

JERUSALEM COLLEGE OF ENGINEERING

[An Autonomous Institution affiliated to Anna University]

16.05.2025

Minutes of the 7th meeting of Board of Studies for the Department of Electrical and Electronics Engineering held on 16th May 2025 at Jerusalem college of Engineering in Board Room at 10.00 am

Members present:

S.no	Name	Category
1	Dr. S. Vinod Associate Professor & HOD- EEE Jerusalem College of Engineering	Chairman
2	Dr.A.Kavitha Professor , EEE Dept., CEG Campus , Anna University , Chennai.	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

S.no	Name	Category
8	Dr. V. Jamuna, Professor – EEE Jerusalem College of Engineering	Member
9	Dr. N. Booma. Professor – EEE , Jerusalem College of Engineering	Member
10	Mr. J. Arul Prakash Assistant Professor-EEE Jerusalem College of Engineering	Member
11	Ms. S.Sivajothi kavitha Asst. Professor - EEE . Jerusalem College of Engineering	Member
12	Ms. D.Usha Asst. Professor - EEE Jerusalem College of Engineering	Member
13	Ms. S. Rudhra Assistant Professor-EEE Jerusalem College of Engineering	Member Secretary

At the outset, the Chairman welcomed the members to the 7th meeting of the Board of Studies. The Chairman informed the members that this meeting was focused on the finalization of the syllabi for the third and final year subjects (V, VI, VII, and VIII Semesters) under R2023 by considering all the suggestions given by the respected expert members.

The following agenda points were discussed in detail:

Item No. 1 - Approval of Syllabi for the UG courses offered in III & IV year [4th , 5th ,6th and 7th semesters] of Department of Electrical and Electronics Engineering under R2023, Jerusalem college of Engineering

The syllabi for both theory and laboratory courses offered in the third and final years for undergraduate students following R2023 were presented by the Chairman. Suggestions provided by the members were incorporated, and the syllabi were finalized.

Members of the BOS suggested the following points for the syllabi of third and final year courses:

JEE2501 – Power Electronics and Drives:

- Units 1 and 4 are to be rearranged for better content flow.
- The topic "**V/f control of Induction Motor**" should be added.
- The topic "**Margin angle control of Synchronous Motor**" should be removed.

JEE2522 – Internet of Things in Electrical Engineering:

- The word "**Introduction**" should be removed from the title of **Unit 1**.
- **Cloud Integration** topics are to be included in **Unit 5**.

JEE2511 – Power Electronics and Drives Laboratory:

- The experiment on "**V/f control of Induction Motor**" should be added.
- Experiments such as "**Simulation of cyclo-converter**," "**Design of Single-Phase Inverter**," and "**UPS**" are to be removed.

JEE2601 - Power System Analysis, Operation and Control

- Units 2 and 3 are to be combined into a single unit.
- **Stability analysis of power systems** is to be added as the new in Unit 3.

JEE2621 – Power Electronics for Renewable Energy Systems:

- Topics related to **Energy Storage Systems** should be added in **Unit 5**.
- The content of Unit 5 should be **reframed accordingly**.
- Experiments such as " Simulation study on Hydroelectric Generator and Simulation study on Intelligent Controllers for solar PV Systems" are to be removed .
- Experiments such as " Performance Analysis of Permanent Magnet Synchronous Generator and Induction generators in Wind Energy Conversion Systems" should be added.

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

Item No. 2 – Approval of syllabi of open electives offered by the department in the 5th, 6th, and 7th semester under R2023

The list of open electives to be offered in the fifth, sixth and seventh semester for undergraduate students following R2023 was displayed by the Chairman and the syllabi of each of the courses was discussed and finalized.

Members of the BOS suggested the following points in syllabi of fifth, sixth and seventh semester open elective courses:

JEE9205 – Renewable Energy Systems

- Measuring devices and standards should be added as Unit V,

JEE9206 – Intelligent Controllers

- Topics related to **Reinforcement Learning** should be included in **Unit V**.
- The content of Unit V should be **reframed accordingly**.

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

The weightage marks for **JEE2741 – Comprehension and Technical Seminar**, **JEE2742 – Internship**, and **JEE2831 – Project Work** were discussed and subsequently approved by the BOS members.

Item No. 3 - 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. 4 - 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.

Additional Remarks:

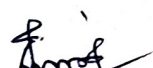
The meeting ended by the Chairman thanking all the members for their presence and overall suggestions which he ensured would be incorporated and forwarded to Academic Council.



CHAIRMAN
(Dr.S.VINOD)

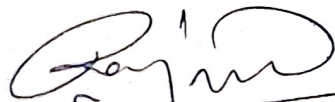


SUBJECT EXPERT
(Dr.M.PRABHAKAR)

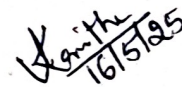


SUBJECT EXPERT
(Dr.K.VIJAYAKUMAR)

ALUMNI
(Mr.S.HARISH)



INDUSTRY EXPERT
(Mr. RAJAGANESAN.G)

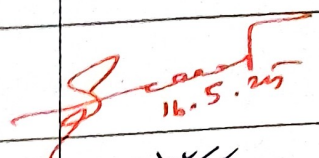
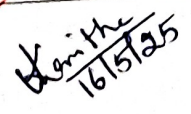
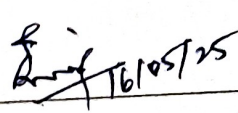
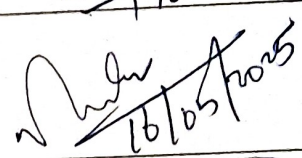
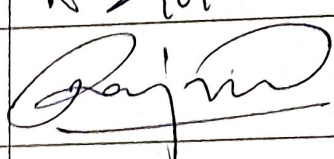
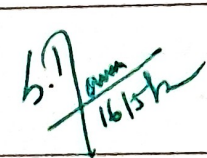
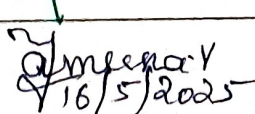
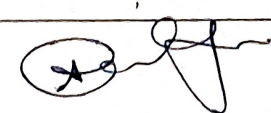
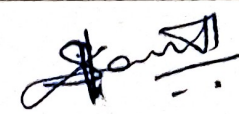


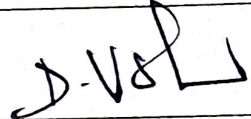
ANNA UNIVERSITY NOMINEE
(Dr.A. KAVITHA)

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

16.05.2025

Members:

S.No.	Name with Designation	Organization	Position	Signature
1.	Dr. S. Vinod Associate Professor & Head, EEE Dept.	Jerusalem College of Engineering	Chairman	 16.5.25
2.	Dr.A.Kavitha Professor , EEE Dept.,	CEG Campus , Anna University , Chennai	Anna University Nominee - Member	 16/5/25
3.	Dr.K.Vijayakumar Professor and Head, EEE Dept.	SRM Institute of Science and Technology, Chennai.	Subject Expert - Member	 16/05/25
4.	Dr.M.Prabhakar, Professor, Centre for Smart Grid Technologies	Vellore Institute of Technology, Chennai.	Subject Expert - Member	 16/05/2025
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	Absent
7.	Dr.S.Ramakrishnan, Professor ,EEE Dept.	Jerusalem College of Engineering	Member	 16/5/25
8.	Dr.V.Jamuna, Professor, EEE Dept.	Jerusalem College of Engineering	Member	 16/5/2025
9.	Dr.N.Booma Professor, EEE Dept.	Jerusalem College of Engineering	Member	
10.	Mr. J. Arul Prakash Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
11.	Ms. S,Sivajothi Kavitha Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	

12.	Ms. D.Usha Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
13.	Ms. S. Rudhra, Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member Secretary	

JERUSALEM COLLEGE OF ENGINEERING

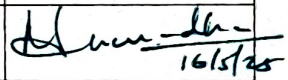
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DEPARTMENT OF ELECTRONICS AND ELECTRONICS ENGINEERING

SEVENTH BOARD OF STUDIES MEETING

16.05.2025

Special Invitees:

S.No.	Name with Designation	Designation	Signature
1.	Dr Ramesh .S	Principal	
2.	Dr. P. Anuradha .	Dean Academics, JCE	
3	Dr. P. Gnaneswara Dean - IA	Dean - IA	