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**SETHU INSTITUTE OF TECHNOLOGY,
(An Autonomous Institution)
PULLOOR, KARIAPATTI – 626 115**

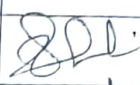

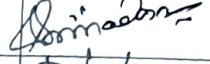




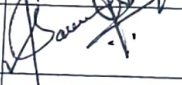
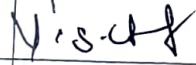
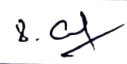

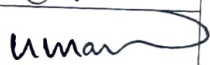

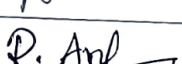













**MINUTES OF FIFTH MEETING OF BOARD OF STUDIES IN DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING HELD ON 29.06.2017**

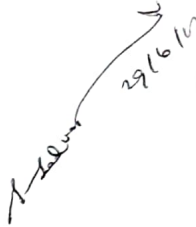


The Fifth Meeting of the Board of Studies in Department of Electrical and Electronics Engineering was held on 29.06.2017 in EEE Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

SL.NO.	NAME OF THE FACULTY	DESIGNATION & INSTITUTION	POSITION	SIGNATURE
1.	Dr. S. Nagalakshmi	Professor	Chairman	<i>S. Nagalakshmi</i>
2.	Dr.A.Srinivasan	Professor	Member	<i>A. Srinivasan</i>
3.	Dr.U.Suresh Kumar	Professor	Member	<i>U. Suresh Kumar</i>
4.	Dr.K. Kanimozhi	Professor	Member	<i>K. Kanimozhi</i>
5.	Mr. B. Meenakshi Sundaram	Associate Professor	Member	<i>B. Meenakshi Sundaram</i>
6.	Mrs.G.Soundra devi	Associate Professor	Member	<i>G. Soundra devi</i>
7.	Mrs. C. Rajeswari	Associate Professor	Member	<i>C. Rajeswari</i>
8.	Mrs. J. Rahila	Associate Professor	Member	<i>J. Rahila</i>
9.	Mrs. J. Radhalakshmi	Associate Professor	Member	<i>J. Radhalakshmi</i>
10.	Mr. G. Varathan	Asst.prof (Sr.Grade)	Member	<i>G. Varathan</i>
11.	Mr. J. Kumerasan	Asst.prof (Sr.Grade)	Member	<i>J. Kumerasan</i>
12.	Mr. S. Srinivasan	Asst.prof (Sr.Grade)	Member	<i>S. Srinivasan</i>
13.	Mrs. J. Jeyasanthi	Asst.prof (Sr.Grade)	Member	<i>J. Jeyasanthi</i>
14.	Mr. V. Kannan	Asst.prof (Sr.Grade)	Member	<i>V. Kannan</i>
15.	Mrs. R.C. Dhivya @ Ramcella	Asst.prof (Sr.Grade)	Member	<i>R.C. Dhivya</i>
16.	Mrs. V. Hema Maheswari	Asst.prof (Sr.Grade)	Member	<i>V. Hema Maheswari</i>

SL.NO.	NAME OF THE FACULTY	DESIGNATION & INSTITUTION	POSITION	SIGNATURE
17.	Ms. P. Meenalochini	Asst.prof (Sr.Grade)	Member	
18.	Ms. S. Rohini	Asst.prof (Sr.Grade)	Member	
19.	Mr. S. Kannadasan	Asst.prof (Sr.Grade)	Member	
20.	Mr. B. Karthikeyan	Asst.prof (Sr.Grade)	Member	
21.	Mr. M. Palpandian	Asst.prof (Sr.Grade)	Member	
22.	Mr. M. Ramuvel	Asst.prof	Member	
23.	Mr. M. Muhammed Alaudeen Ashiq	Asst.prof	Member	
24.	Ms .C. Sonia	Asst.prof	Member	
25.	Ms. V.S. Chitra	Asst.prof	Member	
26.	Mr. S. Gopi	Asst.prof	Member	
27.	Mr. K. Jeyakanth	Asst.prof	Member	
28.	Mr. K. Mahesh Kumar	Asst.prof(sr.grade)	Member	
29.	Mrs. G. Narmadha	Asst.prof(sr.grade)	Member	
30.	R. Archana	Asst.prof	Member	
31.	P.K.S. Suvithababu	Asst.prof	Member	
32.	Mr. K. Balaji	Asst.prof	Member	
33.	Ms. M. Jayashree	Asst.prof	Member	
34.	Mr.S.Sampath	Asst.prof	Member	
35.	Mr.B. Selvakumar	Asst.prof	Member	
36.	Mr.V. Dhayanithi	Asst.prof (CSG)	Member	
37.	Mr.V.Balasundaram	Asst.prof (CSG)	Member	

SL.NO.	NAME OF THE FACULTY	DESIGNATION & INSTITUTION	POSITION	SIGNATURE
38.	Dr.K.l atha (University Nominee)	Associate Professor, Department of Electrical and Electronics Engineering, CEG Campus, Anna University, Chennai.Tamil Nadu, India.	Member nominated by VC	
39.	Dr.V.Gopala Krishnan (External Expert nominated by Academic Council)	Associate Professor, Department of Electrical and Electronics Engineering, ACCE Tech, Karaikudi. Tamil Nadu, India.	Member	
40.	Dr.D.Nelson Jeyakumar (External Expert nominated by Academic Council)	Assistant Professor, Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai. Tamil Nadu, India.	Member	
41.	Dr.N.Chandrasekaran (External Expert nominated by Academic Council)	Professor and Head, Department of Electrical and Electronics Engineering, PSNA College of Engineering and Technology	Member	 29/11/15

SL.NO.	NAME OF THE FACULTY	DESIGNATION & INSTITUTION	POSITION	SIGNATURE
42.	Dr.S.Selvaperumal (External Expert nominated by Academic Council)	Professor & Head, Department of Electrical and Electronics Engineering, Syed Ammal Engineering College Ramanathapuram-623 502,Tamil Nadu, India.	Member	
43.	Er.P.Saravanan (Expert from Industry Relating to Placement)	Managing Director, Solaritz Regen Technologies Pvt Ltd, Kovilpatti. Tamil Nadu, India.	Member	
44.	Ms.A.N.Manjula (Under Graduate Alumni)	Quality Control Inspector Delphi-TVS Diesel Systems Ltd., SIPCOT Industrial Park, Oragadam, Kancheepuram. Tamil Nadu, India.	Member	

The Chairman welcomed the members and presented the Curricula and Syllabi which are 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 suggestion given by the members, the following resolutions are made:

- Vision, Mission, PEOs, POs and PSOs of the UG Programme are presented and approved by the members.
- 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.
- DAB members suggested to include Variable Frequency drives (VFD) as an Industry Oriented course in the curriculum. But BOS members suggested that it is already available in "Advanced Electrical Drives and control" and hence no need to offer Variable Frequency drives (VFD) as an Industry Oriented course in the curriculum.
- The BOS members suggested to rename the title of the course "15UEE925 – Erection, Testing and Commissioning" to "15UEE925 – Erection, Testing and Commissioning of Electrical Equipment".
- The BOS resolved and suggested to introduce two new courses namely "15UEE926 - PLC and SCADA Applications" & "15UEE927 - Power Plant Instrumentation and Control" as Industry, involved professional elective courses.
- The BOS resolved to approve the classification of courses which focus on Employability / Entrepreneurship / Skill Development and is given in annexure.

1. Dr. K. Latha suggested that

- 15UEE501-POWER ELECTRONICS: Uncontrolled Rectifiers and Filter circuits may be made as Unit I. The semiconductor devices operation may be included in the appropriate units corresponding to the choice of the converter. Topics on Voltage / Current / Load Commutation may be removed.
- 15UEE503-MICROPROCESSORS AND MICROCONTROLLER PROGRAMMING: The syllabus statement in Unit 4 may be checked and rewritten.
- 15UEE601-ADVANCED ELECTRIC DRIVES AND CONTROL: The following topics may be included in the syllabus
 - Drive Characteristics and selection of drives
 - Classes of duty and Ratings
 - Multi quadrant operation
 - Steady state stability
- 15UEE906-SPECIAL ELECTRICAL MACHINES: The flow of Units may be modified. The following topics may be included in the syllabus.
 - PM materials
 - BH Curve
 - Magnetic circuits
- 15UEE907-COMPUTER AIDED DESIGN OF ELECTRICAL APPARATUS: This course may be offered as integrated course with 3 credits (LTPC : 2 0 2 3).
- A course on Energy storage systems may be included in the curriculum.

2. Dr.V.Gopala Krishnan suggested that

- 15UEEC621- SIGNAL PROCESSING: Any one specific processor study may be included in Unit-5. The reference and text books may be updated
- 15UEE602- Protection and Switch Gear: The course title may be modified as Power system Protection and Switch Gear

3. Dr.D.Nelson Jeyakumar suggested that

- 15UEE703- Electric Power Utilization and Energy Conservation : The course title may be modified as Electric Energy Utilization

4. Dr.S.Selvaperumal suggested that

- 15UEE905- SOFTWARE CIRCUIT FOR SIMULATION: This course may be offered as integrated course with 3 credits
- A course on Energy storage systems may be included in the curriculum and offered as one credit course

5. Dr.N.Chandrasekaran suggested that

- Bio medical Instrumentation may be included in the curriculum
- 15UEE501- POWER ELECTRONICS: Uncontrolled Rectifiers may be included. The book "POWER ELECTRONICS by M.D.Singh" may be included in the reference.
- 15UEE703- Electric Power Utilization and Energy Conservation : The course title may be modified as Electric Energy Utilization

6. Er.P.Saravanan suggested that

- Following one credit courses may be offered.
 - Energy storage systems
 - Controlling and monitoring of electrical equipments using mobile applications
- 15UEE601- ADVANCED ELECTRIC DRIVES AND CONTROL : Variable frequency drives may be included

7. Ms.A.N.Manjula suggested that

- More design oriented courses may be offered

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:

- Following Two Elective Courses may be included :
 1. Fault Identification in Electrical machines
 2. Special topics in Power Electronics

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



SETHU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



MINUTES OF THE BOARD OF STUDIES MEETING – 29.06.2017

Annexure

COURSE CATEGORIZATION - EMPLOYABILITY / ENTREPRENEURSHIP / SKILL DEVELOPMENT

S.No	Course Code	Course Name	Category
1	14UEE702	Power System Operation and Control	Employability
2	14UEE703	Special Electrical Machines	Employability
3	14UEE704	Electric Power Utilization and Energy Conservation	Employability
4	14UEE904	Non-Conventional Energy Resources	Employability
5	14UEE908	Operation and Maintenance of Electrical Equipments	Employability
6	14UEE707	Power System Simulation Laboratory	Employability & Skill development
7	15UEE702	Power System Operation and Control	Employability
8	15UEE703	Electric Energy Utilization	Employability
9	15UEE706	Power System Simulation Laboratory	Employability & Skill development
10	15UEE906	Special Electrical Machines	Employability
11	15UEE501	Power Electronics	Employability
12	15UEE502	Power System Analysis	Employability
13	15UEE503	Microprocessors and Microcontroller Programming	Employability
14	15UEE504	Electrical Machine Design	Employability
15	15UEE507	Power Electronics Laboratory	Employability & Skill development
16	15UEE508	Microprocessors and Microcontroller Programming Laboratory	Employability & Skill development
17	15UEE509	Electrical Machine Design Simulation Laboratory	Employability & Skill development

S.No	Course Code	Course Name	Category
18	15UEE903	High Voltage Engineering	Employability
19	15UEE924	Energy Audit	Employability
20	15UEE302	DC Machines and Transformers	Employability
21	15UEE303	Field Theory	Employability
22	15UEE304	Power System Generation	Employability
23	15UEE305	Semiconductor Devices and Circuits	Employability / Skill Development
24	15UEE306	Digital Logic Circuits	Employability
25	15UEE307	DC Machines and Transformers Laboratory	Employability
26	15UEE308	Semiconductor Devices and Circuits Laboratory	Employability
27	15UEE918	Power Quality	Employability / Entrepreneurship
28	15UEE804	Project Work	Employability / Entrepreneurship / Skill Development
29	15UEE601	Advanced Electric Drives and Control	Employability
30	15UEE602	Protection and Switch Gear	Employability
31	15UEE608	Technical Project	Employability / Entrepreneurship / Skill Development
32	15UEE915	Neural Network and Fuzzy Systems	Employability / Skill Development
33	15UEE926	PLC and SCADA Applications	Employability / Skill Development
34	15UEE402	AC Machines	Employability
35	15UEE403	Control Systems	Employability
36	15UEE404	Transmission and Distribution	Employability
37	15UEE405	Analog Integrated Circuits	Employability

S.No	Course Code	Course Name	Category
38	15UEE406	Electrical Measurements and Instrumentation	Employability
39	15UEE408	AC Machines Laboratory	Employability
40	15UEE409	Control and Instrumentation Laboratory	Employability
41	15UEE410	Digital and Analog Integrated Circuits Laboratory	Employability
42	15UEE209	Electric Circuits	Employability
43	15UEE211	Electric Circuits Laboratory	Employability
44	15UEE910	VLSI Design and Architecture	Employability & Skill development
45	15UEE864	Solar Photovoltaic Technology	Skill Development
46	15UEE865	Industrial Safety Measures	Employability
47	15UEE867	Energy Storage Systems	Employability