

JERUSALEM COLLEGE OF ENGINEERING
(An Autonomous Institution, Affiliated to Anna University, Chennai)

MINUTES OF BOS MEETING HELD ON 26/06/2021

26.06.2021

Minutes of the 3rd meeting of Board of Studies for the Department of Electronics and Communication Engineering held on 26-06-2021 at 10.30 a.m through Google meet is furnished below.

Members present:

- Dr.P.Gnanasivam, Professor and Head, Dept. of ECE, Jerusalem College of Engineering, Chairperson.
- Dr.G.Velmathi, Professor, School of Electronics Engineering, VIT Chennai Campus, Subject Expert
- Mr.Ganesh Balasubramanian, Senior Deputy Director of Engineering, Amphenol Omniconnect India Pvt Ltd, Industry representative.
- Dr. K. Thayalan, Principal, Radiation Physics Department, Dr. Kamatchi Institute of Medical Sciences and Research, Chennai - 100 Subject Expert
- Mr. M. Sarathy Krishnan, Asst. Engineer, KMC, Chennai. Member-Alumni
- Dr.N.Saritha, Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms. S. Bhavanisankari, Associate Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms. G.T. Bharathy, Associate Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms. T.Tamilselvi, Associate Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms. S.Lavanya Devi, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Mr.K.Vadivel, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms.K.Rajasaranya, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms. P.Akila, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Mr.N.Kanniyappan, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member

The Chairman welcomed the members for attending the 3rd meeting of the Board of Studies. The agenda points were discussed in detail for UG and PG separately as mentioned below:

UG R2019 Regulation Syllabi

1. Approval of syllabi for the UG courses offered in III year (5th and 6th semesters of Batch 2019-23) of the Department of ECE under R2019, Jerusalem College of Engineering.

The Chairman presented the curriculum and syllabus of 5th and 6th semester for B.E. – Electronics and Communication Engineering programme designed for R2019 (CBCS).

- a) The Chairman informed that some of the subjects of both 5th and 6th semesters will be presented and ratified in the BOS meeting of other departments as mentioned below.
- b) The curriculum and syllabi of **fifth semester** was discussed in detail. In addition, the professional elective (PE 2) associated with 5th semester and the open elective (OE 2) offered by the department of ECE for other departments were discussed. Also, the number of credits allotted for each category was mentioned by the Chairman and the same was approved by the members.
- c) The curriculum and syllabi of **sixth semester** was discussed in detail. In addition, the professional elective (PE 3) associated with 5th semester and the open elective (OE 3) offered by the department of ECE for other departments were discussed. Also, the number of credits allotted for each category was mentioned by the Chairman and the same was approved by the members.

BOS members suggested the following to improvise the syllabus to map with the industry and motivating the students for a start-up entrepreneur.

- The practical subject JEC 1521 Mini Project (Vth semester) was framed to do small projects based on the learning of open source and licensed tools. Mr. Ganesh Balasubramanian insisted the need of building a product instead of mini project and suggested the reverse engineering.
- Mr. Ganesh Balasubramanian, also suggested to insist the students to undergo some networking course which should be a mandatory for the sixth semester students. He suggested the following courses viz., professional networking of various levels/IEEE certification and approved courses/hacking practice/wireless and have tie-up with companies who offer such a course as a center of excellence. Director M. Ramalingam suggested to add this as a value added courses.

2. Ratification and Approval of the revised panel of examiners (both the internal & external) to be forwarded to the Academic Council.

The Chairman presented the list of internal and external examiners to the members. The members recommended the list to be forwarded to the Academic Council for approval. The lists are enclosed in Annexure.

3. Methodologies for innovative Teaching and Evaluation Techniques

The Chairman suggested different innovative methods for teaching and evaluation. This year problem based learning (PBL) is introduced to have hands on experience and publication. The members also gave suggestions and ideas that could be implemented for better teaching – learning environment.

PG R2021 Regulation Curriculum and Syllabi

The chairman presented the PEOs, POs and PEO - PO mappings of whole curriculum, the credit summary and four course objectives of the R 2021 M.E. Applied Electronics PG course.

1. Approval of R 2021 curriculum & syllabi for the PG course M.E (Applied Electronics)

- a) The chairman mentioned that the subject Applied Mathematics for Electronics Engineers will be ratified in the S & H department board.
- b) The credit summary and the percentage sharing of the fundamental course, professional core, professional elective, open elective and employment enhancement courses are presented. Total credit of the course is seventy.
- c) chairman presented the R 2021 curriculum of all four semesters, professional electives, and open elective offered by the ECE department to other department.
- d) First semester syllabus including the professional core, and professional elective and two labs are presented. The semester course objectives and course outcomes also discussed.
- e) Second semester syllabus including the professional core, and professional elective and two labs are presented. The semester course objectives and course outcomes also discussed.

Following are the suggestions given by the BOS members

- Dr. G. Velmathi, the subject expert from VIT, Chennai and the director Dr. M. Ramalingam suggested to change the name of the laboratory Electronic System Design Laboratory to Embedded System Design Laboratory.

- Dr. G. Velmathi, Dr. S. Nirmala Devi, Anna University Nominee and Dr. M. Ramalingam suggested to include computer console, Open CV and open source software's.
- Dr. G. Velmathi suggested a link which is a government initiative through which the researchers can have console. The website is www.istem.gov.in
- Dr. S. Nirmala Devi suggested to included more topics in the IV unit of the subject JAE5012 Pattern Recognition.

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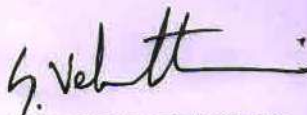
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Additional Remarks:

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 the Academic Council.


CHAIRPERSON
 (Dr. P. GNANASIVAM)


ALUMNI
 (Mr. M. SARATHY KANNAN)


SUBJECT EXPERT 1
 (Dr. G. VELMATHI)


INDUSTRY EXPERT
 (Mr. GANESH BALASUBRAMANIAN)


SUBJECT EXPERT 2
 (Dr. K. THAYALAN)