revised PEOs and PSOs for R2023

Item No. 3 – Approval of UG curriculum for Semester I- VIII.

The chairman presented the curriculum for B.E., (EEE) programme designed for R2023 (CHOICE BASED CREDIT SYSTEM CBCS)to be followed from academic year (2023-2024). The curriculum of each semester was discussed in detail and the summary of the number of credits allotted for each category was informed by chairman and the same was approved by the members.

Members of BOS suggested the following points in Curriculum 2023:

- Anna university representative Dr.P.Ramesh Babu suggested to include Artificial Intelligent in Electrical Engineering as core subjects.
- Subject experts Dr.M.Prabhakar suggested to integrate Dc Machines and Transformers & Synchronous and Induction Machines as one subject.
- Members of BOS suggested to include object oriented programming subject.

Suggestions given by members were incorporated and the curriculum was finalized.

Item No. 4 – Approval of Syllabi for the first year core courses

The syllabi of the technical subjects that occur in the first and second semester of R2023 were presented by the Chairman.

- **BASIC ENGINEERING**
- **BASIC ENGINEERING LABORATORY**
- **CIRCUIT THEORY**
- **ELECTRIC CIRCUITS LABORATORY**

Members of BOS suggested to split Unit 1 of Circuit Theory subject in to two units . Suggestions given by members were incorporated and the syllabi were finalized.

Item No. 5 – Approval of Curriculum and syllabi for PG (M.E.,Power Electronics and Drives) under R2023 (same as R2021).

The chairman proposed the curriculum and syllabi of R2021 will be followed for M.E., Power Electronics and Drives Programme, for students admitted in the academic year 2023-2024 under R2023. The proposal was approved by all the members.

Item No. 6 - Ratification and Approval of the revised panel of Examiners (Both Internal & External) to be forwarded to Academic Council

Members approved the revised list of internal and external examiners that was presented by the Chairman.

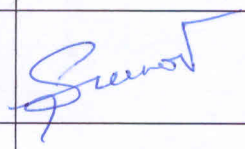
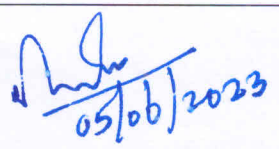
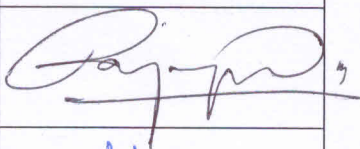
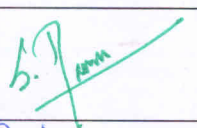
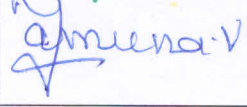
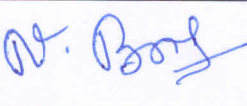
Item No. 7 - Methodologies for innovative Teaching and Evaluation Techniques

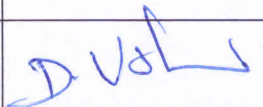
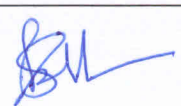
The Chairman elaborated on various digital teaching methods such as Google Meets, Zoom, Google Classroom, Cisco WebEx, and other platforms which were adopted by faculty members for teaching and evaluation.

JERUSALEM COLLEGE OF ENGINEERING
(An Autonomous Institution, Affiliated to Anna University, Chennai)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
FIFTH BOARD OF STUDIES MEETING

05.06.2023

Members:

S.No.	Name with Designation	Organization	Position	Signature
1.	Dr. S. Vinod Associate Professor &Head, EEE Dept.	Jerusalem College of Engineering	Chairman	
2.	Dr.P.Ramesh Babu Professor, EIE Dept.,	Puducherry Technological University, Puducherry	Anna University Nominee - Member	
3.	Dr.K.Vijaya kumar Professor and Head, EEE Dept.	SRM Institute of Science and Technology, Chennai.	Subject Expert - Member	
4.	Dr.M.Prabhakar, Professor, Centre for Smart Grid Technologies	Vellore Institute of Technology, Chennai.	Subject Expert - Member	
5.	Mr. Rajaganesan.G, Director, Technical Operation	VATIO Energy India Pvt. Ltd.	Industry Representative - Member	
6.	Ms.S.Harish Senior Embedded Software Engineer	Visteon, Chennai.	Alumni - Member	
7.	Dr.S.Ramakrishnan, Professor ,EEE Dept.	Jerusalem College of Engineering	Member	
8.	Dr.V.Jamuna, Professor, EEE Dept.	Jerusalem College of Engineering	Member	
9.	Dr.N.Booma Professor, EEE Dept.	Jerusalem College of Engineering	Member	
10.	Ms. Anuja Prashant Diwan Associate Professor, EEE Dept.	Jerusalem College of Engineering	Member	
11.	Ms. P.L. Revathy, Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	

12.	Mr. J. Arul Prakash Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
13.	Ms. S. Sivajothi Kavitha Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
14.	Ms. D. Usha Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
15.	Ms. S. Rudhra, Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member Secretary	

JERUSALEM COLLEGE OF ENGINEERING

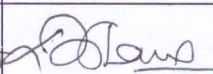
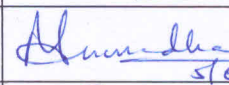
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DEPARTMENT OF ELECTRONICS AND ELECTRONICS ENGINEERING

FIFTH BOARD OF STUDIES MEETING

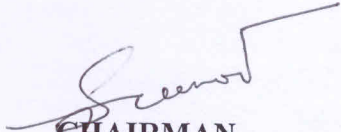
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Special Invitees:

S.No.	Name with Designation	Designation	Signature
1	ILAYAPERUMAL IG	HEAD - TRAINING & PLACEMENT	
2.	Dr. P. ANURADHA.	Dean Academics, JCE	 5/6/23
3.	Dr. P. Gnanesivam	Dean - IR,	

Additional Remarks:

The meeting ended by the Chairman thanking all the members for their presence and overall suggestions which he ensured would be incorporated and forwarded to Academic Council.



CHAIRMAN
(Dr.S.VINOD)



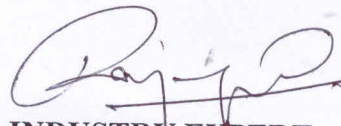
SUBJECT EXPERT
(Dr.M.PRABHAKAR)



SUBJECT EXPERT
(Dr.K.VIJAYAKUMAR)



ALUMNI
(Mr.S.HARISH)



INDUSTRY EXPERT
(Mr. RAJAGANESAN.G)



ANNA UNIVERSITY NOMINEE
(Dr.P.RAMESH BABU)