

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
GOVERNMENT COLLEGE OF ENGINEERING, BARGUR – 635104
 (An Autonomous Institution Affiliated to Anna University, Chennai)

Minutes of the Fourth Board of Studies meeting of Electrical and Electronics Engineering held on 05th December 2018 at Government College of Engineering, Bargur.

The Fourth Board of studies meeting of Electrical and Electronics Engineering for the B.E (EEE) Full Time and B.E (EEE) Part Time Degree programs from the academic year 2018-2019 onwards [Regulation 2018] was convened as per AICTE model Curriculum and held on 05th December 2018 in the Seminar Hall of Electrical and Electronics Engineering, Government College of Engineering, Bargur. The following members were present during the meeting.

S.No.	Name	Affiliation
1.	Dr. S.Baskar	University nominee, Professor and Head, Department of EEE, Thiagarajar College of Engg., Madurai-625015
2.	Dr.YR Manjunatha	Subject Expert, Associate Professor, Dept.of Electrical Engg., University Visvesvaraya College of Engineering, Bangalore University, KR Circle,Bangalore-560001 Karnataka.
3.	Er.Imayavaramban RM	Representative from Industry Manager-Field Application Engineering, Storage & Electronic Devices Solutions Division, Toshiba India Private Limited, Prestige Terraces, 2nd Floor, #5/1, Union Street,Bangalore-560 001, Karnataka.
4.	Er. M.Malayappan,M.E.,	Alumnus, Director,Pantech Prolabs India Pvt Ltd, 41, Rajeswari Street,Santosh Nagar, Kandanchavadi,Chennai – 600096.
5.	Dr.Nishat Kanvel	Chairman Professor/HOD, EEE, GCE, Bargur.
6.	Prof.K.Mohan	Internal Member , Assistant Professor, EEE, GCE, Bargur

7.	Prof.A.Thangaraj	Internal Member, Assistant Professor, EEE, GCE,Bargur
8.	Prof.V.Arivumani	Internal Member, Assistant Professor, EEE, GCE,Bargur
9.	Dr.I.Thangaraju	Internal Member, Assistant Professor, EEE, GCE,Bargur

S.No.	EX OFFICIO MEMBERS
1.	PRINCIPAL, GCE,BARGUR
2.	CONTROLLER OF EXAMINATIONS, GCE,BARGUR


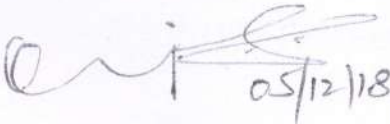
The following member has expressed unable to attend the meeting due to prior commitment to other works.



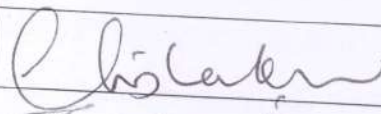
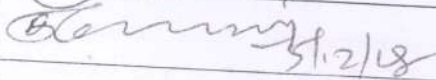
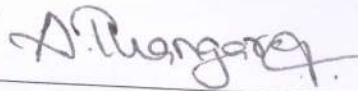

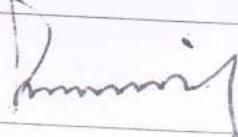
S.No.	NAME	ADDRESS	AFFILIATION
1.	Dr. S.Subramaniam	Professor/EEE, Faculty of Engineering, Annamalai University. Chidambaram-608002	Subject Expert
2.	Dr.J.S.Christy Manoraj	Assistant Professor/EEE, Govt. College of Engg., Salem - 636011.	Subject Expert
3.	Dr.R.Francis	Assistant Professor, EEE, GCE, Bargur	Internal Member
4.	Dr.V.Adhimoorthy	Assistant Professor, EEE, GCE, Bargur	Internal Member
5.	Dr.K.Asokan	Assistant Professor, EEE, GCE, Bargur	Internal Member

The following points were discussed among Board of Studies members and got passed.

- Board of members suggested that the all program outcomes of the subjects are to be modified.
- In Synchronous and Asynchronous Machines subject, units are rearranged.
- In Linear Integrated Circuits and Applications, F2V Converter is added in Unit-II.
- In Measurements and Instrumentation subject, TFT, OLED added in Unit-IV.
- In Synchronous and Asynchronous Machines Laboratory, experiments are rearranged.
- In Linear and Digital Integrated Circuits Laboratory, study is removed in Exp. no.7 and Differential Amplifier is added in Exp.no.9.
- In Control Systems subject, Control Systems Engineering by Nagrath and Gopal is added and text books and reference books are rearranged.
- In Microprocessors, Microcontrollers and Applications, "Fundamentals of Microprocessor and Microcontrollers" by B.Ram is added as text book and the textbooks are rearranged.
- In Control and Instrumentation Laboratory, Modelling of Systems is done in Transfer function and State space analysis approach and Process simulation experiment is added in Control Systems experiments.
- In Power Electronics, Single phase voltage source Inverter is removed and AC-AC Converter is added in Unit-IV. Three phase voltage source Inverter is removed and Inverters is added in Unit-V. SMPS (Fly back, Forward and half bridge methods) is added in Unit-II.
- In Power Electronics Laboratory, Exp.no.10 is removed and Cycloconverter experiment is added.
- In Fundamentals of Digital Signal Processing, text books and reference books are separated.
- Applied Soft Computing, Perceptron Network is added in Unit-I.
- In Wind and Solar Energy Systems, "Non-Conventional Energy Sources" by G.D.Rai is added as reference book. NPTEL videos are added as reference.
- In Biomedical Instrumentation, neurosky.com website is added as reference.
- In Advanced Control System, Lyapunov and Popov Stability is added in Unit-III.
- In Power Quality and FACTS, Power factor correction methods are added.
- In Computer Aided Design of Electrical Apparatus, practical experiments are added.
- Industrial Electrical Systems title is changed to Electrical Installation Systems.
- In Reliability Engineering, "Reliability Engineering" by L.S.Srinath is added as textbook and change the contents of the syllabus.
- In Power Electronics and Drives, IGCT, GAN, SiC and IEGT are removed from Unit-I. DC and AC Drives is added in Unit-IV. Drive characteristics is moved to Unit-V. Stepper and Servo drives is added in Unit-IV.
- PCB Design and Fabrication in one credit course, lecture hours are changed to practical 2 hours and total periods are 30 hours.
- Basic Electrical and Instrumentation Engineering in B.E.-ECE (FT), production of Torque is added in Unit-III.
- Basic Control Systems Engineering in B.E.-ECE (FT), the title is changed as "Control Engineering."

- B.E. (EEE)-FT, Third to Eighth Semester Syllabi for core subjects, Professional Electives, Open Electives and One credit courses as per AICTE model Curriculum are passed.
- B.E. (EEE)-PT, Third to Eighth Semester Syllabi for core subjects, Professional Electives are passed.
- Syllabi for B.E (ECE) III Semester Basic Electrical and Instrumentation Engineering [Theory] and Electrical Engineering Laboratory [Practical] are passed.
- Syllabi for B.E (ECE) IV Semester Control Engineering [Theory] is passed.
- BoS members recommended to include Soft Skills and Personality Development Laboratory [Practical] with 2 credits in IV Semester B.E (EEE)-FT curriculum and passed.
- 18EES309- Object Oriented Programming Laboratory [Practical] with a credit of 2 is added in semester III B.E (EEE)-FT Curriculum and ratified.
- 18EPC507-Project I / Summer Internship with a credit of 1.5 is added in Semester-V B.E (EEE)-FT Curriculum and ratified.
- 18EPC708-Project II with 4 credits is added in Semester VII B.E (EEE)-FT Curriculum and ratified.
- 18EEE803-Project with 10 credits in Semester VIII B.E (EEE)-FT Curriculum is modified as Project III with 6 credits and ratified.
- 18EPC702-Digital Signal Processing [Theory] is renamed as Fundamentals of Digital Signal Processing in semester VII B.E (EEE)-FT Curriculum.
- 18EPE017-Internet of Things is removed from Professional Electives in B.E (EEE)-FT Curriculum and ratified.
- Total Credits for B.E (EEE)-FT curriculum is changed from 160 credits to 165 credits and ratified.

S.No.	Name	Signature
1.	Dr. S.Baskar, University Nominee, Professor and Head, Department of EEE, Thiagarajar College of Engg.,Madurai-625015.	
2.	Dr. YR Manjunatha, Subject Expert, Associate Professor, Dept.of Electrical Engg., University Visvesvaraya College of Engineering,Bangalore University, KR Circle,Bangalore-560001	 05/12/18

3.	Er.Imayavaramban RM Manager-Field Application Engineering, Storage & Electronic Devices Solutions Division, Toshiba India Private Limited, Prestige Terraces, 2 nd Floor, #5/1, Union Street, Bangalore- 560001, Karnataka.	
4.	Er. M.Malayappan, M.E., Alumni Director, Pantech Prolabs India Pvt Ltd, 41, Rajeswari Street, Santosh Nagar, Kandanchavadi, Chennai - 600096.	
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8.	Prof. V. Arivumani, Internal Member Assistant Professor, EEE, GCE, Bargur.	
9.	Dr. I. Thangaraju, Internal Member Assistant Professor, EEE, GCE, Bargur	


CHAIRMAN 5/12/18

BOARD OF STUDIES FOR EEE