



SETHU INSTITUTE OF TECHNOLOGY  
(An Autonomous Institution)  
An ISO 9001 : 2008 Certified Institution  
Pulloor - 626 115, Kariapatti (TK), Virudhunagar District.



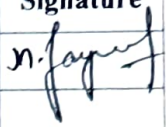


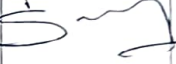


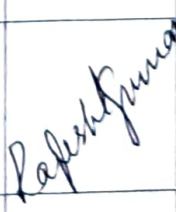

**MINUTES OF FOURTH MEETING OF BOARD OF STUDIES IN  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
HELD ON 11.06.2016**

The Fourth Meeting of the Board of Studies in Department of Electrical and Electronics Engineering was held on 11.06.2016 in EEE Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

S. No.	Name Of The Members	Designation And Institution	Position	Signature
1.	Dr.M.Santhi	Professor & Head	Chairman	
2.	Dr. A. Srinivasan	Professor	Member	
3.	Dr. S. Nagalakshmi	Professor	Member	
4.	Mr. B. Meenakshi Sundaram	Associate Professor	Member	
5.	Mrs.G.Soundra Devi	Associate Professor	Member	
6.	Mrs. C. Rajeswari	Associate Professor	Member	
7.	Mrs. J. Rahila	Associate Professor	Member	
8.	Mrs. K. Radha lakshmi	Associate Professor	Member	
9.	Mr.J. Kumaresan	Asst.Prof (Sr.Grade)	Member	
10.	Mrs. C. Kokila	Asst.Prof(Sr.Grade)	Member	
11.	Mr. G. Varathan	Asst.Prof(Sr.Grade)	Member	
12.	Mr. A. Ramaraj	Asst.Prof(Sr.Grade)	Member	
13.	Mr. S. Srinivasan	Asst.Prof(Sr.Grade)	Member	
14.	Mrs. J. Jeyasanthi	Asst.Prof(Sr.Grade)	Member	
15.	Mr. V. Kannan	Asst.Prof(Sr.Grade)	Member	
16.	Ms. S. Indumathi	Asst.Prof(Sr.Grade)	Member	
17.	Mrs. M. Vetriselvi	Asst.Prof(Sr.Grade)	Member	

S. No.	Name Of The Members	Designation And Institution	Position	Signature
18.	Mrs. R.C. Dhivya @ Ramcella	Asst.Prof(Sr.Grade)	Member	R.C.Dh
19.	Mrs. K. Aalagu soundari	Asst.Prof(Sr.Grade)	Member	K. Aalagu
20.	Mrs. V. Hema maheswari	Asst.Prof(Sr.Grade)	Member	V. Hema
21.	Mrs. P. Elamathy	Asst.Prof(Sr.Grade)	Member	P. Elamathy
22.	Mrs. P. Saraladevi	Asst.Prof(Sr.Grade)	Member	P. Saraladevi
23.	Ms. P. Meenalochini	Asst.Prof(Sr.Grade)	Member	
24.	Ms. S. Rohini	Asst.Prof(Sr.Grade)	Member	S. Rohini
25.	Mr. S. Kannadasan	Asst.Prof(Sr.Grade)	Member	S. Kannadasan
26.	Mr. B. Karthikeyan	Asst.Prof(Sr.Grade)	Member	B. Karthikeyan
27.	Mr. M. Palpandian	Asst.Prof(Sr.Grade)	Member	M. Palpandian
28.	Mr. M. Ramuvel	Asst.Prof(Sr.Grade)	Member	M. Ramuvel
29.	Mr. M. Muhammed Alaudeen Ashiq	Asst.Prof	Member	M. Muhammed Alaudeen Ashiq
30.	Ms .C. SONIA	Asst.Prof	Member	C. SONIA
31.	Ms. V.S. Chitra	Asst.Prof	Member	V.S. Chitra
32.	Mr. S. Gopi	Asst.Prof	Member	S. Gopi
33.	Mrs. E. Kalaiarasi	Asst.Prof	Member	E. Kalaiarasi
34.	Mr. K. Jeyakanth	Asst.Prof	Member	K. Jeyakanth
35.	Mr. S. Vigneshwaran	Asst.Prof	Member	S. Vigneshwaran
36.	Mr. S. Sambath	Asst.Prof	Member	S. Sambath
37.	Mr. Selvakumar .B	Asst.Prof	Member	B. Selvakumar
38.	Mr. S. Balakumar	Asst.Prof	Member	S. Balakumar
39.	Mr. K. Maheshkumar	Asst.Prof(Sr.Grade)	Member	K. Maheshkumar
40.	Mrs. G. Narmadha	Asst.Prof(Sr.Grade)	Member	G. Narmadha
41.	R. Archana	Asst.Prof	Member	R. Archana
42.	P.K.S. Suvithababu	Asst.Prof	Member	P.K.S. Suvithababu
43.	Ms. Padmini	Asst.Prof	Member	B. Padmini
44.	Mr. K. Balaji	Asst.Prof	Member	K. Balaji

S. No.	Name Of The Members	Designation And Institution	Position	Signature
45.	Ms. M. Jayashree	Asst.Prof	Member	
46.	Dr.R.Rajeswari (University Nominee)	Assistant Professor ( Senior Grade) Department of Electrical and Electronics Engineering, Government college of Technology, Thadagam Rd, PN Pudur, Coimbatore, TN- 641013	Member nominated by VC	 11/6/16
47.	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	 11/6/16
48.	Dr.H.Habibullah sait (External Expert nominated by Academic Council)	Assistant Professor Department of Electrical and Electronics Engineering BIT campus, Tiruchirapalli Tamil Nadu – 620024 habisait@gmail.com	Member	
49.	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 Umashankar.s@gmail.com	Member	
50.	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	
51.	Mr.R.Rajesh Kumar (Expert from Industry Relating to Placement)	Manager-HR Technical, Elgi Equipments Limited Trichy Road, Singanallur, Coimbatore-641 005.	Member	
52.	Mr.K.Aravindhan (Under Graduate Alumni)	Proprietor, P.M.K Engineering Services, Avaniyapuram, Madurai – 625012	Member	



53	Prof. Mohammed Kasim Khan (External Member)	Training Co-Ordinator, Spoken Tutorial, IIT Bombay, NMEICT, (Government of India)	Member	
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The Chairman welcomed the members and presented the Curricula and Syllabi which is being followed from the academic year 2015-16 under Autonomous Regulations 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**  
**R-2015:**

The members discussed thoroughly the new curriculum and Syllabi for B.E. Electrical and Electronics Engineering which is being 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:

- Vision, Mission, PEOs, POs and PSOs of the UG Programme are discussed and finalized.
- The action taken based on the suggestions given by the stakeholders are analyzed and concluded.
- Mapping of curriculum components with PEOs and POs and mapping of curriculum and syllabi with Programme Specific Criteria are presented and discussed.
- Problem based learning and Project based learning courses were presented and discussed.
- Suggestion given by DAB members were analyzed. BOS members also suggested to include "Solar Photovoltaic Technology" course in the curriculum and also suggested not to include "Electrical Estimation and Costing" instead they suggested to include "Energy Auditing" course in the curriculum

**1. Dr.R.Rajeswari suggested that**

- The concept of "DC-AC Power flow" in the course "15UEE502-Power System Analysis" may be shifted from Unit-I to Unit-II.
- The topic "Restructuring Power System" in the course "15UEE702 – Power System Operation and Control" may be shifted to Unit-V from Unit-I.
- A threshold may be fixed for GATE score, based on that credit may be awarded
- Industry based electives may be included in the curriculum and for the same 60% of the course content may be delivered by the course instructor & the remaining 40% may be delivered by the industrial experts.
- "Industrial safety measures" may be included in Industry Involved one credit course.
- Open electives offered by other departments should be included in the curriculum and syllabus

**2. Dr. K Mahadevan and Dr.H.Habibullah suggested that**

- A new course named “Energy Auditing” may be included as Professional Elective in the curriculum

**3. Dr.S.Uma Shankar suggested that**

- Industry based topics may be included in the fifth unit of elective courses and the same may be delivered by the industrial experts so as to make the students industry ready.

**4. Dr.K.Adalarasu suggested that**

- In the final year projects, weightage may be given for publications and based on that grade may be awarded.
- “Embedded Systems” course may be offered as industry based learning course.

**5. Mr.R.Rajesh Kumar suggested that**

- Industry based FAQ may be given to the students to enhance their employability
- In the open elective course “Total Quality Management”, the topic of “Project management technique” may be included.
- “Massive Online Open Course (MOOC)” may be offered to the students.

**6. Mr.K.Aravindhan suggested that**

- “Industrial safety measures” may be included in Industry designed one credit course and the topics such as IS, IEC and IEEE standards may be included in that syllabus
- A new course named “Erection, Testing and Commissioning” may be included as Professional Elective in the curriculum

**7. Prof.Mohammed Kasim Khan suggested that**

- Scilab and esim software may be used instead of MATLAB/ MultiSim software for the Laboratory Courses
- BOS members suggested to change the list of experiments of the Course named “14UEE607 - Electrical Drives and Control Laboratory”
- BOS members suggested to convert the course named “15UEE601- Advanced Electric Drives and Control” as integrated course
- BOS members suggested to change the credit of the two courses
  1. 15UEE703 – Electric Power Utilization and Energy Conservation from 4 to 3
  2. 15UEE504 - Electrical Machine Design from 3 to 4.

The following industry designed one credit courses are discussed and finalized

Course Code	Course Title
15UEE861	Wind farm Development and Operation
15UEE862	Design of Towers and Blades Structures

15UEE863	Wind Turbine Blades Fabrication Technology
15UEE864	Solar Photovoltaic Technology
15UEE865	Industrial safety measures

The following one credit course delivered by industries is discussed and finalized

Course Code	Course Title
15UEE866	ECO Paint Application Technology for Automobile Industry

Board of Studies resolved to approve and recommend the changes in the following courses to the Academic Council

S.No.	Name of the Course	Percentage change in Syllabus
1	01UEE703 - Special Electrical Machines	20%
2	01UEE703 - Electric Power Utilization and Energy Conservation	40%

The BOS members suggested to offer a Certificate Course titled “PLC & SCADA”

The following open elective courses for the regulations R2013, R2014 and R2015 are discussed and finalized

#### R-2013 – OPEN ELECTIVES

Course Code	Course Title	L	T	P	C
01UEE903/01UEE971	Non-Conventional Energy Resources	3	0	0	3
01UEE904/01UEE972	Programmable Logic Controller and SCADA	3	0	0	3
01UEE917/01UEE973	Introduction to Micro Electro Mechanical Systems	3	0	0	3

#### R-2014 – OPEN ELECTIVES

Course Code	Course Title	L	T	P	C
14UEE904/14UEE971	Non-Conventional Energy Resources	3	0	0	3
14UEE905/14UEE972	Programmable Logic Controller and SCADA	3	0	0	3
14UEE919/14UEE973	Introduction to Micro Electro Mechanical Systems	3	0	0	3

#### R-2015 – OPEN ELECTIVES

Course Code	Course Title	L	T	P	C
15UEE971	Non Conventional Energy Sources and Applications	3	0	0	3
15UEE972	Electric and Hybrid Vehicles	3	0	0	3
15UEE973	Solar Power Plants	3	0	0	3



15UEE974	MEMS	3	0	0	3
15UEE975	Principles of Robotics	3	0	0	3
15UEE976	Applied Soft Computing	3	0	0	3

The Board of Studies resolved to approve the following subjects which are handled for other departments.

Sl. No.	Course Code	Course Title	L	T	P	C
<b>MECHANICAL ENGINEERING</b>						
	15UEE208	Basic Electrical and Electronics Engineering (Common to MECH., Civil & Chemical )	3	0	0	3
	15UEE323	Electrical Machines (For MECH.)	3	0	2	4
<b>CHEMICAL ENGINEERING</b>						
1.	15UEE208	Basic Electrical and Electronics Engineering (Common to MECH., Civil & Chemical )	3	0	0	3
2.	15UEE212	Basic Electrical and Electronics Engineering Laboratory (For Chemical Engineering)	0	0	2	1
3.	15UEE324	Electrical Drives and Control (For Chemical Engineering)	3	0	0	3
4.	15UEE328	Electrical Drives and Control Laboratory (For Chemical Engineering)	0	0	2	1
<b>ECE</b>						
1	15UEE426	Principles of Electrical Machines (For ECE)	3	0	0	3
<b>EIE</b>						
1	15UEE326	Electrical Technology ( For EIE)	3	0	0	3
2	15UEE329	Electrical Technology Laboratory (For EIE)	0	0	2	1
<b>CIVIL</b>						
	15UEE208	Basic Electrical and Electronics Engineering (Common to MECH., Civil & Chemical )	3	0	0	3

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

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

The members discussed thoroughly the new curriculum and Syllabi for M.E. Power Electronics and Drives (Full Time & Part Time) which is being 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:

- The student's projects may be published in the Scopus Indexed Journals

The Board of Studies of Department of Electrical and Electronics Engineering approves and recommends the Curriculum and Syllabi of M.E. Power Electronics and Drives (Full Time & Part Time) which is being followed from the academic year 2015-16 under autonomous regulations with the above modifications.

The Chairman thanked the members for their contribution and suggestions in framing the curriculum and syllabi for B.E. Electrical and Electronics Engineering and M.E. Power Electronics and Drives (Full Time & Part Time) which is being followed from the academic year 2015-16 under Autonomous regulations.



**Chairman  
Board of Studies  
Electrical and Electronics Engineering**