

JERUSALEM COLLEGE OF ENGINEERING

[An Autonomous Institution affiliated to Anna University]

Minutes of the 2nd meeting of Board of Studies for the Department of Electrical and Electronics Engineering held on 29th June 2020 at Chennai through Google Meet.

Members present:

S.no	Name	Category
1	Dr. N. Booma, Prof & HOD – EEE Jerusalem College of Engineering	Chairman
2	Dr. G. Uma Prof – EEE CEG, Anna University	Anna University nominee
3	Dr. S.Rajendiran Associate professor, EIE department, Pondicherry Engineering College, Pondicherry.	Subject expert
4	Dr. K. Vijayakumar Prof & HOD-EEE SRM Institute of Science and Technology.	Subject expert
5	Mr. Raja Ganesan G. Director, Technical operation, VATIO Energy India PVT. Ltd	Industry
6	Ms.D.Nivedhika, Graduate Engineer, Aptiv Components India PVT. Ltd. Bangalore	Post graduate Alumni
7	Dr. Ramakrishnan S. Professor – EEE , Jerusalem College of Engineering	Member
8	Ms. Anuja Prashant Diwan Associate Professor-EEE Jerusalem College of Engineering	Member
9	Mr. G. Tarakaram Assistant Professor-EEE Jerusalem College of	Member

S.no	Name	Category
10	Mr. N. Suresh Assistant Professor-EEE Jerusalem College of Engineering	Member
11	Ms. S. Rudhra Assistant Professor-EEE Jerusalem College of Engineering	Member
12	Ms. PL. Revathy Assistant Professor-EEE Jerusalem College of Engineering	Member
13	Mr. J. Arul Prakash Assistant Professor-EEE Jerusalem College of Engineering	Member
14	Ms. R. Sripriya Asst. Professor - EEE . Jerusalem College of Engineering	Member
15	Ms. T.S. Anandhi Asst. Professor - EEE Jerusalem College of Engineering	Member
16	Ms. N. Kanimozhi Asst. Professor-EEE Jerusalem College of Engineering	Member
17	Mr. S. Vinod Associate Professor-EEE 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 and post graduate programme offered by the Department of Electrical and Electronics 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 Electrical and Electronics 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.

Members of BOS suggested the following points in syllabi of third and fourth semester courses

- In Digital logic circuits, Unit II , simplification using tabulation method can be added.
- In DC machines and transformers subject, Unit II – K-rated transformer and Digital Distribution Transformer should be added.
- In DC machines and transformers Laboratory, MATLAB simulation for DC machines experiment can be added.
- In Transmission , Distribution and Protection subject, Unit II – Effect of Wind and ICE loading topic can be added and in unit IV – Topic related to earthing should be added.
- In AC machines Laboratory, MATLAB simulation for AC machines experiment can be added.

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

Item No. 2 – Approval of syllabi of Professional / 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.

Members of BOS suggested the following points in syllabi of third and fourth semester courses

- Open elective subjects should be more specific and useful for the students.

Open elective subjects list and syllabus revised and sent to BOS members for the approval

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.

Item No. 3 – Approval of Syllabi for the PG courses M.E. (PED) offered in II year [3rd and 4th semesters of batch 2019 - 21] of the Department of Electrical and Electronics 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 postgraduate students following R2019 was presented by the Chairman. The list of Professional electives offered in the third and fourth semesters were also displayed, and syllabi of each course was presented. The proposal of Chairman was approved by all the members.

Item No. 4 - 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. 5 - Methodologies for innovative Teaching and Evaluation Techniques

The Chairman elaborated on various digital teaching methods such as Google Meets, Zoom, Google Classroom, Cisco WebEx, 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 he ensured would be incorporated and forwarded to Academic Council.



CHAIRPERSON

(Dr.N. BOOMA)

Dr. N. BOOMA, B.E., M.E., Ph.D
Professor & Head,
Electrical & Electronics Engineering,
Jerusalem College of Engineering,
Narayanapuram, Velachery Main Road,
Chennai-600 100.



SUBJECT EXPERT1

(Dr.K.VIJAYAKUMAR)



SUBJECT EXPERT2

(Dr.S.RAJENDIRAN)



ALUMNI

(Ms.D.NIVEDHIKA)

INDUSTRY EXPERT

(Mr. RAJAGANESAN.G)






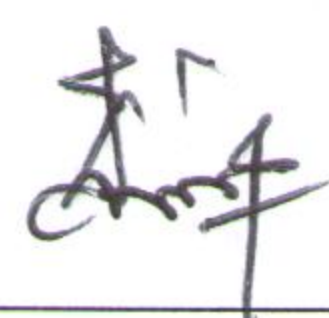


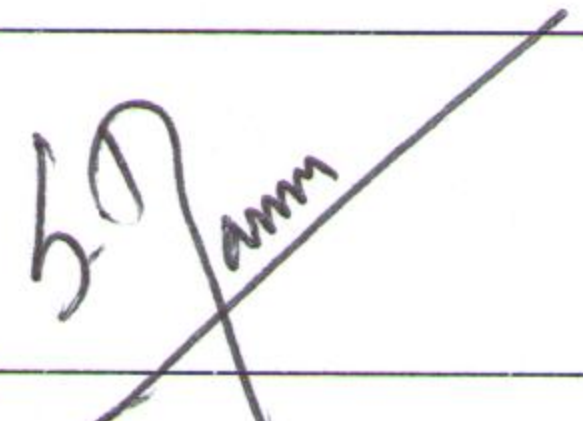
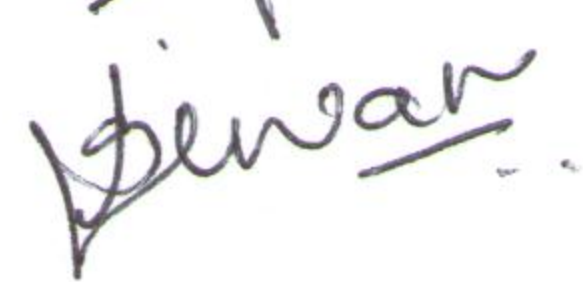




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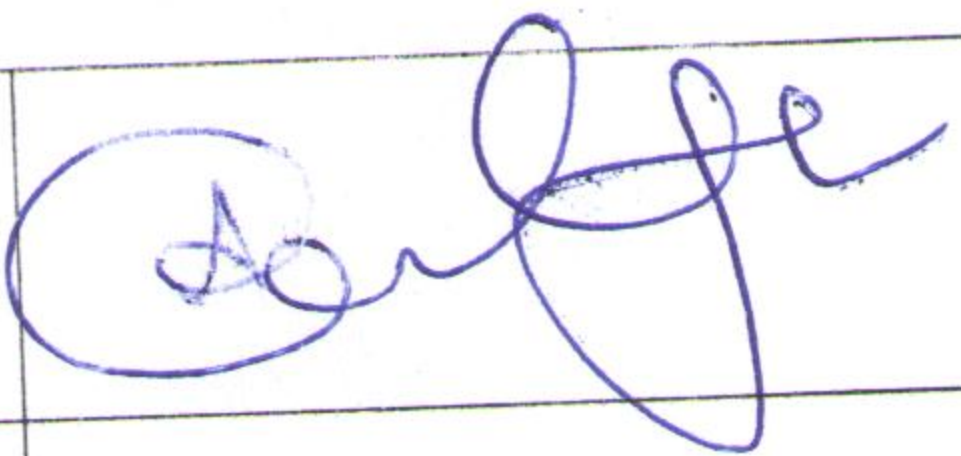

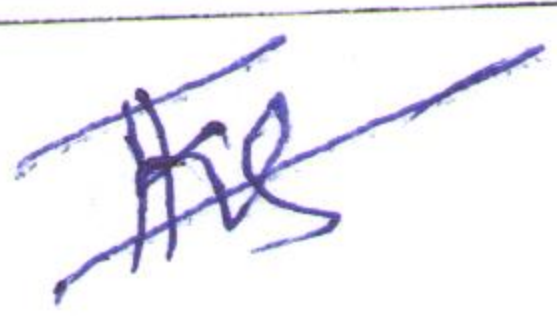

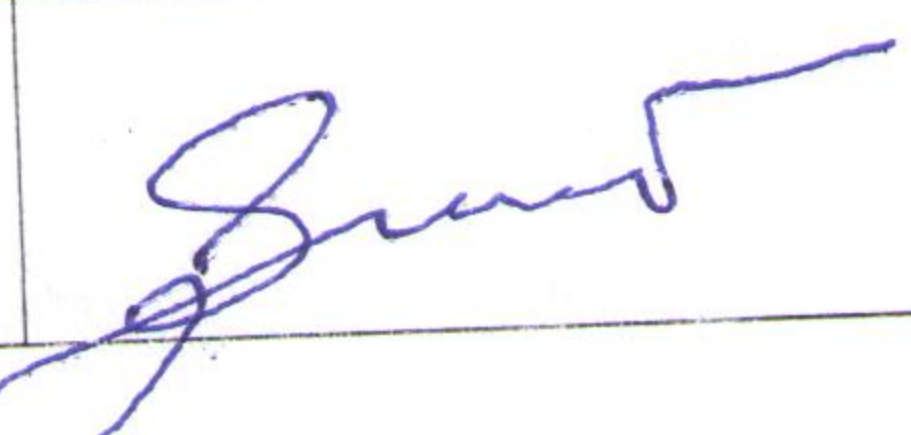
(Dr.G.UMA)

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

29.06.2020

Members:

S.No.	Name with Designation	Organization	Position	Signature
1.	Dr.N.Booma, Professor and Head, EEE Dept.	Jerusalem College of Engineering	Chairperson	
2.	Dr. G. Uma 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 Operation	VATIO Energy India Pvt. Ltd.	Industry Representative - Member	
6.	Ms.D.Nivedhika Graduate Engineer	Aptiv components India Pvt. Ltd., Bangalore.	Alumni - Member	
7.	Dr.Ramakrishan S. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
8.	Ms. Anuja Prashant Diwan Associate Professor, EEE Dept.	Jerusalem College of Engineering	Member	
9.	Mr. G. Tarakaram Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
10.	Mr. N. Suresh, Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
11.	Ms. S. Rudhra, Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
12.	Ms. P.L. Revathy, Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	

13.	Mr. J. Arul Prakash Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
14.	Ms. R. Sripriya Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
15.	Ms. T.S. Anandhi Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
16.	Ms.N. Kanimozhi Asst. Professor, EEE Dept.	Jerusalem College of Engineering	Member	
17.	Mr. S. Vinod Associate Professor, EEE Dept.	Jerusalem College of Engineering	Member Secretary	



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES FOR 1st BOARD OF STUDIES

Minutes of the 1st meeting of Board of Studies for the Department of Electrical and Electronics Engineering held on 19/07/2019 at Jerusalem college of Engineering in Seminar hall at 9.00 am.

Members present:

S. no.	Name	Category
1	Dr. S. Nagarajan, Prof & HOD – EEE Jerusalem College of Engineering	Chairman
2	Dr. G. Uma Prof- EEE CEG, Anna University	Anna University nominee
3	Dr. S.Rajendiran Associate professor, EIE department, Pondicherry Engineering College, Pondicherry.	Subject expert
4	Dr. K. Vijayakumar Prof & HOD-EEE SRM Institute of Science and Technology.	Subject expert
5	Mr. Raja Ganesan G. Director, Technical operation, VATIO Energy India PVT. Ltd	Industry
6	Ms.D.Nivedhika, Graduate Engineer, Aptiv Components India PVT. Ltd. Bangalore	Post graduate Alumni
7	Dr. S. Rama Reddy Professor & DEAN – EEE Jerusalem College of Engineering	Member
8	Dr. Ramakrishan S. COE, Jerusalem College of Engineering	Member
9	Mr. S. Vinod Assistant Professor Jerusalem College of Engineering	Member

S.no.	Name	Category
10	Mr. G. Tarakaram Assistant Professor Jerusalem College of Engineering	Member
11	Ms. Anuja Prashant Diwan Assistant Professor Jerusalem College of Engineering	Member
12	Mr. A. Tamizhselvan Assistant Professor Jerusalem College of Engineering	Member
13	Ms. S. Rudhra Assistant Professor Jerusalem College of Engineering	Member
14	Ms. P.L. Revathy Assistant Professor Jerusalem College of Engineering	Member
15	Mr. J. Arul Prakash Assistant Professor Jerusalem College of Engineering	Member
16	Mr. T. Siva Assistant Professor Jerusalem College of Engineering	Member
17	Dr. N. Booma Professor – EEE Jerusalem College of Engineering	Member Secretary

At the outset, 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:

Item No. 1- Ratification for continuation of Anna University Curriculum and Syllabi for II, III and IV year 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 (EEE) & II M.E(PED) 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.

Item No. 2 - Approval of UG curriculum for Semester I – VIII

The Chairman presented the curriculum for B.E.(EEE) programme designed for R2019(CHoice BASED CREDIT SYSTEM(CBCS)), to be followed from the academic year 2019-20. The presentation started by defining the PEOs, POs, PSOs and their mappings. 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.

Item No. 3 - Approval of Syllabi for the first year technical courses

The syllabi of the following technical courses that occur in the first and second semester of R2019 (CBCS) were presented by the Chairman.

- **JGE1101-ENGINEERING BASICS-** First semester
Unit 3- Electric circuits and Electrical Machines
- **JGE1111-DESIGN APPRECIATION LABORATORY -** First semester
Electrical Engineering Practice of Group B (Electrical and Electronics)
- **JEE1201-CIRCUIT THEORY-** Second semester
- **JEE1211-ELECTRIC CIRCUIT LABORATORY-** Second semester

Members of BOS suggested the following points in the syllabi of the above first year technical courses.

- In the circuit theory (JEE1201) subject, Unit 1(Basic circuit analysis and network reduction) and unit 2 (Network Theorems for DC and AC Circuits) can be combined as a single unit. Two port networks can be added as a separate unit.
- In Design Appreciation Laboratory (JGE1111), experiments like usage of primary protective equipments and usage of measuring instruments could be added In Electrical Engineering Practice category in order to give training to students.

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

Item No. 4 - Approval of curriculum and Syllabus of R2019(CBCS) for I Year PG ,M.E.(PED) & II Year PG, M.E.(PED)

The Chairman proposed that the current curriculum and syllabi of R2017 of Anna University will be followed for M.E.(PED) Programme, for students admitted in the Academic year 2019- 20. The proposal of the Chairman was approved by all the members.

Item No. 5 - Approval of the panel of Examiners (Both Internal & External) to be forwarded to Academic Council

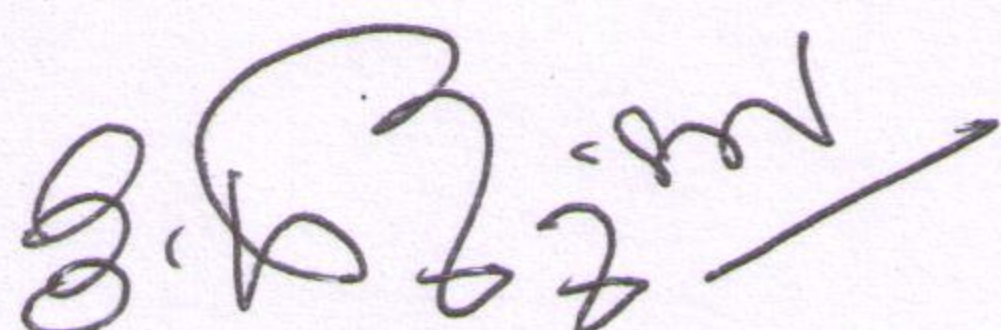
The Chairman presented the list of internal and external examiners to the members. The members recommended the list to be forwarded to the Academic Council for approval. The lists are enclosed in Annexure -1 and Annexure -2 respectively. It was also resolved that additional names can be included after getting the approval in the subsequent Board of Studies meetings and Academic Council.

Item No. 6 - Methodologies for Innovative Teaching and Evaluation Techniques

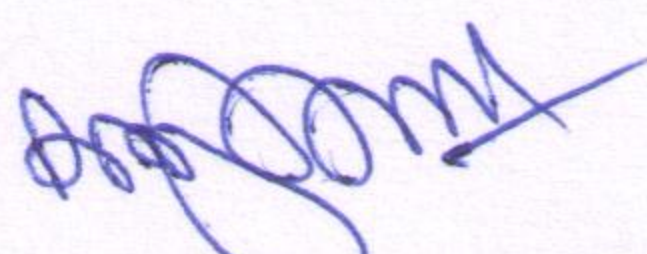
The Chairman suggested different innovative methods for teaching and evaluation. The members also gave suggestions and ideas that could be implemented for better teaching – learning environment.

Additional Remarks:

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



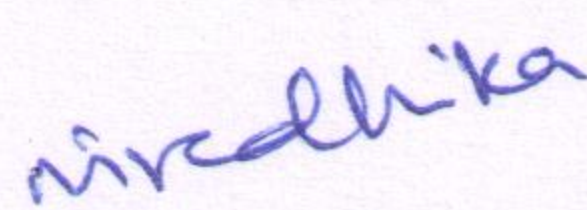
(Dr.S.Nagarajan)
CHAIRMAN



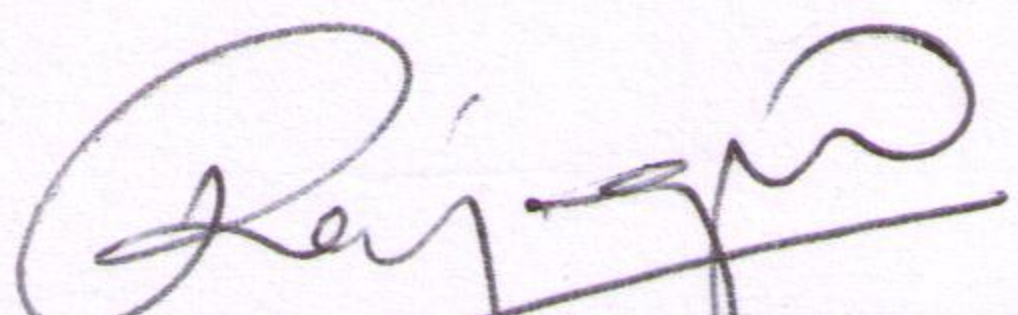
(Dr. S.Rajendiran)
SUBJECT EXPERT 1



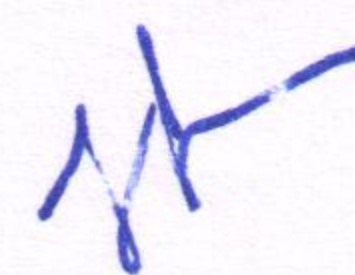
(Dr. K.Vijayakumar)
SUBJECT EXPERT 2



(Ms.D.Nivedhika)
ALUMNI



(Mr.G.Raja Ganesan)
INDUSTRY EXPERT



(Dr. G. Uma)
ANNA UNIVERSITY NOMINEE



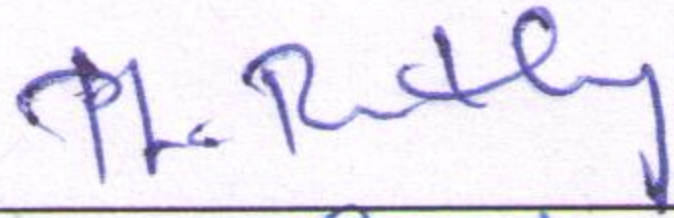
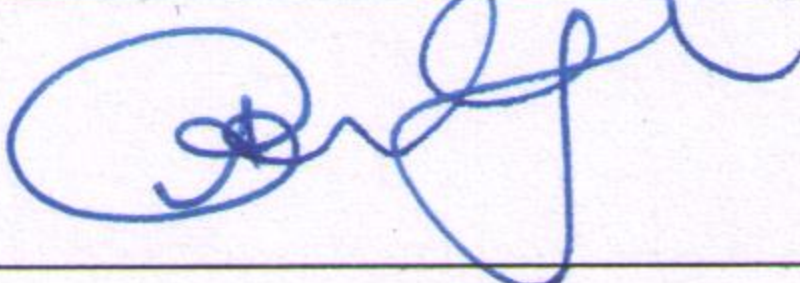
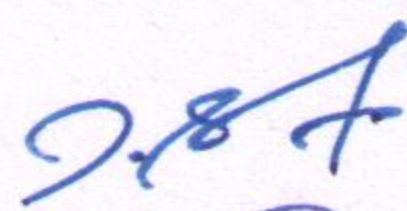
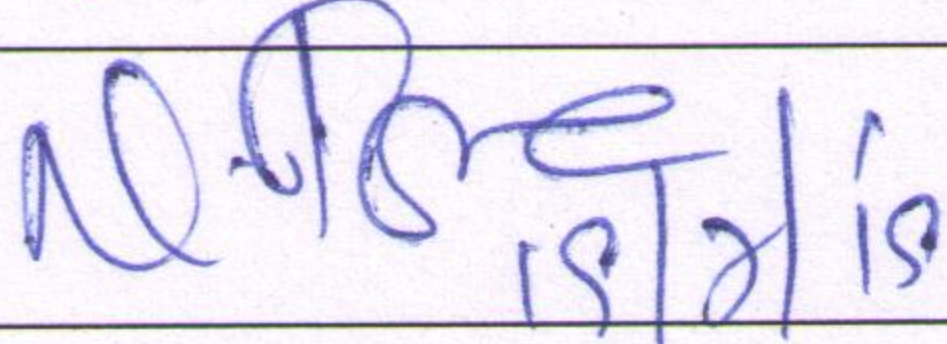
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First Board of Studies Meeting
Attendance Sheet

19.07.2019

S.no	Name	Designation	Signature
1	Dr. S. Nagarajan, Prof & HOD – EEE Jerusalem College of Engineering	Chairman	
2	Dr. G. Uma Prof & HOD – EEE CEG, Anna University	Anna University nominee	
3	Dr. S.Rajendiran Associate professor, EIE department, Pondicherry Engineering College, Pondicherry.	Subject expert	
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5	Mr. Raja Ganesh Director, Technical operation, VATIO Energy India PVT. Ltd	Industry	
6	Ms.D.Nivedhika, Graduate Engineer, Aptiv Components India PVT. Ltd. Bangalore	Post graduate Alumni	
7	Dr. S. Rama Reddy Professor & DEAN – EEE Jerusalem College of Engineering	Member	
8	Dr.Ramakrishnan COE, Jerusalem College of Engineering	Member	
9	Mr. S. Vinod Assistant Professor Jerusalem College of Engineering	Member	
10	Mr. G. Tarakaram Assistant Professor Jerusalem College of Engineering	Member	
11	Ms. Anuja Prashant Diwan Assistant Professor Jerusalem College of Engineering	Member	
12	Mr.ATamizhselvan Assistant Professor Jerusalem College of Engineering	Member	
13	Ms. S. Rudhra Assistant Professor Jerusalem College of Engineering	Member	

14	Ms. PL. Revathy Assistant Professor Jerusalem College of Engineering	Member	
15	Mr. J. Arul Prakash Assistant Professor Jerusalem College of Engineering	Member	
16	Mr. T. Siva Assistant Professor Jerusalem College of Engineering	Member	
17	Dr. N. Booma Professor – EEE Jerusalem College of Engineering	Member Secretary	 19/2/19