



## GOVERNMENT COLLEGE OF ENGINEERING, SALEM-636011

(An Autonomous Institution affiliated to Anna University, Chennai)

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### Minutes of Board of Studies Meeting:

The Electrical and Electronics Engineering Board of Studies meeting was held on 29.08.2018 (Wednesday) at 10.00 am in the Department Seminar Hall.

#### The following members were present:

Heads	Name
Chairman	: Dr. V.Geetha, Professor & Head / EEE
Members	: 1. Dr.S.Senthil Kumar, AP/EEE 2. Dr.A.Ruby Meena, AP/EEE 3. Dr.P.Karpagavalli, AP/EEE 4. Dr.J.S.Christy Mano Raj, AP/EEE 5. Dr.D.Murali, AP/EEE 6. Dr.C.Govindaraju, AP/EEE 7. Prof.D.Ashokaraju, AP/EEE 8. Prof.R.Sharmil Suganya, AP/EEE 9. Dr.K.Logavani, AP/EEE 10. Dr.T.R.Sumithira, AP/EEE 11. Dr.S.Ganesan, AP/EEE
Two Subject Experts	: 1. Dr.K.K.Sasi, Professor, Electrical and Electronics, School of Engineering, Amrita University Coimbatore.  2. Dr.N.Rajasekar, Professor, Department of Energy and Power Electronics, School of Electrical Engineering, VIT, Vellore
One Industry Representative	: Dr.Viswanathan Kanagasabai Senior Engineer, GE global research, GE India Industrial Private Limited, Plot 122, Epip phase 2, White field road, Bangalore – 560066
One PG Alumnus	: Mr.Y.Paul Rasaiya, Assistant Manager, Steel Authority of India Limited, Salem

Dr.S.Usa, Professor, Department of Electrical and Electronics Engineering, Anna University, Chennai conveyed her unavailability over phone to the BOS Chairman due to her prior commitments.



Dr.V.Geetha, Chairman of the board welcomed the BOS members. The following agenda was presented to the members of the board for discussion.

### **UG Programme- Electrical and Electronics Engineering**

#### **B.E. Full Time**

The curriculum for first semester pertaining to the new AICTE Model Curriculum - 2018 was presented.

#### **PG Programme - M.E. Power Electronics and Drives (Full Time)**

The curriculum for first to fourth semester including the list of electives pertaining to the new AICTE Model Curriculum - 2018 was presented.

The syllabus for first semester to fourth semester including the electives pertaining to the new AICTE Model Curriculum - 2018 was presented.

### **RESOLUTIONS AND DECISIONS**

Based on meticulous discussion, the following resolutions are arrived at.

1. Vision and Mission of Department, PEO's and PSO's for PG programme were fine tuned.
2. PG-Curriculum was approved.

Core:

3. Dr.K.K.Sasi and Dr.Viswanathan Kanagasabai suggested that Power Electronic Devices and Components subject shall be included in the first semester. They also suggested the following modifications.
  - Chapter 1 & 2 to include PE devices and gate driver circuits, Chapter 2 – losses and thermal design, chapter 3 – transformers and inductors, chapter 4 – magnetics , chapter 5 – capacitors.
4. Dr.Viswanathan Kanagasabai & Dr.K.K.Sasi recommended to combine Analysis of power converters and Analysis of Inverters into one subject as Analysis of Power Converters and to be offered in the first semester. Also they recommended to merge Solid State AC Drives and Solid State DC Drives into one subject as Modern Electric Drives with contents as follows : 2 units in DC drives and 2 units in induction drives and one unit in synchronous drives and shall be offered in second semester.
5. Dr.N.Rajasekar and Dr.Viswanathan Kanagasabai also suggested to include Advanced Power Electronics Lab-I and Advanced Digital Control Laboratory in first semester.
6. Mr.Y.Paul Rasaiya and Dr.N.Rajasekar recommended to add Advanced Power Electronic Circuits and Advanced Micro-Controller Based System Design as electives during first semester.
7. All Bos External members recommended moving Modeling and Analysis of Electrical Machines from elective list to core.
8. Dr.K.K.Sasi advised to remove the Advanced Power Quality lab and suggested to include those experiments in other suitable laboratory courses.



9. Dr.Viswanathan Kanagasabai explained the recent developments in processor and suggested to add DSP-320F28335 as main content in DSP for power converters subject. He also recommended that one unit can be of FPGAs and CPLDs.
10. The external members also recommended removing the Digital Control of Power Electronic Converter subject from the elective list.
11. All BOS members finalized to include Intelligent based control concept in either Advanced Electric Drives course or Analysis of Power converters course as one of the units.
12. Dr.Viswanathan Kanagasabai suggested to identify the industry people through the alumni for guest lectures, inplant trainings and internship programmes. He further added that alumni holding high positions in industry shall conduct courses for the benefit of students.
12. All the members appreciated for the exhaustive list of electives included in the PG-Power Electronics and drives programme of study that enable the students for better employability and future research activities.

After detailed discussion, the Chairman BOS-EEE thanked all the members of the Board and the meeting came to an end by 2.45 P.M.

*V. hettler*

**BOS Chairman-EEE & PEEE**