

## ELECTRICAL AND ELECTRONICS ENGINEERING

### MINUTES OF BOARD OF STUDIES IN EEE

01.02.2019

The Board of studies in Electrical and Electronics Engineering was held on 01.02.2019, at 10.00 AM, in the Seminar Hall, Department of EEE, Government College of Engineering, Salem – 636 011 to discuss and approve the Curriculum and Syllabi of Regulation 2018 for Under Graduate Programme Electrical and Electronics Engineering from III to VIII semester for the students admitted during 2018 – 2019 academic year and onwards and also to approve the syllabus of a special elective offered in the PG Programme. The following members were present:

S.No.	Name of the Committee Members	Designation in BOS
1	Dr.V.Geetha, Professor, EEE, GCE, Salem	: Chairman
2	Dr.P.Somasundaram, Professor, Dept. of EEE, CEG Campus, Anna Univeristy. Chennai	: University Nominee
3	Dr.K.K.Sasi, Professor, Dept. of EEE, School of Engineering, Amrita Univeristy, Coimbatore	: Subject Expert
4	Dr.N.Rajasekar, Dept. of Energy and Power Electronics, School of Electrical Engineering, VIT, Vellore	: Subject Expert
5	Dr.Viswanathan Kanagasabai Senior Engineer, General Electric, Bangalore	: Industry Representative
6	Er.Paul Rsaiya, Deputy Manager, HRM Electrical, SAIL,Salem Steel Plant, Salem	: UG Alumnus
7	Prof.S.Leema Mary, Associate Professor, Dept.of Mathematics, GCE, Salem	: Special Invitee
7	Dr.S.Senthil Kumar, Asso.PEEE	: Member
8	Dr.A.Ruby Meena, Asso.PEEE	: -do-
9	Dr.P.Karpagavalli, Asso.PEEE	: -do-
10	Dr.J.S.Christy Manoraj, Asso.PEEE	: -do-
11	Dr.D.Murali, Asso.PEEE	: -do-
12	Dr.C.Govindaraju, AP / EEE	: -do-
13	Prof.D.Ashokaraju, AP / EEE	: -do-
14	Prof. R.Sharmil Suganya, AP / EEE	: -do-
15	Dr.K.Logavani, AP / EEE	: -do-
16	Dr.T.R.Sumithira, AP / EEE	: -do-
17	Dr.S.Ganesan, AP / EEE	: -do-

The student members from III and IV year B.E.EEE were also present.

The Chairman welcomed the members of BOS and presented the Agenda. The BOS started with the discussions on Program Educational Objectives of B.E.EEE and was fine tuned as follows:

**PEO: (Programme Educational Objectives B.E. Electrical and Electronics Engineering)**

PEO1	:	Graduates will be employed electrical engineering profession as experts in solving electrical engineering problems by their depth of understanding in core electrical knowledge and/or completed/pursuing post graduate study or research.
PEO2	:	Graduates will have awareness for lifelong learning and continued professional development.
PEO3	:	Graduates will demonstrate creativity in their engineering practices including entrepreneurial and collaborative ventures with strategic thinking, planning and execution.
PEO4	:	Graduates will communicate effectively, recognize and incorporate societal needs and constraints in their professional endeavours and practice their profession with high regard to legal and ethical responsibilities.
PEO5	:	Graduates will have necessary foundation on computational platforms and software applications related to the field of electrical and electronics engineering.

Then the following discussions were made in the curriculum and syllabi:

Proposed / Suggested by		Topics discussed
Dr.K.K.Sasi, Er.Paul Rasaiya and Dr.P.Somasundaram	:	The contact hours for Electron Devices and Circuits should be 4 hrs. 1 credit should be added for tutorial. So total credit is 4.
Dr.P.Somasundaram	:	Instead of 4 credits, 3 credits can be for Electromagnetic field theory. 4 credits can be given to DC Machines and Transformers.
Dr.J.S.Christy Manoraj and Dr.A.Ruby Meena	:	Electromagnetic field theory is given more importance in GATE exams. Hence, credit for DC Machines and Transformers is retained as 3 and it was accepted by all members.
Dr.P.Somasundaram Er.Paul Rasaiya	:	Engineering Mechanics can be shifted from semester III to semester IV and Biology for Electrical Engineers can be shifted to Program Elective list.

Dr.V.Geetha and Dr.K.K.Sasi	:	In semester IV, for both theory and laboratory, the subject title should be changed as Analog and Digital Integrated Circuits instead of Integrated Circuits.
Dr.Viswanathan	:	In semester V, 4 credits is necessary for Control systems (3 Lecture and 1 Tutorial = Total 4 credits)
Dr.P.Somasundaram	:	In VI semester, Electric Drives and Control should be the second subject. Power system Analysis and Stability should be included as first subject in semester VI.
Dr.N.Rajasekar	:	Electric Drives and Control Lab can be introduced in the VII semester as the Miniproject and Seminar is in the semester VI.
Dr.K.K.Sasi and Dr.Viswanathan	:	Open Elective 3 should be shifted to semester VII.
Dr.P.Somasundaram	:	Why Miniproject and Seminar is not included in VII semester?
Dr.V.Geetha	:	In the semester VII, the students concentrate on Placements, therefore, Miniproject and Seminar is introduced in the semester VI instead of semester VII. Moreover, it helps the students in enhancing their technical skills and knowledge to face job interviews.
Dr.K.K.Sasi	:	The title should be changed as Miniproject instead of Miniproject and Seminar as Seminar is a part of it.
Dr.P.Somasundaram and Dr.N.Rajasekar	:	Power System Protection and Switchgear can be moved to semester VII as additional core subject from Program Elective list.
Dr.V.Geetha	:	The contact hours for Power system Lab shall be 3 hrs. instead of 4 hours. Hence, credit is 1.5
Dr.Viswanathan	:	Power System Protection and Swithgear is replaced with Biology for Electrical Engineers in the list of Program Electives.
Dr.K.K.Sasi and Dr.P.Somasundaram	:	The program elective 5 should be shifted from semester VII to semester VIII.
Dr.K.K.Sasi	:	Computer Architecture should be replaced with Power Quality in Program Elective list.
Dr.N.Rajasekar	:	Distributed Generation and Micro Grid shall be added in the Program Elective list.
Dr.P.Somasundaram and Dr.Viswanathan	:	Soft Computing and Machine Learning should be included in the program elective list.
Dr.P.Somasundaram Er.Paul Rasaiya	:	The subject title, Control System Design shall be changed as Discrete Control System.
Dr.P.Somasundaram	:	The subject, Power system Dynamics and control should be replaced by Restructured Power System.
<b>Other matters (2016 Regulation)</b>		
Dr.V.Geetha Dr.C.Govindaraju	(a)	In 2016 Regulation, Energy Auditing, a one credit course is being offered in the VI semester for EEE students. The content of the above subject was reviewed and ratified.

Dr.V.Geetha Dr.K.Logavani	(b)	In 2016 Regulation, the subject 16EE801 Electrical Energy Utilisation, Conservation and Energy Auditing is renamed as Utilisation of Electrical Energy.
Special Elective		
Dr.V.Geetha		In 2018 Regulation the subject 18PESE1 Pattern Recognition was introduced as special elective in the PG programme and the syllabus was reviewed and approved.

After going through the proposed syllabi content the members appreciated the efforts of the faculty members and approved the proposed curriculum and syllabi ( from third to eight semesters) of the UG-EEE under 2018 Regulation. The Chairman thanked all the members and the meeting came to an end by 2.15 PM.

HOD - EEE

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Chairman / BOS in EEE