

JERUSALEM COLLEGE OF ENGINEERING

[An Autonomous Institution affiliated to Anna University, Chennai]

29.06.2020

Minutes of the 2nd meeting of Board of Studies for the Department of Electronics and Instrumentation Engineering held on 29.06.2020 at 11.00 A.M. through Google Meet.

Members present:

- Dr.V.Jamuna, Professor and Head, EIE Dept., Jerusalem College of Engineering, Chairperson.
- Dr.P.Lakshmi Professor, EEE Dept., Anna University, CEG campus, Guindy, Anna University Nominee.
- Dr.S.Rajendiran, Associate Professor, EIE Dept., Pondicherry Engineering College, Pondicherry, Subject Expert 1.
- Dr.K.Vijayakumar Professor and Head, EEE Dept., SRM Institute of Science and Technology, Chennai, Subject Expert 2.
- Mr. Rajaganesan.G, Director, Technical Operation, VATIO Energy India Pvt. Ltd., Industry Representative.
- Ms.D.Nivedhika Graduate Engineer, Aptiv components India Pvt. Ltd., Bangalore, Alumni.
- Ms.S.Sivajothi Kavitha, Asst. Professor, EIE Dept., Jerusalem College of Engineering.
- Ms.D.Usha, Asst. Professor, EIE Dept., Jerusalem College of Engineering.
- Ms.K.Hemalatha, Asst. Professor, EIE Dept., Jerusalem College of Engineering.
- Ms.J.Anslin, Asst. Professor, EIE Dept., Jerusalem College of Engineering.
- Mr.K.Selvasundar, Asst. Professor, EIE Dept., Jerusalem College of Engineering.
- Ms.R.Indhumathi, Asst Professor, EIE Dept., Jerusalem College of Engineering.
- Ms.S.Vinodha, Associate Professor, EIE Dept., Jerusalem College of Engineering, Member Secretary.

At the outset, the Chairman welcomed the members for the 2nd meeting of the Board of Studies through Google Meet. The Chairman highlighted the distinctiveness of the curriculum designed for the undergraduate programme offered by the Department of Electronics and Instrumentation Engineering under regulation 2019 which was approved in the first Board of Studies meeting held on 19.07.2019. She informed the members that this meeting was focused on finalization of syllabi of courses offered in the second year of respective study by considering all the suggestions given by the respected experts from University and Industry.

The agenda points were discussed in detail as mentioned below:

Item No. 1 - Approval of Syllabi for the UG courses offered in II year [3rd and 4th semesters of Batch 2019 - 23] of the Department of Electronics and Instrumentation Engineering under R2019, Jerusalem college of Engineering

The syllabi of both theory and laboratory courses that are offered in the third and fourth semesters for undergraduate students following R2019 was presented by the Chairman. Suggestions given by members were incorporated and the syllabi was finalized.

- Dr.P.Lakshmi, Anna University Nominee, suggested to combine Unit I and II in 3rd semester Transducer Engineering subject and to split Unit V into two units with recent sensors and actuators used in industries.
- Dr.M.Ramalingam, Director and the Industry Expert, Mr.G.Rajaganesan, suggested to include industry based analog and digital meters, Bi-directional meters and Introduction of Smart Meter in unit II of the 3rd semester Electrical and Electronic measurements subject.
- The Subject Expert, Dr.S.Rajendiran, suggested to include simplification using tabulation method in unit II of digital logic circuit (3rd semester subject).
- In the 4th semester Electrical Machines subject, Dr.P.Lakshmi and Mr.G.Rajaganesan suggested the title to Unit IV as Induction Motors and suggested to combine the single phase and three phase induction motors together. They also suggested to dedicate unit V to include additional special machines based on recent advancements.
- Dr.S.Rajendiran and the Industry Expert, Mr.G.Rajaganesan suggested to include few simulation experiments in Electrical Machines laboratory.
- The Alumni Member Ms.D.Nivedhika suggested to introduce the stability concepts in prior to the topic root locus in the Semester IV Control System Subject. In concordance to this, Dr.P.Lakshmi and Dr.K.Vijayakumar suggested to include stability concept and criterion in Unit II and Unit III. They also suggested to include Routh Hurwitz Criterion in Unit II and hence Unit IV can be dedicated purely for Compensators.

Item No. 2-Approval of syllabi of open electives offered by the department in the 4th semester for the Batch 2019 - 23.

The list of open electives to be offered in the fourth semester for undergraduate students of Batch 2019 - 23 was displayed by the Chairman and the syllabi of each of the courses was discussed and finalized. The Chairman informed the members that students can take up Swayam courses as open electives after due validation from the class advisor, HoD and Dean Academics.

- Dr.M.Ramalingam, Director, suggested to include more digital instruments and to add Signal and Pulse generators, Oscilloscopes and frequency counters in Unit III of Basics of Measurements and Instrumentation subject. He also suggested to include

Temperature and Pressure Sensors used in IoT applications, RFID sensors and Biometric sensors in unit V of Sensors for Engineering Applications subject.

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.

- The Members suggested to include few more Government Engineering College faculty members in the list to add weightage to the panel.

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, WhatsApp and other platforms which were adopted by faculty members for teaching and evaluation during this crisis period. The Chairman also highlighted the enthusiastic participation of their students and faculty in taking up value added courses through JCE COURSERA CAMPUS PROGRAM which was a huge success among JCE students and faculty.

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



CHAIRPERSON
(Dr.V.JAMUNA)



SUBJECT EXPERT1
(Dr.S.RAJENDIRAN)



SUBJECT EXPERT2
(Dr.K.VIJAYAKUMAR)

Dr. V. JAMUNA
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ALUMNI
(Ms.D.NIVEDHIKA)

INDUSTRY EXPERT
(Mr. RAJAGANESAN.G)



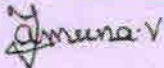
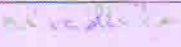
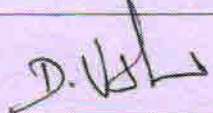
ANNA UNIVERSITY NOMINEE
(Dr.P.LAKSHMI)

Dr. P. LAKSHMI, M.E., Ph.D.,
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JERUSALEM COLLEGE OF ENGINEERING
(An Autonomous Institution, Affiliated to Anna University, Chennai)
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
SECOND BOARD OF STUDIES MEETING

29.06.2020

Members:

S.No.	Name with Designation	Organization	Position	Signature
1.	Dr.V.Jamuna, Professor and Head, EIE Dept.	Jerusalem College of Engineering	Chairperson	
2.	Dr.P.Lakshmi Professor, EEE Dept.	Anna University, CEG campus, Guindy	Anna University Nominee - Member	
3.	Dr.S.Rajendiran Associate Professor, EIE Dept.	Pondicherry Engineering College, Pondicherry.	Subject Expert - Member	
4.	Dr.K.Vijayakumar Professor and Head, EEE Dept.	SRM Institute of Science and Technology, Chennai.	Subject Expert - Member	
5.	Mr. Rajaganesan.G, Director, Technical	VATIO Energy India Pvt. Ltd.	Industry Representative - Member	
6.	Ms.D.Nivedhika Graduate Engineer	Aptiv components India Pvt. Ltd., Bangalore.	Alumni - Member	
7.	Ms.S.Sivajothi Kavitha, Asst. Professor, EIE Dept.	Jerusalem College of Engineering	Member	
8.	Ms.D.Usha, Asst. Professor, EIE Dept.	Jerusalem College of Engineering	Member	
9.	Ms.K.Hemalatha, Asst. Professor, EIE Dept.	Jerusalem College of Engineering	Member	
11.	Ms.J.Anslin, Asst. Professor, EIE Dept.	Jerusalem College of Engineering	Member	
12.	Mr.K.Selvasundar, Asst. Professor, EIE Dept.	Jerusalem College of Engineering	Member	
13.	Ms.R.Indhumathi, Asst. Professor, EIE Dept.	Jerusalem College of Engineering	Member	
14.	Ms.S.Vinodha Associate Professor, EIE Dept.	Jerusalem College of Engineering	Member Secretary	