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SETHU INSTITUTE OF TECHNOLOGY

Pulloor, Kariapatti – 626 115

(An Autonomous Institution)





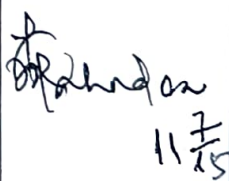


Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING MINUTES OF THIRD BOARD OF STUDIES MEETING

DATE: 11.07.15

The Third Board of Studies meeting for Department of Electrical and electronics Engineering is held on 11.07.15 in EEE seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members are present.

S. No.	NAME OF THE MEMBERS	DESIGNATION & CONTACT ADDRESS	POSITION	SIGNATURE
1	Dr.M.Santhi	Prof & Head/EEE, SIT-Kariapatti.	Chairman	 11/7/15
2	Dr.R.Rajeswari (University Nominee)	Assistant Professor (Senior Grade) Department of Electrical and Electronics Engineering, Government college of Technology, Thadagam Rd, PN Pudur, Coimbatore, Tamil Nadu 641013	Member nominated by VC	 11/7/15
3	Dr. K Mahadevan (External Expert nominated by Academic Council)	Professor Department of Electrical and Electronics Engineering PSNA College of Engineering & Technology, Kothandaraman Nagar, National Highway 209, Dindigul, Tamil Nadu – 624622	Member	 11/7/15
4	Dr.H.Habibullah sait (External Expert nominated by Academic Council)	Assistant Professor Department of Electrical and Electronics Engineering BIT campus, Tiruchirapalli Tamil Nadu – 620024	Member	
5	Dr.S.Uma Shankar (External Expert nominated by Academic Council)	Associate Professor School of Electrical Engineering VIT University, Near Katpadi Rd, Vellore, Tamil Nadu 632014.	Member	 S. Umashankar

S. NO	NAME OF THE MEMBERS	DESIGNATION & CONTACT ADDRESS	POSITION	SIGNATURE
6	Dr.K.Adalarasu (External Expert nominated by Academic Council)	Professor, Department of Electronics and Communication Engineering, PSNA College of Engineering and Technology, Dindugal-624622	Member	K. Adalarasu
7	Mr.R.Rajesh Kumar (Expert from Industry Relating to Placement)	Manager-HR Technical, Elgi Equipments Limited Trichy Road, Singanallur, Coimbatore-641 005.	Member	Rajesh Kumar
8	Mr.K.Aravindhan (Under Graduate Alumni)	Proprietor, P.M.K Engineering Services, Avaniyapuram, Madurai - 625012	Member	K. Aravindhan

FACULTY MEMBERS OF THE DEPARTMENT.

SL NO	NAME OF THE FACULTY	DESIGNATION	POSITION	SIGNATURE
1.	Dr.A.SRINIVASAN	PROFESSOR	Member	A. Srinivasan
2.	Mr.B.MEENAKSHI SUNDARAM	ASSOCIATE PROFESSOR	Member	B. Meenakshi Sundaram
3.	MRS.G.SOUNDRA DEVI	ASSOCIATE PROFESSOR	Member	G. Soundra Devi
4.	Mrs.C.RAJESWARI	ASSOCIATE PROFESSOR	Member	C. Rajeswari
5.	Mrs.J.RAHILA	ASSOCIATE PROFESSOR	Member	J. Rahila
6.	Mrs.C.KOKILA	ASST.PROF(SR.GRADE)	Member	C. Kokila
7.	Mrs.K.RADHA LAKSHMI	ASSOCIATE PROFESSOR	Member	K. Radha Lakshmi
8.	Mr.J.KUMARESAN	ASST.PROF(SR.GRADE)	Member	J. Kumaresan
9.	Mr.G.VARATHAN	ASST.PROF(SR.GRADE)	Member	G. Varathan
10.	Mr.A.RAMARAJ	ASST.PROF(SR.GRADE)	Member	A. Ramaraj
11.	Mr.S.SRINIVASAN	ASST.PROF(SR.GRADE)	Member	S. Srinivasan
12.	Mrs.J.JEYASANTHI	ASST.PROF(SR.GRADE)	Member	J. Jeysanthi
13.	Mr.V.KANNAN	ASST.PROF(SR.GRADE)	Member	V. Kannan
14.	Ms.S.INDUMATHI	ASST.PROF(SR.GRADE)	Member	S. Indumathi
15.	Mrs.M.VETRISELVI	ASST.PROF(SR.GRADE)	Member	M. Vetriselvi
16.	Mrs.R.C.DHIVYA @ RAMCELLA	ASST.PROF(SR.GRADE)	Member	R. C. Dhivya
17.	Mrs.K.ALAGU SOUNDARI	ASST.PROF(SR.GRADE)	Member	K. Alagu Soundari
18.	Mrs.V.HEMA MAHESWARI	ASST.PROF(SR.GRADE)	Member	V. Hema Maheswari

SE NO	NAME OF THE FACULTY	DESIGNATION	POSITION	SIGNATURE
19.	Mrs.ELAMATHY	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
20.	Mrs.P.SARAI ADEVI	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
21.	Ms.MEENAI OCHINI	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
22.	Ms.S.ROHINI	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
23.	Mr.S.KANNADASAN	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
24.	Mr.B.KARTHIKEYAN	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
25.	Mr.M.PAI PANDIAN	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
26.	Mr.M.RAMUVEL	ASST.PROF(SR.GRADE)	Member	<i>[Signature]</i>
27.	Mr.M.MUHAMMED ALAUDEEN	ASST.PROF	Member	<i>[Signature]</i>
	ASHIQ	ASST.PROF	Member	<i>[Signature]</i>
28.	Ms.C.SONIA	ASST.PROF	Member	<i>[Signature]</i>
29.	Ms.V.S.CHITHRA	ASST.PROF	Member	<i>[Signature]</i>
30.	Mrs.N.KARTHIGA	ASST.PROF	Member	<i>[Signature]</i>
31.	Ms.KOKILA VANI	ASST.PROF	Member	<i>[Signature]</i>
32.	Mr.G.SENTHIL KUMAR	ASST.PROF	Member	<i>[Signature]</i>
33.	Mr.S.GOPI	ASST.PROF	Member	<i>[Signature]</i>
34.	Mr.K.JEYAKANTH	ASST.PROF	Member	<i>[Signature]</i>
35.	Mr.S.VIGNESHWARAN	ASST.PROF	Member	<i>[Signature]</i>
36.	Ms.L.JEGATHA	ASST.PROF	Member	<i>[Signature]</i>
37.	Ms.E.KALAIARASI	ASST.PROF	Member	<i>[Signature]</i>

The Chairman welcomed the members and presented the proposed Curriculum and Syllabi to be followed from the academic year 2015-16 under Autonomous Regulations R-2015 for B.E. Electrical and Electronics Engineering and M.E. Power Electronics and Drives (Full Time & Part Time).

B.E. Electrical and Electronics Engineering – 2015-16 under Autonomous Regulation:

The members discussed thoroughly the new curriculum and Syllabi for B.E. Electrical and Electronics Engineering to be followed from the academic year 2015-16 under autonomous regulation and offered useful suggestions.

- Vision and Mission of our department have been changed and approved in order to meet our college mission.
- Based on the suggestions given by NBA expert committee, Programme Educational Objectives and Programme Outcomes of UG and PG Programmes were redefined and approved by the BOS members.
- Feedback from stakeholders regarding curriculum and syllabi were analyzed with the BOS members
- Mapping of Curriculum components with PEOs and POs and Mapping of Curriculum and syllabi with Programme Specific Criteria were presented and analyzed
- Problem based learning and Project based learning courses were presented and discussed

Dr.R.Rajeswari suggested that:

- The course titled "Smart Grid Technology" may be included in the Programme Electives, since it is more recent and important area in the electrical field.
- The course titled "Non-Conventional Energy Resources" may be removed in the list of Programme Electives, since the contents of the same is offered in the Open Electives.
- More number of EEE oriented subjects may be offered as Open Electives.
- The contents in the "Solid State Relays" are mostly obsolete, so that it may be replaced as "Numeric Relays".
- "Power Plant Engineering" course may be renamed as "Power System Generation" to avoid repetition of same course title across the Programmes.
- The 60% of the "Industry Involved Courses" may be handled by the Industrial Experts and the remaining 40% may be handled by the Internal Faculty Members.

Mr.R.Rajesh Kumar suggested that:

- A new course titled “Automobile Electronics” may be included in the list of Industry Involved Courses.
- The “Power Quality” course may be offered as Professional Core, since it plays a vital role in the area of power system.

Dr. K Mahadevan suggested that:

- Advanced Learners may be identified and provided with the Degree as “BE –Honours”
- The practical component may be improved in the syllabus.

Dr.H.Habibullah said suggested that:

- PLC based speed control experiments may be included in the syllabus of the course “Advanced Electric Drives and Control Laboratory”
- The courses in the professional electives named “Battery Technologies” and “Bio Medical Engineering” can be replaced by the courses “Distributed Generation and Micro grid” and “Power System Dynamics”.

Dr.S.Uma Shankar suggested that:

- The percentage of practical knowledge may be still improved in the syllabus.
- Massive online open courses may be offered with credits.
- A new course titled “Electric Vehicles” and “Deregulation and Restructured Power System” may be included in the list of Professional Electives.

Dr.K.Adalarasu suggested that:

- Data structure related subject may be included in the curriculum

Mr.K.Aravindhan suggested that:

- Solar based Industry Involved Courses may be included

The Board of Studies of Department of Electrical & Electronics Engineering approves and recommends the Curriculum and Syllabi of B.E. Electrical & Electronics Engineering to be followed from the academic year 2015-16 under autonomous regulations 2015 with the above modifications.

M.E. Power Electronics and Drives (Full Time & Part Time) – 2015-16 under Autonomous Regulation:

The members discussed thoroughly the new curriculum and Syllabi for M.E. Power Electronics and Drives (Full Time & Part Time) to be followed from the academic year 2015-16 under autonomous regulation and offered useful suggestions.

Based on the suggestions given by the members, the following resolutions are made:

- One Core Course (15PPE204 – Internship /Industrial Training) is newly introduced in the curriculum.
- Open Elective is newly included in the curriculum
- Two electives are removed from our 2014 Autonomous regulation and two new electives are added in 2015 Autonomous regulation
- The newly added electives are,
 - 15PPE517- Nanomaterials and Energy Systems.
 - 15PPE524- Optimization Techniques in Power Electronics and 15PPE604 - Soft Computing
- Some core & elective subject syllabuses are modified from R2014 Autonomous Syllabus as follows,

S. No	Name of the Courses	Modification
1.	Analysis of Electrical Machines	Performance analysis of three phase squirrel cage Induction Motor using MAXWELL RMxpert Software(ANSYS)
2.	Analysis of power converters	Sepic converters – super lift converters-zeta converters-applications.
3.	Power Electronics for PV and Wind Energy Systems	Design of PV Systems
4.	Digital Simulation of Power Electronic Systems	Simulation Using PSpice Simulator
5.	HVDC System and Control	HVDC Light System
6.	Power Controllers in Power Systems	Distributed Flexible AC Transmission System(D-FACTS) devices
7.	Electric Power Quality	Shunt Active Filters –PSCAD/EMTDC-Simulation of Active Filter –Unified Power quality
8.	Microcontroller Based System Design	Introduction to MPLAB IDE and PICSTART plus-Device Programming using MPLAB and PICSTART plus
9.	Switched Mode Power Conversion	Design of Capacitors
10.	Restructured Power System	Calculation of Static and dynamic ATC

11.	Energy Management and Auditing	Refrigeration & Air Conditioning
12.	Modern power Semiconductor Devices	Heat sink design and selection of heat sink

Dr.R.Rajeswari suggested that:

- Include terms and condition for the course “Internship/Industrial Training” in the R2015 curriculum itself.

Dr.H.Habibullah said suggested that:

- Introduce the new laboratory titled as “Design and Development of Power Module Lab” with fabrication experiments in the Curriculum.



Chairman
Board of Studies
Electrical and Electronics Engineering

Chairperson
Board of Studies
Electrical & Electronics Engineering
Sethu Institute of Technology
Kariapatti - 626 115

Industry Involved Courses

S.No.	Name of the Industry Involved Course	Address of the Involved Industry
1	Wind Farm Development and Operation	National Institute of Wind Energy, Chennai
2	Design of Towers and Blades Structures	National Institute of Wind Energy, Chennai
3	Wind Turbine Blades Fabrication Technology	National Institute of Wind Energy, Chennai
4	ECO Paint Application Technology for Automobile Industry	Durr India Pvt.Ltd , Chennai
5	Solar Voltaic Technology	Surya Sakthi Pvt Ltd,Madurai
6	Aeromodelling	Nuclons Automation & Control No.10,Flowers Road, Kelpark, Chennai
7	Programmable Logic Controller	Unique Control s& Automation Madurai
8	Real Time Application on Embedded Systems	TECNIPPvt. Ltd., Chennai
9	System Design and Implementation	Elegant Training Services, Anna Nagar , Madurai
10	Energy management and auditing	TSP Engineer Pvt Ltd, Trichy

10/7/14