

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

Minutes of the Third Board of Studies meeting of Electrical and Electronics Engineering held on 17th August 2018 at Government College of Engineering, Bargur.

The Third Board of studies meeting of Electrical and Electronics Engineering for the B.E (EEE) Full Time, B.E (EEE) Part Time and M.E (Power Electronics and Drives) Degree program from the academic year 2018-2019 onwards was convened as per AICTE model Curriculum and held on 17th August 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.	Dr. J.S.Christy Manoraj	Subject Expert, Assistant Professor/EEE, Govt. College of Engg., Salem-11.
4.	Er. M.Malayappan,M.E.,	Alumnus, Director,Pantech Prolabs India Pvt Ltd, 41, Rajeswari Street,Santosh Nagar, Kandanchavadi,Chennai – 600096.
5.	Prof.K.Mohan	Chairman, Assistant Professor/HoD, EEE, GCE,Bargur
6.	Prof.A.Thangaraj	Internal Member, Assistant Professor, EEE, GCE,Bargur
7.	Prof.M.Bhavani	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

10.	Prof.P.Sakthivel	Internal Member, Assistant Professor, EEE, GCE,Bargur
11.	Dr.R.Francis	Internal Member, Assistant Professor, EEE, GCE, Bargur
12.	Dr.V.Adhimoorthy	Internal Member, Assistant Professor, EEE, GCE, Bargur
13.	Dr.K.Asokan	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.	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-560 001, Karnataka.	Representative from Industry

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

- In B.E (EEE)-FT curriculum Basic Electrical Engineering [Theory] and Basic Electrical Engineering Lab in Second Semester are replaced by Electric Circuit Analysis [Theory] and Electric Circuits Lab as BoS considered the content of Basic Electrical Engineering [Theory] and Basic Electrical Engineering Lab are repetition in higher semester.
- In B.E (EEE)-FT curriculum Third Semester Measurements and Instrumentation [Theory] is replaced by Object Oriented Programming [Theory], DC machines and

Transformer [Theory] & DC machines and Transformer Laboratory are placed in Third Semester instead of fourth semester.


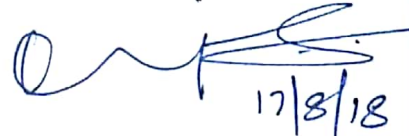
- In B.E (EEE)-FT curriculum Synchronous and Asynchronous machines [Theory] & Synchronous and Asynchronous machines Lab are shifted from Fifth to Fourth semester. Measurements and Instrumentation [Theory] is shifted from Third Semester to Fourth semester instead of Object Oriented Programming [Theory].
- In B.E (EEE)-FT curriculum Microprocessor ,Microcontroller and Applications[Theory] is shifted from sixth semester to Fifth semester and Microprocessor ,Microcontroller and Applications Lab is shifted from Seventh semester to Fifth semester.
- In B.E (EEE)-FT curriculum, Mini project lab is added with 2 credits in sixth semester.
- In B.E (EEE)-FT curriculum, an additional subject Digital signal Processing is added in Seventh Semester.
- In B.E (EEE)-FT curriculum, Smart Grid subject is added in Professional Elective from open elective.
- In B.E (EEE)-FT curriculum Reliability Engineering & Disaster management and Mitigation are added as open elective subjects.
- In B.E (EEE)-FT curriculum, in addition to prescribed open elective subjects, students can opt for NPTEL courses or any other online courses which are not studied in their regular subjects as open Elective subjects.
- In B.E (EEE)-PT curriculum, Measurements and Instrumentation [Theory] in Second Semester is replaced by DC machines and Transformer.
- In B.E (EEE)-PT curriculum, Synchronous and Asynchronous Machines [Theory] & Electrical Machines Lab are shifted from Fourth semester to Third Semester. Control and Instrumentation Lab is shifted from Third Semester to Fourth Semester. Measurements and Instrumentation [Theory] is added in Fourth semester from second semester.
- In B.E (EEE)-PT curriculum ,in Fifth semester High Voltage Engineering [Theory] is shifted to Sixth Semester and Power Operation and Control[Theory] is shifted to Fifth semester instead of High voltage Engineering[Theory].In Fifth Semester Power Electronics Lab is renamed as Power Electronics and Power System Lab.



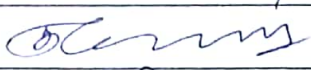

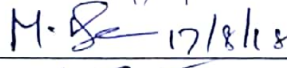
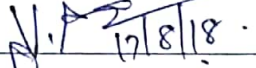

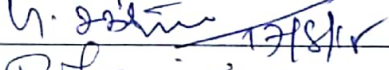



- In M.E (PED) Curriculum, in first semester instead Electric Drives System [Theory], Power Semiconductor devices is added as core subject. Electric Drives System [Theory] is kept in Professional Electives.
- In M.E (PED) Curriculum, Power Electronic converter [Theory] name is changed as Power Electronic converters and DC drives [Theory]. The name of Drives Laboratory is changed to Power Electronic converters and DC drives Lab. The name of Power Electronics Laboratory is changed to Advanced Power Electronics Lab.
- In M.E (PED) Curriculum, in Second Semester Power Quality [Theory] is removed from core subject and kept as Professional Elective. Instead of This subject Inverter and AC drives [Theory] & Inverter and AC drives Laboratory are added. Power Quality Lab is removed. Digital Signal Processing Lab is renamed as Digital Control of Power Electronic System Lab.
- In M.E (PED) Curriculum, in Third semester Major Project Dissertation I is renamed Project Phase I and in fourth semester, Major Project Dissertation II is renamed as Project Phase II.
- In M.E (PED) Curriculum, Optimal and Adaptive control from professional Elective is removed as this subject is not relevant for PED students.
- In M.E (PED) Curriculum, in Open Elective, Machine Learning and Electromagnetic Interference and Compatibility subjects are added.
- In Basic Electrical Engineering, Elementary analysis is sufficient in Electrical Machines unit for Mechanical and CSE students. In Unit-IV, Speed control of separately excited DC motor Separately Excited word is omitted and renamed as Speed control of DC motor.
- In Basic Electrical Engineering Laboratory [For I semester CSE & Mech] Experiment no.2.a Measurement of waveforms in CRO is renamed as Measurement of waveforms parameters using CRO. Experiment no.7 Torque speed characteristics of Separately Excited DC motor is replaced by Torque speed characteristics of DC shunt motor. Experiment no.8d Generator operation of induction machine driven at super synchronous speed is removed. Experiment no.9 Load test on synchronous generator is removed.
- For UG (EEE-FT&PT), in Electric Circuit Analysis [Theory] unit-III name is changed as Transient Analysis of Electric Circuits instead of Solution of First order and second

order networks. DC and AC Circuits basic content is added in first Unit. Three phase circuit analysis is added in second unit.

- For UG (EEE-FT&PT), in Analog Electronics [Theory] subject Text books “Electronic Devices and Circuits” authored by David bell & “Linear integrated Circuits” by Roy Chaudhary are added.
- For UG (EEE-FT&PT), in Digital Logic Circuits [Theory] “Logic Design” by Sudhakar Samuel is added as text book.
- In Digital control of Power Electronics and Drives System [Theory], the whole content of syllabus and unit titles has been changed to the requirements of subject title.
- In Advanced Power Electronic Circuits subject, Title has been given for all units suited for content of syllabus.
- In Soft computing subject, syllabus is modified as per curriculum 2017.
- In solar and Energy Storage [Theory], Grid connected issues added in Unit III
- Power Semiconductor Devices [Theory], unit IV other Gate controlled devices are added.
- In Switched mode and Resonant Converter, Unit II title is changed as Ferrite Transformer instead of Transformer.
- Advanced Digital Signal Processing subject is changed to Digital Signal Processing and Content has been changed.
- Advanced Microcontroller based systems title is changed to Microcontroller based systems. In unit II, Intel 8051, 8056 are deleted and ATMEGA processor is added.
- In Microcontroller based systems, unit-V, digital signal processor architecture, programming, introduction to FPGA, are deleted. Microprocessor based Power Converter and Inverter applications are added.
- In distributed Generation subjects units are re arranged.

- B.E. (EEE)-Full Time, First to Eighth Semester Curriculum, Professional Electives, Open Electives and One credit courses as per AICTE model Curriculum are passed.
- B.E. (EEE)-Part Time, First to Seventh Semester Curriculum and Professional Electives are passed.
- M.E. (PED) First to Fourth Semester Curriculum, Professional Electives, Open Elective Courses and Audit Courses as per AICTE model Curriculum are passed.
- Basic Electrical Engineering [Theory], Basic Electrical Engineering Laboratory Syllabi [Common for Mechanical & CSE (I Semester)] are passed.
- Electric Circuit Analysis (Theory) & Electric Circuits Lab for II semester B.E (EEE-FT) & Electric Circuit Analysis (Theory) for I semester B.E (EEE-PT) are passed.
- Second Semester B.E (EEE-PT) Electrical Subjects Syllabi are passed.
- Syllabi for Core Subjects, Professional Electives, Open Elective Courses and Audit Courses of M.E (PED) for All Semesters are passed.
- Panel of Examiners for UG (EEE-FT&PT) & PG (PED) Subjects offered in III semester for Regulations 2017 are passed.

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2.	Dr. YR Manjunatha, Subject Expert, Associate Professor, Dept. of Electrical Engg., University Visvesvaraya College of Engineering, Bangalore University, KR Circle, Bangalore-560001 Karnataka.	 17/8/18

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CHAIRMAN
17/8/18

BOARD OF STUDIES FOR EEE