

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

MINUTES OF BOS MEETING HELD ON 27/06/2020

27.06.2020

Minutes of the 2nd meeting of Board of Studies for the Department of Electronics and Communication Engineering held on 27-06-2020 at 10.00 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.M. Meenakshi, Professor & HOD, Dept. of ECE, CEG, Anna University, Chennai
Anna University Nominee
- Dr.G.Velmathi, Professor, School of Electronics Engineering, VIT Chennai Campus,
Subject Expert 1.
- Mr.Ganesh Balasubramanian, Senior Deputy Director of Engineering, Amphenol Omnicore India Pvt. Ltd,
Industry Expert
- Dr. K. Thayalan, Principal, Radiation Physics Department, Dr. Kamatchi Institute of Medical Sciences and Research, Chennai - 100
Industry Expert
- Mr. M. Sarathy Krishnan, Asst. Engineer, KMC, Chennai.
- Ms. S. Bhavanisankari, Associate Professor, Dept. of ECE, Jerusalem College of Engineering,
Member-Alumni
- 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
- Ms. G.Bhargavi, 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.Raja Saranya, 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
- Ms. N. Ramya, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member

The Chairman welcomed the members for attending the 2nd meeting of the Board of Studies. The agenda points were discussed in detail as mentioned below:

1. Approval of UG curriculum for Semester III& IV of R2019(CBCS), Jerusalem College of Engineering.

The Chairman presented the curriculum for B.E. – Electronics and Communication Engineering programme designed for R2019 (CBCS), to be followed from the academic year 2020-21. The curriculum of each semester was discussed in detail and the summary of the number of credits allotted for each category was informed by the Chairman and the same was approved by the members.

The following suggestions were given by the committee members:

- Name of the laboratory Simulation and Emulation Lab in semester III has been suggested to change.

2. Approval of syllabi for the UG courses offered in II year (3rd and 4th semesters of Batch 2019-23) of the Department of ECE under R2019 (CBCS), Jerusalem College of Engineering.

The syllabi of the subjects that occur in the third and fourth semester were presented by the Chairman.

SEMESTER III	
S. No.	Subject
THEORY	
1	Electronic Circuits.
2	Digital Electronics
3	Signals and Systems
4	Essence of Indian Traditional Knowledge
PRACTICALS	
5	Electronic Circuits and Simulation Laboratory
6	Digital Logic Design Laboratory
7	Simulation and Emulation Laboratory – 1
8	Soft Skills and Aptitude – 1

SEMESTER IV	
S. No.	Subject
THEORY	
1	Analog and Digital Communication
2	Linear Integrated Circuits
3	Electromagnetic Field Theory
4	Professional Elective -I
5	Open Elective - I
PRACTICALS	
4	Analog and Digital Communications Laboratory
5	Linear Integrated Circuits Laboratory
6	Soft Skills and Aptitude – 2

The following suggestions were given by the committee members

- Unit III and IV of Electronic circuits were suggested to be re-oriented as follows
 - Unit III - Feedback amplifiers and oscillators
 - Unit IV - Power amplifiers.
- Quine Mclusky Method was suggested for solving with 6 variables in Digital Electronics theory.
- At least one experiment based on real time applications/ project based learning to be added in all the core labs.
- In Analog and Digital Communication, since Unit III and Unit V seems to be very lengthy, a suggestion has been made to combine Unit I and Unit II.
- In LIC theory/ lab data acquisition board to be included.
- Visualization of signal propagation using Matlab/Equivalent can be incorporated in EMF theory.

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

- Approval of syllabi of Professional and /open electives offered by the department in the 4th semester for the batch 2019-23.

PROFESSIONAL ELECTIVES -1 (SEMESTER IV)	
S. No.	Subject
1	Medical Electronics
2	Sensors and its Applications
3	Microelectronic Circuits

4	Fundamentals of Nano Science
5	Electronics Packaging and Testing
6	Industrial Electronics
OPEN ELECTIVES -1 (SEMESTER IV)	
S. No.	Subject
1	Introduction to Analog Electronic Circuits
2	Principles Communication Theory
3	Basics of Embedded Systems

The following suggestions were given by the committee members

1. IOT and its Architecture to be introduced in Unit I of the subject Sensors and its Applications. In addition, all sensor Applications to be mentioned as an overview.
2. BOS members pointed out that much portion of the Microelectronic subjects are covered in the electronic circuits and LIC subject and thus the subject Microelectronics may replaced with some other core subject.
3. BOS members suggested to include Electronic Packaging and testing subject in the higher semester.

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

4. Approval of syllabi for the PG courses offered in 2nd year (3rd and 4th semesters of Batch 2019-21) of the department of ECE under R2019, Jerusalem College of Engineering.

- Regulations 2019 of Jerusalem college of Engineering will be followed
- Continuation of Anna University Curriculum and syllabi for II year M.E (Applied Electronics) under R2017

5. Approval of the panel of Examiners (Both Internal & External) to be forwarded to 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. It was also resolved that additional names can be included after getting the approval in the subsequent Board of Studies meetings and Academic Council.

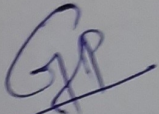
6. Methodologies for innovative Teaching and Evaluation Techniques

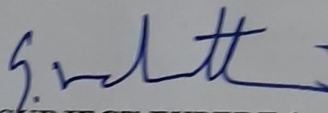
6. Methodologies for innovative Teaching and Evaluation Techniques


The Chairman suggested different innovative methods for teaching and evaluation. The members also gave suggestions and ideas that could be implemented for better teaching – learning environment.

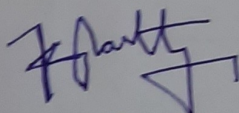
Additional Remarks:

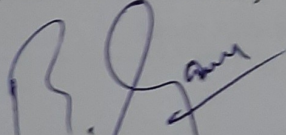
The meeting ended by the Chairman thanking all the members for their presence and overall suggestions which the committee ensured would be incorporated and forwarded to Academic Council.

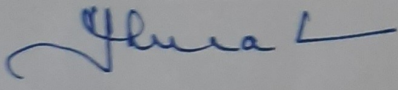

CHAIRPERSON
(Dr. P. GNANASIVAM)


SUBJECT EXPERT 1
(Dr. G. VELMATHI)


SUBJECT EXPERT 2
(Dr. K. THAYALAN)


ALUMNI
(Mr. M. SARATHY KANNAN)

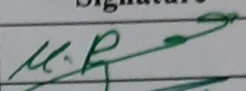

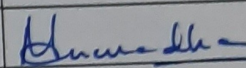

INDUSTRY EXPERT
(Mr. GANESH BALASUBRAMANIAN)


ANNA UNIVERSITY
(Dr. M. MEENAKSHI)
Dr. M. MEENAKSHI
Head
Dept. of Electronics and Communication Engineering
Anna University, Chennai - 600 025.

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

27.06.2020

Special Invitees:

S.No.	Name	Designation	Signature
1	Dr. M. Ramalingam	Director	
2	Dr. S. Prince Arockia Doss	Principal	 <i>for me</i>
3	Dr. P. Anuradha	Dean Academics	

for me

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

MINUTES OF BOS MEETING HELD ON 22/07/2019

22.07.2019

Minutes of the 1st meeting of Board of Studies for the Department of Electronics and Communication Engineering held on 22-07-2019 at 11.00 a.m. in Board Room, Jerusalem College of Engineering.

Members present:

- Dr.P.Gnanasivam, Professor and Head, Dept. of ECE, Jerusalem College of Engineering, Chairperson.
- Dr. M. Meenakshi, Professor, Dept. of ECE, Anna University, CEG, Anna University Nominee
- Dr.G.Velmathi, Professor, School of Electronics Engineering, VIT Chennai Campus, Subject Expert 1.
- Mr.Ganesh Balasubramanian, Senior Deputy Director of Engineering, Amphenol Omnicore India Pvt Ltd, Industry.
- Dr. K. Thayalan, Principal, Radiation Physics Department, Dr. Kamatchi Institute of Medical Sciences and Research, Chennai - 100
- Mr. M. Sarathy Krishnan, Asst. Engineer, KMC, Chennai.
- Dr. K. Annaram, 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
- Ms. G.Bhargavi, 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.Raja Saranya, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms. P.Akila, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member

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- G.Lakshmi Priya, Assistant Professor, Dept. of ECE, Jerusalem College of Engineering, Member
- Ms.Kalaivani.K, 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 1st meeting of the Board of Studies. The agenda points were discussed in detail as mentioned below:

1. Ratification for continuation of Anna University Curriculum and Syllabi for II, III and IV year U.G. students under R2017 and R2013 respectively and II PG of R2017, Anna University.

The Chairman informed the members that the present second and third year B.E. (ECE) & M.E (Applied Electronics) students admitted under Anna University will continue to follow regulation 2017 and the present fourth year students under Anna University will follow regulation 2013. As the college has now been granted autonomous status, the Chairman sought approval from the members to continue with the same curriculum and syllabi with the flexibility of conducting examinations (both assessment and End Semester) through the office of Controller of Examinations, Jerusalem College of Engineering. To this, the members accepted to the proposal of the Chairman.

2. Approval of curriculum and Syllabus of R2019 (CBCS) for I & II Year PG M.E.(AE)

The Chairman sought approval from the members to continue with the same curriculum and syllabi with the flexibility of conducting examinations (both assessment and End Semester) through the office of Controller of Examinations, Jerusalem College of Engineering for I and II year P.G M.E (AE) students. The members accepted to the proposal.

3. Approval of UG curriculum for Semester I – VIII of R2019(CBCS) , Jerusalem College of Engineering.

The Chairman presented the curriculum for B.E. – Electronics and Communication Engineering programme designed for R2019 (CBCS), to be followed from the academic year 2019-20. The curriculum of each semester was discussed in detail and the summary of the number of credits allotted for each category was informed by the Chairman and the same was approved by the members.

The following suggestions were given by the committee members

1. The name of the subject Electronics & Circuits and applications in semester three has been modified as Electronic Circuits.
2. Signals and System (III Semester) and Electromagnetic Field Theory (IV Semester) are swapped.
3. Internship programme can be given in the form of Internship/In-plant training/Field Survey/Proposal Writing/Industrial Requirement/Participation in Hackathon

4. Approval of Syllabi for the first year technical courses

The syllabi of the technical subjects that occur in the first and second semester of R2019 were presented by the Chairman.

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- Engineering Basics- UNIT IV – I Sem.
- Design Appreciation Laboratory – I Sem (Group B)
- Electric Circuits & Electronic Devices - II Sem.
- Electric Circuits & Electronic Devices Laboratory- II Sem.
- Digital Logic Circuits – II Sem
- Digital Logic Circuits Laboratory-II Sem

The following suggestions were given by the BOS members:

- Text book suggested for Digital Logic Circuits – II Sem – M. Morris Mano and Michael D. Ciletti, "Digital Design", 5th Edition, Pearson, 2014.

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

5. Approval of the panel of Examiners (Both Internal & External) to be forwarded to 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. It was also resolved that additional names can be included after getting the approval in the subsequent Board of Studies meetings and Academic Council.

6. Methodologies for innovative Teaching and Evaluation Techniques

The Chairman suggested different innovative methods for teaching and evaluation. The members also gave suggestions and ideas that could be implemented for better teaching – learning environment.


Additional Remarks:

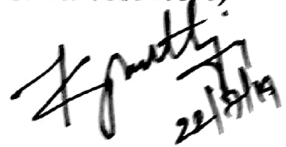
Regrouping and inclusion of emerging professional electives and open electives were suggested which will be finalized in next BOS.

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.P.GNANASIVAM)


SUBJECT EXPERT1
(Dr.G.VELMATHI) 22/7/19


SUBJECT EXPERT2
(Dr. K. THAYALAN)


ALUMNI
(Mr.M.SARATHY KANNAN) 22/7/19


INDUSTRY EXPERT
(Mr. GANESH BALASUBRAMANIAN)


ANNA UNIVERSITY
(Dr.M.MEENAKSHI) 22/7/19