



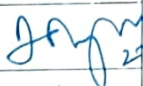














SETHU INSTITUTE OF TECHNOLOGY,
(An Autonomous Institution)
PULLOOR, KARIAPATTI – 626 115






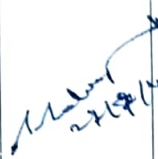


**MINUTES OF SIXTH MEETING OF BOARD OF STUDIES IN DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING HELD ON 27.07.2018**

The Sixth Meeting of the Board of Studies in Department of Electrical and Electronics Engineering was held on 27.07.2018 in EEE Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

Sl.No	Faculty Name	Designation	POSITION	Signature
1.	Dr.A.Srinivasan	Professor & Head	Chairman	
2.	Dr.S.Nagalakshmi	Professor	Member	
3.	Dr.B.Meenakshi Sundaram	Professor	Member	
4.	Dr.K. Kanimozhi	Professor	Member	
5.	Mrs. G.Soundra Devi	Associate Professor	Member	
6.	Mrs. J. Rahila	Associate Professor	Member	
7.	Dr.S.Vijayarajan	Associate Professor	Member	
8.	Dr.R.M.Sasiraja	Associate Professor	Member	
9.	Mrs. R.C. Dhivya@Ramchella	Assistant Professor (Sr. Grade)	Member	
10.	Mrs. V.Hemamageswari	Assistant Professor (Sr. Grade)	Member	
11.	Mr. J. Kumaresan	Assistant Professor (Sr. Grade)	Member	
12.	Mrs. J. Jeyashanthi	Assistant Professor (Sr. Grade)	Member	
13.	Mr.V.Kannan	Assistant Professor (Sr. Grade)	Member	
14.	Ms.P. Meenalochini	Assistant Professor (Sr. Grade)	Member	
15.	Ms.S.Rohini	Assistant Professor (Sr. Grade)	Member	

Sl.No	Faculty Name	Designation	POSITION	Signature
16.	Mr.B.Karthikeyan	Assistant Professor (Sr. Grade)	Member	B. Karthikeyan
17.	Mr.M.Palpandian	Assistant Professor (Sr. Grade)	Member	M. Palpandian
18.	Mr.V.Dhayanithi	Assistant Professor(Sr. Grade)	Member	V. Dhayanithi
19.	Mr.K.Mahesh kumar	Assistant Professor(Sr. Grade)	Member	K. Mahesh kumar
20.	Mrs. G. Narmadha	Assistant Professor (Sr. Grade)	Member	G. Narmadha
21.	Mr.M.Ramuvel	Assistant Professor	Member	M. Ramuvel
22.	Mr.M.Muhammed Alaudeen Ashiq	Assistant Professor	Member	M. Muhammed Alaudeen Ashiq
23.	Ms.C.Sonia	Assistant Professor	Member	C. Sonia
24.	Mrs. V.S. Chitra	Assistant Professor	Member	V.S. Chitra
25.	Mr.T.Harish Babu	Assistant Professor	Member	T. Harish Babu
26.	Mr. S. Gopi	Assistant Professor	Member	S. Gopi
27.	Mr. K. Jeyakanth	Assistant Professor	Member	K. Jeyakanth
28.	Ms.P.K.S. Suvithababu	Assistant Professor	Member	P.K.S. Suvithababu
29.	Mr. K. Balaji	Assistant Professor	Member	K. Balaji
30.	Mr.S.Syed Abdul Haq	Assistant Professor	Member	S. Syed Abdul Haq
31.	Mr.R.Mohammed Abdullah	Assistant Professor	Member	R. Mohammed Abdullah
32.	Mr.K.Rajesh Selvaraj	Assistant professor	Member	K. Rajesh Selvaraj
33.	Mrs.R.S.Bharathi	Assistant Professor	Member	R. S. Bharathi
34.	Mrs.V.Vaishnavi	Assistant Professor	Member	V. Vaishnavi
35.	Mrs.K.Elavarasi	Assistant Professor	Member	K. Elavarasi
36.	Mr.C.Immanuvel	Assistant Professor	Member	C. Immanuvel
37.	Mr.C.Shiva	Assistant Professor	Member	C. Shiva
38.	Mr. Muthuvel	Assistant Professor (Sr. Grade)	Member	M. Muthuvel

Sl.No	Faculty Name	Designation	Position	Signature
39.	Dr.K.Latha (University Nominee)	Associate Professor, Department of Electrical and Electronics Engineering, CEG Campus, Anna University, Chennai.Tamil Nadu, India.	Member nominated by VC	
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 Dindigul. Tamil Nadu, India	Member	
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 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
- The action taken based on the suggestions given by the stakeholders are analyzed and concluded.
- The Suggestion given by the DAB members regarding curriculum were discussed
- Mapping of curriculum components with PEOs and POs and mapping of curriculum and syllabi with Programme Specific Criteria are presented and discussed.
- Mapping of COs with POs and PSOs for R2015 are presented and discussed.
- Employability and Entrepreneurship courses are classified and approved by BOS members.
- The BOS resolved and suggested to introduce a new value Added Courses namely “Arduino and its programming” in R2015 curriculum.
- BOS members approved the Assessment pattern and Assessment questions for the courses in 2015 regulation.
- The BOS members suggested to introduce the new INTER-DISCIPLINARY courses “15UGM01- Smart Buildings (EEE & CIVIL)” , 15UGM02 - Electric Vehicles (EEE & MECH) and 15UGM03 - Electrical Hazards and Safety in Hospitals (EEE & BME)
- The BOS resolved and suggested to change the Units of the following Course.

Course code & Title	Existing Units	Changes Made in Units
15UEE703- Electric Energy Utilization	UNIT IV - Solar Radiation and Solar Energy Collectors	UNIT IV - Electric Energy Conservation
	UNIT V - Wind Energy	UNIT V - Electric Vehicles And Energy Storage Systems

1. Dr.K.Latha suggested that

- Allotment of marks for attendance in internal Assessment pattern is not necessary.
- Industrial visit may be mandatory for all the students.
- End Semester Question Pattern may be common for all the core courses. Multiple choices may be avoided in End Semester Question paper because quiz is one of the assessment tools in internal assessment pattern. The common format of $10 \times 2 = 20$ Marks and $16 \times 5 = 80$ may be followed in the end semester question paper.

2. Dr.D.Nelson Jeyakumar suggested that

- Engineering Design courses may be Mandatory in fourth and eighth semester.
- Course wise Blooms level may be mentioned.

4. Dr.S.Selvaperumal suggested that

- Industrial visit may be mandatory for all the students.

5. Dr.N.Chandrasekaran suggested that

- Energy lab may be included in VII semester.

6. Er.P.Saravanan suggested that

- Massive online open courses may be offered to the students.

7. Ms.A.N.Manjula suggested that

- “Arduino and its programming” course 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:

As two batches under this regulation have passed out, BOS members suggested not to make any correction in the existing curriculum

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.

 27/7/18

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

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





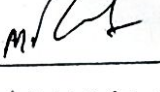

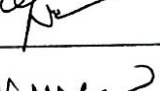
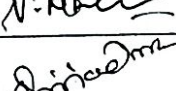
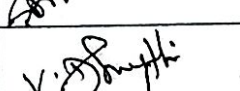
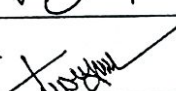
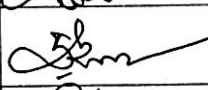
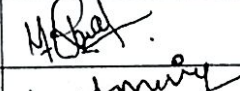


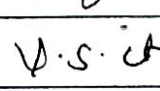
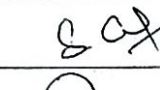
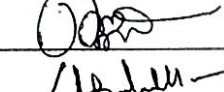
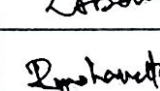

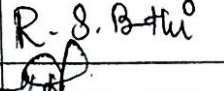
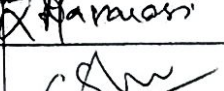

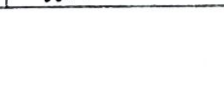


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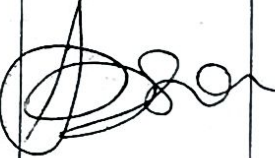

**MINUTES OF SEVENTH BOARD OF STUDIES MEETING IN DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING HELD ON 30.08.2019**

The Seventh Board of Studies (BoS) Meeting in Department of Electrical and Electronics Engineering was held on 30th August, 2019 in EEE Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

S.NO	FACULTY NAME	DESIGNATION	POSITION	SIGNATURE
1.	Dr.A.Srinivasan	Professor & Head	Chairman	
2.	Dr.B.Meenakshi Sundaram	Professor	Member	
3.	Dr.J.Bastin Solai Nazaran	Professor	Member	
4.	Mrs.G.Soundra Devi	Associate Professor	Member	
5.	Mrs.J.Rahila	Associate Professor	Member	
6.	Dr.S.Vijayarajan	Associate Professor	Member	
7.	Dr.R.M.Sasi Raja	Associate Professor	Member	
8.	Dr.A.Marikannan	Associate Professor	Member	
9.	Dr.M.Abdul Kareem	Associate Professor	Member	
10.	Mr.J.Kumaresan	Assistant Professor (Sr.Grade)	Member	
11.	Mrs.J.Jeyashanthi	Assistant Professor (Sr.Grade)	Member	
12.	Mr.V.Kannan	Assistant Professor (Sr.Grade)	Member	
13.	Mrs.V.Hema Maheshwari	Assistant Professor (Sr.Grade)	Member	
14.	Mrs.P.Meenalochini	Assistant Professor (Sr.Grade)	Member	

S.NO	FACULTY NAME	DESIGNATION	POSITION	SIGNATURE
15.	Mrs.S.Rohini	Assistant Professor (Sr.Grade)	Member	
16.	Mr.B.Karthikeyan	Assistant Professor (Sr.Grade)	Member	
17.	Mr.M.Palpandian	Assistant Professor (Sr.Grade)	Member	
18.	Mr.K.Mahesh Kumar	Assistant Professor (Sr.Grade)	Member	
19.	Dr.G.Narmadha	Assistant Professor (Sr.Grade)	Member	
20.	Mr.V.Muthuvel	Assistant Professor (Sr.Grade)	Member	
21.	Mr.S.Kannadasan	Assistant Professor (Sr.Grade)	Member	
22.	Mr.V.Dhayanithi	Assistant Professor (Sr.Grade)	Member	
23.	Mr.T.Murugan	Assistant Professor (Sr.Grade)	Member	
24.	Mr.S.Sugumar	Assistant Professor (Sr.Grade)	Member	
25.	Mr.M.Ramuvel	Assistant Professor	Member	
26.	Mr.M.Muhammed Aladueen Ashiq	Assistant Professor	Member	
27.	Ms.C.Sonia	Assistant Professor	Member	
28.	Mr.T.Harish Babu	Assistant Professor	Member	
29.	Ms.V.S.Chithra	Assistant Professor	Member	
30.	Mr.S.Gopinath	Assistant Professor	Member	
31.	Mr.K.Jeyakanth	Assistant Professor	Member	
32.	Mr.S.Syed Abdul Haq	Assistant Professor	Member	
33.	Mr.R.Mohammed Abdullah	Assistant Professor	Member	
34.	Mr.C.Immanuvel	Assistant Professor	Member	
35.	Mrs.R.S.Bharathi	Assistant Professor	Member	
36.	Mrs.K.Elavarasi	Assistant Professor	Member	
37.	Mr.C.Shiva	Assistant Professor	Member	
38.	Mrs.V.Vaishnavi	Assistant Professor	Member	

SL.NO	FACULTY NAME	DESIGNATION	POSITION	SIGNATURE
39.	DR.V.MALATHI	Professor & Dean Department of Electrical and Electronics Engineering, Anna University Regional Campus, Madurai – 625019 Tamil Nadu , India.	Member nominated by VC	
40.	DR. RAJAN PRAKASH	Assistant Professor Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu	Member	
41.	DR. G.Y. RAJAA VIKHRAM	Assistant Professor Department of Electronics and Instrumentation Engineering, Tech Park 14 th Floor, SRM Institute of Science and Technology, Potheri, Kattankulathur – 603203, Kancheepuram, Tamilnadu	Member	
42.	MR. A. EASWARAN (Expert from Industry Relating to Placement)	Proprietor Jothi Electrical Industries, No.2, RC Street, Pazhanganatham, Madurai – 625003.	Member	
43.	J. VIMALRAJ (Under Graduate Alumni)	R & D, Premier Evolvics Pvt. Ltd., SF No.79/6, Kulathur Road, Venkitapuram Post, Irugur, Coimbatore – 641062, Tamilnadu.	Member	

The Chairman welcomed all the members to the Seventh Board of Studies Meeting and presented the Curricula and Syllabi of First year courses which are being followed from the academic year 2019-2020 under Autonomous Regulations 2019 (R2019) for B.E. Electrical and Electronics Engineering. He also presented the proposed Curriculum structure of R2019. The Curricula and Syllabi of M.E. Power Electronics and Drives (Full time) has also been presented to the Board of Studies Members.

After the presentation, the following resolutions have been made by the Board of Studies Members.

B.E. Electrical and Electronics Engineering – 2019-20 under Autonomous Regulation R-2019

1. Revised Department Vision, Mission, Program Educational Objectives (PEO), Program Outcomes (PO) and Program Specific Outcomes (PSO) of the UG Programme

- The Board of Studies Chairman presented the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme.
- Dr.V.Malathi queried that the revised PSO of the UG Programme should match with the courses of R2019 Curriculum.
- Board of Studies Chairman clarified the query which has been raised by Dr.V.Malathi by showing the evident courses of R2019 related to PSO.

Board of Studies resolved to approve and recommend the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme to the Academic Council. The Vision, Mission, PEOs, POs and PSOs of the UG Programme are given in Annexure I.

2. Analysis of Stakeholders feedback regarding curriculum and syllabi

- The Board of Studies Chairman presented the stakeholders' feedback regarding curricula and syllabi of R2015. The reflections of the stakeholders' feedback in the R2019 Curriculum structure are given in Annexure II.
- Dr.G.Y.RajaaVikhraminsisted to get some more feedback from the eminent alumni who are working in core companies.

- Board of Studies Chairman accepted to get the feedback from eminent alumni who are working in core companies regarding curriculum and syllabi

Board of Studies resolved to approve the modifications based on the stakeholders' feedback in R2019 curriculum structure.

3. Multi/Inter disciplinary Theory courses

- The Board of Studies Chairman presented the Multi/Interdisciplinary theory courses which will be offered by the Department of Electrical and Electronics Engineering and is given in Annexure III.
- Mr.A.Easwaran suggested to offer project based Multi/Interdisciplinary courses for enhancing the project based learning through Product Development.
- Board of Studies Chairman clarified the suggestion given by Mr.A.Easwaran.

Board of Studies resolved to approve and recommend the presented Multi/Interdisciplinary theory courses in R2019 curriculum.

4. Classification of courses having focus on employability/ entrepreneurship/ skill development

- The Board of Studies Chairman presented the categorization of R2019 courses based on the employability/ entrepreneurship/ skill development as given in Annexure IV.
- Dr.G.Y.Rajaa Vikhram suggested to identify some more courses under entrepreneurship/ skill development.
- Board of Studies Chairman accepted the suggestion given by Dr.G.Y.Rajaa Vikhram.

Board of Studies resolved to approve the classification of R2019 courses which focus on employability/ entrepreneurship/ skill development

5. List of New Courses under Regulation 2019

- Board of Studies Chairman presented the R2019 curriculum structure and also listed the new courses which have been proposed to include in new curriculum structure.

- Dr.V.Malathi suggested to shift the newly added Course “Smart Grid” from Seventh Semester to Professional Elective. She also suggested to include few IT related courses in Electives.
- Board of Studies members accepted the suggestions given by Dr.V.Malathi and the corresponding modifications are incorporated in R2019 model Curriculum.
- Dr.G.Y.RajaaVikhran suggested to include the course called “Advanced Control Theory” in the R2019 curriculum.
- Board of Studies chairman explained that the courses “Non-linear control systems” and “Digital Control Systems” which have been listed in the Professional Elective may be effective for the students instead of the course “Advanced Control Theory”.

Board of Studies resolved to approve the following list of new courses that could be included in the R2019 Curriculum

Newly Added Courses	
SEMESTER	NAME OF THE COURSE
I	1. Induction Programme 2. Problem solving and Python Programming 3. Problem solving and Python Programming Lab
II	1. Introduction to Electrical and Electronics Engineering 2. Introduction to Electrical and Electronics Engineering Lab
III	1. Seminar 2. Biology for Engineers
IV	1. Data Structures and Algorithm (Integrated Course) 2. Gender Equality
V	1. Internet of Things for Electrical Automation 2. Creative Thinking and Innovation
VI	1. Product Development Project 2. Interpersonal Skills Laboratory 3. Indian Constitution and Essence of Indian Traditional Knowledge in Electrical Engineering
VII	1. Electric Vehicles 2. Renewable Energy Laboratory 3. Summer Internship

Professional Elective Courses	<ol style="list-style-type: none"> 1. Electrical Safety 2. Robotics and Automation 3. Solar and Wind Energy Systems 4. Application of Power Electronics to Power Systems 5. Modern optimization techniques for Electric Power Systems 6. Non-Linear Control Systems 7. Digital Control Systems 8. Design with PIC Microcontrollers 9. Machine Learning 10. EHV AC and DC Transmission 11. Fuzzy systems and Genetic Algorithms 12. Sensing Techniques and Sensor Systems 13. Intelligent Motor Controllers 14. Energy Efficient Motors 15. Advanced Microprocessor and Microcontroller 16. Consumer Electronics (Integrated Course) 17. PCB Design (Integrated Course) 18. PLC and SCADA Applications (Integrated Course) 19. Smart Grid 20. Analog and Mixed Mode VLSI Design
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6. Suggestions for improving the R2019 curriculum structure

- Dr.V.Malathi suggested to include the topic “How to write Project Proposal” in the course “Project Management and Finance” which will be offered by the Department of Mechanical Engineering. She also suggested to rename the Course “Signal Processing” as “Digital Signal Processing for Electrical Engineers” which will be offered by the Department of Electronics and Communication Engineering.
- Board of Studies members accepted the above suggestions and the Chairman agreed to intimate the above suggestions to the respective Board of Studies Chairman.

- Dr.R.RajanPrakash suggested to reduce the number of domains which have been presented by the Board of Studies Chairman.
- Dr.R.RajanPrakash also suggested to offer a crash course at the end of each year in order to recollect the concepts studied in that year.
- Board of Studies Chairman has agreed to include the above suggestions given by Dr.R.RajanPrakash in near future.
- Mr.A.Easwaran suggested to offer more number of value added courses to enhance the practical knowledge.
- Board of Studies members have accepted the suggestion and the chairman acknowledged to offer Value added Course in every semester.

Board of Studies resolved to approve the above suggestions that could be incorporated in the R2019 curriculum of Electrical and Electronics Engineering.

7. Percentage if change in the Curriculum and for each course in Regulation 2019

- When discussing the First and Second semester courses, Dr.V.Malathi suggested to rearrange the topics of the Course “Basic Electrical and Electronics Engineering” which will be offered the Department of EEE to other departments as follows
 - UNIT – I : DC and AC circuits
 - UNIT – II : DC Machines and Transformers
 - UNIT – III : AC Machines
 - UNIT – IV : Special Machines
 - UNIT – V : Introduction to Electronics
- Board of Studies members accepted the suggestion given by Dr.V.Malathi and the Chairman acknowledged to incorporate the corresponding modifications in the course “Basic Electrical and Electronics Engineering”.
- **Percentage change in Syllabus of First and Second Semester courses as follows**

S.No.	Name of the Course	Percentage change in Syllabus
1	Basic Electrical and Electronics Engineering	47%
2	Basic Electrical and Electronics Engineering Laboratory	54%

Board of Studies resolved to approve and recommend the following Second Semester courses to the Academic Council

Sl.No.	Department	Course Title	L	T	P	C
1	EEE	Introduction to Electrical and Electronics Engineering	3	0	0	3
2	EEE	Introduction to Electrical and Electronics Engineering Laboratory	0	0	3	1.5
3	Mech, Civil, Agri& Chemical	Basic Electrical and Electronics Engineering	3	0	0	3
4	Agri& Chemical	Basic Electrical and Electronics Engineering Laboratory	0	0	3	1.5

8. Approval for the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

- The Chairman presented the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.
- Dr.V.Malathi suggested to consider the faculty competency and expertise for question paper setting.
- The Chairman explained the norms followed in the College for question paper setting in which faculty competency and expertise are also considered.

Board of Studies resolved to approve the list of examiners from other colleges invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Curriculum (R2019) of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2019-2020 under autonomous regulations with the above modifications to the Academic council.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Syllabi of First year courses of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2019-2020 under autonomous regulations with the above modifications to the Academic council.

M.E. Power Electronics and Drives (Full Time) – 2019-20 under Autonomous Regulation R-2019

The members discussed thoroughly the new curriculum and Syllabi for M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2019 - 2020 under autonomous regulation and offered useful suggestions.

1. Multi/Inter disciplinary Theory courses

- Dr. RajanPrakash suggested to include the IoT based course for improving the product development.
- Board of Studies Chairman confirmed that the IoT based course will be offered as open elective.

2. Percentage of change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the Core paper in second semester and elective syllabus of R2019 with reference to the syllabus of R2015.

Percentage change in Syllabus of courses as follows

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19PPE201	Electric Drives System	DC Drives and Control & AC Drives and Control of R2015	

3. List of New Courses under Regulation 2019

- Dr. V. Malathi suggested to rename the course “English for Research Paper Writing” as Research Paper Writing.
- Board of Studies Chairman replied that the Course name has been fixed as per the AICTE 2018 PG Model Curriculum.

NEWLY ADDED COURSES	
SEMESTER	NAME OF THE COURSE
I	1. Power Quality Laboratory
II	1. Digital Control of Power Electronic and Drive systems 2. Embedded Control of Power Electronics and Drives Laboratory 3. Mini project with seminar

Program Electives	<ol style="list-style-type: none"> 1. Advanced Power Electronic Circuits 2. Optimal and Adaptive Control 3. Dynamics of Electrical Machines 4. Harmonics Filter Design 5. Advanced Control Of Electric Drives 6. Automotive Electronics 7. Switched Mode and Resonant Converters 8. Modern Industrial Drives 9. Advanced Digital Signal Processing 10. Advanced Microcontroller based Systems 11. SCADA Systems and Applications 12. FACTS and Custom Power Devices
Open Elective	Bio Energy From Waste

Board of Studies resolved to approve the list of new courses that could be included in the R2019 Curriculum

3. Suggestions for improving the R2019 curriculum structure

- Mr. A. Easwaran suggested to include the consultancy activity in the Power Quality Laboratory course.
- Board of Studies Chairman accepted and acknowledged to include the consultancy activity in the Power Quality Laboratory course.

The Board of Studies of Department of Electrical and Electronics Engineering resolved to approve and recommend the Curriculum and Syllabi of M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2019-20 under autonomous regulations with the above modifications to the Academic Council.

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) which is being followed from the academic year 2019-20 under Autonomous regulations.


Chairman
Board of Studies

Electrical and Electronics Engineering
Dr. A. SRINIVASAN M.E., Ph.D.,
PROFESSOR & HEAD
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR, KARIYAPATTI - 626 115



SETHU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



MINUTES OF THE BOARD OF STUDIES MEETING – 30.08.2019

Annexure IV

COURSE CATEGORIZATION - EMPLOYABILITY / ENTREPRENEURSHIP / SKILL DEVELOPMENT

S.No	Course Code	Course Name	Category
1	19UEE302	Electrical Circuit Analysis	Employability
2	19UEE303	Electrical Machines - I	Employability
3	19UEE304	Analog Electronics	Employability
4	19UEE305	Electromagnetic Fields	Employability
5	19UEE306	Electrical Measurements and Instrumentation	Employability
6	19UEE308	Electric circuits Laboratory	Employability
7	19UEE309	Electrical Machines Laboratory - I	Employability
8	19UEE310	Analog Electronics Laboratory	Employability
9	19UEE307	Seminar	Employability, Entrepreneurship & Skill development
10	19UEE401	Electrical Machines - II	Employability
11	19UEE402	Control Systems	Employability
12	19UEE403	Principles of Digital Electronics	Employability
13	19UEE404	Electric Power Transmission and Distribution	Employability
14	19UEE406	Electrical Machines Laboratory - II	Employability
15	19UEE407	Control and Instrumentation Laboratory	Employability
16	19UEE408	Digital Electronics Laboratory	Employability
17	19UEE501	Power Electronics	Employability
18	19UEE502	Internet of Things for Electrical Automation	Employability / Entrepreneurship / Skill Development
19	19UEE503	Microprocessors and Microcontroller Programming	Employability

S.No	Course Code	Course Name	Category
20	19UEE909	Energy Audit	Employability
21	19UEE912	Robotics and Automation	Employability & Skill Development
22	19UEE507	Creative Thinking and Innovation	Employability / Entrepreneurship / Skill Development
23	19UEE508	Power Electronics Laboratory	Employability & Skill Development
24	19UEE509	Microprocessors and Microcontroller Programming Laboratory	Employability & Skill Development
25	19UEE601	Electric Drives and Control	Employability
26	19UEE602	Power System Analysis	Employability
27	19UEE902	High Voltage Engineering	Employability
28	19UEE904	Special Electrical Machines	Employability
29	19UEE607	Product Development Project	Employability & Skill Development
30	19UEE608	Electric Drives and Control Laboratory	Employability



Chairman
Board of Studies
Electrical and Electronics Engineering



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

**MINUTES OF EIGHTH BOARD OF STUDIES MEETING IN DEPARTMENT OF
 ELECTRICAL AND ELECTRONICS ENGINEERING HELD ON 28.08.2020**

The Eighth Board of Studies (BoS) Meeting in Department of Electrical and Electronics Engineering was held on 28th August, 2020 at 2PM through “Google Meet – online Platform” in Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

S.NO	NAME OF THE FACULTY	DESIGNATION	POSITION
1.	Dr.A.Srinivasan	Professor&Head	Chairman
2.	Dr.B.MeenakshiSundaram	Professor	Member
3.	Dr.J.BastinSolaiNazaran	Professor	Member
4.	Dr.G.Soundra Devi	Associate Professor	Member
5.	Mrs.J.Rahila	Associate Professor	Member
6.	Dr.S.Vijayarajan	Associate Professor	Member
7.	Dr.R.M.Sasi Raja	Associate Professor	Member
8.	Dr.M.Abdul Kareem	Associate Professor	Member
9.	Dr .J.Jeyashanthi	Assistant Professor(Sr.Grade)	Member
10.	Mr.V.Kannan	Assistant Professor(Sr.Grade)	Member
11.	Mrs.V.HemaMaheshwari	Assistant Professor(Sr.Grade)	Member
12.	Mrs.P.Meenalochini	Assistant Professor(Sr.Grade)	Member
13.	Mrs.S.Rohini	Assistant Professor(Sr.Grade)	Member
14.	Dr.M.Palpandian	Assistant Professor(Sr.Grade)	Member
15.	Mr.K.Mahesh Kumar	Assistant Professor(Sr.Grade)	Member

S.NO	NAME OF THE FACULTY	DESIGNATION	POSITION
16.	Dr.G.Narmadha	Assistant Professor(Sr.Grade)	Member
17.	Mr.V.Muthuvel	Assistant Professor(Sr.Grade)	Member
18.	Mr.S.Kannadasan	Assistant Professor(Sr.Grade)	Member
19.	Mr.V.Dhayanithi	Assistant Professor (Sr.Grade)	Member
20.	Mr.T.Murugan	Assistant Professor(Sr.Grade)	Member
21.	Mr.S.Sugumar	Assistant Professor (Sr.Grade)	Member
22.	Mr.M.Ramuvel	Assistant Professor	Member
23.	Mr.M.MuhammedAladueenAshiq	Assistant Professor	Member
24.	Ms.C.Sonia	Assistant Professor	Member
25.	Mr.T.HarishBabu	Assistant Professor	Member
26.	Ms.V.S.Chithra	Assistant Professor	Member
27.	Mr.K.Jeyakanth	Assistant Professor	Member
28.	Mr.S.Syed Abdul Haq	Assistant Professor	Member
29.	Mr.C.Immanuvel	Assistant Professor	Member
30.	Mrs.R.S.Bharathi	Assistant Professor	Member
31.	Mrs.K.Elavarasi	Assistant Professor	Member
32.	Mr.C.Shiva	Assistant Professor	Member
33.	Mrs.V.Vaishnavi	Assistant Professor	Member

S.NO	FACULTY NAME	DESIGNATION	POSITION
34.	Dr.V.MALATHI	Professor & Dean Department of EEE, Anna University Regional Campus, Madurai. Tamil Nadu, India -625019	Member nominated by VC
35.	Dr. RAJAN PRAKASH	Assistant Professor Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu	Member
36.	Dr. G.Y. RAJAA VIKHRAM	Assistant Professor Department of Electronics and Instrumentation Engineering, SRM Institute of Science and Technology, Potheri, Kattankulathur – 603203, Tamilnadu	Member
37.	Mr. A. EASWARAN (Expert from Industry Relating to Placement)	Proprietor Jothi Electrical Industries, No.2, RC Street, Pazhanganatham, Madurai – 625003.	Member
38.	J. Vimalraj (Under Graduate Alumni)	R & D, Premier Evolvics Pvt. Ltd., SF No.79/6, Kulathur Road, Venkitapuram Post, Irugur, Coimbatore – 641062, Tamilnadu.	Member

39.	Dr. K. Hemalatha	Dean / Academics, Sethu Institute of Technology	Member
40.	Mrs. S.M. Nazia Fathima	Director (R & D), Sethu Institute of Technology	Member

The Chairman welcomed all the members to the Eighth Board of Studies Meeting and presented the Curricula and Syllabi of Second year courses which are being followed from the academic year 2020-2021 under Autonomous Regulations 2019 (R2019) for B.E. Electrical and Electronics Engineering. He also presented the proposed Curriculum structure of R2019. The Curricula and Syllabi of M.E. Power Electronics and Drives (Full time) has also been presented to the Board of Studies Members.

After the presentation, the following resolutions have been made by the Board of Studies Members.

B.E. Electrical and Electronics Engineering – 2020-21 under Autonomous Regulation R-2019

1. Revised Department Vision, Mission, Program Educational Objectives (PEO), Program Outcomes (PO) and Program Specific Outcomes (PSO) of the UG Programme

- The Board of Studies Chairman presented the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme.

Board of Studies resolved to approve and recommend the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme to the Academic Council. The Vision, Mission, PEOs, POs and PSOs of the UG Programme are given in Annexure I.

2. Analysis of Stakeholders feedback regarding curriculum and syllabi

- The Board of Studies Chairman presented the stakeholders' feedback regarding curricula and syllabi of R2015. The reflections of the stakeholders' feedback in the R2019 Curriculum structure are given in Annexure II.

Board of Studies resolved to approve the modifications based on the stakeholders' feedback in R2019 curriculum structure.

3. Multi/Inter disciplinary Theory courses

- The Board of Studies Chairman presented the Multi/Interdisciplinary theory courses which will be offered by the Department of Electrical and Electronics Engineering and is given in Annexure III.
- Mr.A.Easwaran suggested to offer project based courses for enhancing the project based learning through Product Development.
- Board of Studies Chairman clarified the suggestion given by Mr.A.Easwaran.

Board of Studies resolved to approve and recommend the presented Multi/Interdisciplinary theory courses in R2019 curriculum.

4. Classification of courses having focus on employability/ entrepreneurship/ skill development

- The Board of Studies Chairman presented the categorization of R2019 courses based on the employability/ entrepreneurship/ skill development as given in Annexure IV.
- Mr. J. Vimalraj suggested to offer more practical oriented courses in order to improve the employability.
- Board of Studies Chairman has agreed to offer the practical oriented course as Value added course in each semester.

Board of Studies resolved to approve the classification of R2019 courses which focus on employability/ entrepreneurship/ skill development

5. Suggestions for improving the R2019 curriculum structure

- Dr.V.Malathi suggested to represent the specific course name instead of Power System I, Power System II and Power System III. She also suggested to split the topics related to Protection and Switch Gear from the course Power System I and suggested to offer that topics in higher semesters.
- Dr. V. Malathi suggested to refer GATE syllabus while integrating the new courses to ensure that all the basic topics are covered.

- Dr. V. Malathi suggested to prove the novelty in Curriculum and Syllabus of R2019 apart from the regulation based novelty.
- Board of Studies members accepted the above suggestions and the Chairman agreed to modify and rename the courses Power System I, Power system II and Power system III. Board of Studies Chairman has also explained the novelty in curriculum and syllabus of R2019 which has been framed on the basis of GATE syllabus.
- Dr.R.RajanPrakash also suggested to offer a crash course at the end of each year in order to recollect the concepts studied in that year. He suggested to add Design thinking and system thinking as one credit course.
- Board of Studies Chairman has agreed to include the above suggestion given by Dr.R.RajanPrakash in near future and also represented the course “Creative Thinking and Innovation” which is already offered with one credit in fifth semester of R2019 Curriculum.
- Dr. K. Hemalatha suggested to offer more number of integrated courses in Program Electives.
- Board of Studies Chairman has pointed that already three courses namely, Consumer Electronics, PCB Design and PLC and SCADA Applications are offered as Program Elective in R2019.
- Mrs. Nazia Fatima suggested to offer courses based on the research thrust areas like biosystems, intelligent systems, design automation and photonics.
- Board of Studies Chairman has agreed to offer the courses related to research thrust areas in the Program Elective Sources.
- *Board of Studies resolved to approve the above suggestions that could be incorporated in the R2019 curriculum and syllabus of Electrical and Electronics Engineering.*

6. Percentage if change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the third and fourth semester syllabus of R2019 with reference to the syllabus of R2015.

- Percentage change in Syllabus of Third and Fourth Semester courses as follows

SEMESTER III

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19UEE302	Electrical Circuit Analysis	Old	25%
2	19UEE303	Electrical Machines - I	Old	25%
3	19UEE304	Analog Electronics	Semiconductor devices and circuits and Analog Integrated Circuits of R2015	
4	19UEE305	Electromagnetic Fields	Old	16%
5	19UEE306	Electrical Measurements and Instrumentation	Old	29%
6	19UEE308	Electric circuits Laboratory	Old	8%
7	19UEE309	Electrical Machines Laboratory - I	Old	7%
8	19UEE310	Analog Electronics Laboratory	Old	8 %

SEMESTER IV

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19UEE401	Electrical Machines - II	Old	36%
2	19UEE402	Control Systems	Old	26%
3	19UEE403	Digital Electronics	Old	42%
4	19UEE404	Electric Power Transmission and Distribution	Old	20 %
5	19UEE406	Electrical Machines Laboratory - II	Old	10%
7	19UEE408	Digital Electronics Laboratory	Old	9 %

Board of Studies resolved to approve and recommend the above changes in Third and Fourth Semester courses of R2019 curriculum and syllabus of Electrical and Electronics Engineering

7. List of New Courses under Regulation 2019

Board of Studies Chairman presented the list of new courses in Third and Fourth Semester of R2019 curriculum of B.E - EEE and also listed the new courses which have been proposed to include in new curriculum structure of B.Tech (Computer Science and Business Systems).

List of New Courses in B.E (EEE) - R2019 Curriculum

Sl.No.	Course Code	Course Title	L	T	P	C
1	19UIT426	Data Structure using C (Integrated Course)	3	0	3	4.5
2	19UEE307	Seminar	1	0	0	1
3	19UGM332	Biology for Engineering Applications	2	0	0	P/F
4	19UGM431	Gender Equality	1	0	0	P/F

List of New Courses in B.Tech (Computer Science and Business Systems) – R2019

Sl.No.	Course Code	Course Title	L	T	P	C
1	19UEE125	Principles of Electrical Engineering	3	0	0	3
2	19UEE128	Electrical Engineering Laboratory	0	0	3	1.5

Board of Studies resolved to approve the above list of new courses that could be included in the R2019 Curriculum of B.E (Electrical and Electronics Engineering) and B.Tech (Computer Science and Business Systems).

8. Assessment Plan and Methodology

Board of Studies Chairman has presented the Assessment plan and methodology to be carried out for assessing the outcome of third and fourth semester Courses.

Board of Studies resolved to approve the proposed assessment plan and methodology for assessing the outcome of third and fourth semester Courses with or without modifications if necessary subject to the practical considerations.

9. Approval for the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

- The Chairman presented the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.
- The Chairman explained the norms followed in the College for question paper setting in which faculty competency and expertise are also considered.

Board of Studies resolved to approve the list of examiners from other colleges invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Curriculum (R2019) of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2020-2021 under autonomous regulations with the above modifications to the Academic council.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Syllabi of Second year courses of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2020-2021 under autonomous regulations with the above modifications to the Academic council.

M.E. Power Electronics and Drives (Full Time) – 2020-21 under Autonomous Regulation R-2019

The members discussed thoroughly the new curriculum and Syllabi for M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2020 - 2021 under autonomous regulation.

Percentage if change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the Core paper in second semester and elective syllabus of R2019 with reference to the syllabus of R2015.

Percentage change in Syllabus of courses as follows

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19PPE201	Electric Drives System	New	20%
3	19PPE519	Electric Power Quality	Old	20%

The Board of Studies of Department of Electrical and Electronics Engineering resolved to approve and recommend the Curriculum and Syllabi of M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2020-21 under autonomous regulations with the above modifications to the Academic Council.

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) which is being followed from the academic year 2020-21 under Autonomous regulations.



Chairman

Board of Studies

Electrical and Electronics Engineering

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



SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

PULLOOR, KARIAPATTI – 626 115

MINUTES OF NINTH BOARD OF STUDIES MEETING IN DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING HELD ON 13.08.2021

The Ninth Board of Studies (BoS) Meeting in Department of Electrical and Electronics Engineering was held on 13th August, 2021 at 11 AM through “Google Meet – online Platform”.

The following members were present:

S.NO	FACULTY NAME	DESIGNATION	POSITION
1.	Dr.A.Srinivasan	Professor &Head	Chairman
2.	Dr.B.Meenakshi Sundaram	Professor & PG Head	Member
3.	Dr. K. Kanimozhi	Professor	Member
4.	Dr.G.Soundra Devi	Professor	Member
5.	Dr.S.Vijayarajan	Associate Professor	Member
6.	Dr.R.M.Sasi Raja	Associate Professor	Member
7.	Dr.M.Abdul Kareem	Associate Professor	Member
8.	Dr.G.Narmadha	Associate Professor	Member
9.	Dr .J.Jeyashanthi	Associate Professor	Member
10.	Mrs.P.Meenalochini	Assistant Professor(Sr.Grade)	Member
11.	Mrs.S.Rohini	Assistant Professor(Sr.Grade)	Member
12.	Mr.K.Mahesh Kumar	Assistant Professor(Sr.Grade)	Member
13.	Mr.V.Muthuvel	Assistant Professor(Sr.Grade)	Member
14.	Mr.S.Kannadasan	Assistant Professor(Sr.Grade)	Member
15.	Mr.T.Murugan	Assistant Professor(Sr.Grade)	Member
16.	Mr.S.Sugumar	Assistant Professor (Sr.Grade)	Member

S.NO	FACULTY NAME	DESIGNATION	POSITION
17.	Ms.C.Sonia	Assistant Professor	Member
18.	Mr.T.Harish Babu	Assistant Professor	Member
19.	Mr.S.Syed Abdul Haq	Assistant Professor	Member
20.	Mr.C.Immanuvel	Assistant Professor	Member
21.	Mrs.R.S.Bharathi	Assistant Professor	Member
22.	Mr.C.Shiva	Assistant Professor	Member
23.	Mrs.V.Vaishnavi	Assistant Professor	Member

S.NO	NAME OF THE MEMBER	DESIGNATION	POSITION
24.	Dr.V.Malathi	Professor & Dean Department of EEE, Anna University Regional Campus, Madurai. Tamil Nadu, India -625019	Member nominated by VC
25.	Dr. Rajan Prakash	Assistant Professor Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu	Member
26.	Dr. G.Y. Rajaa Vikhram	Assistant Professor Department of Electronics and Instrumentation Engineering, SRM Institute of Science and Technology, Potheri, Kattankulathur – 603203, Tamilnadu	Member
27.	Mr. A. Easwaran (Expert from Industry Relating to Placement)	Proprietor Jothi Electrical Industries, No.2, RC Street, Pazhanganatham, Madurai – 625003.	Member
28.	J. Vimalraj (Under Graduate Alumni)	R & D, Premier Evolvics Pvt. Ltd., SF No.79/6, Kulathur Road, Venkitapuram Post, Irugur, Coimbatore – 641062, Tamilnadu.	Member
29.	Mrs. S.M. Nazia Fathima	Director (R & D), Sethu Institute of Technology	Member

The Chairman welcomed all the members to the Ninth Board of Studies Meeting and presented the Curricula and Syllabi of Third year courses which are being followed from the academic year 2021-2022 under Autonomous Regulations 2019 (R2019) for B.E. Electrical and Electronics Engineering. He also presented the proposed Curriculum structure of R2019. The Curricula and Syllabi of M.E. Power Electronics and Drives (Full time) has also been presented to the Board of Studies Members.

After the presentation, the following resolutions have been made by the Board of Studies Members.

B.E. Electrical and Electronics Engineering – 2021-22 under Autonomous Regulation R-2019

1. Department Vision, Mission, Program Educational Objectives (PEO), Program Outcomes (PO) and Program Specific Outcomes (PSO) of the UG Programme

The Board of Studies Chairman presented the Vision, Mission, PEOs, POs and PSOs of the UG Programme.

Board of Studies resolved to approve and recommend the Vision, Mission, PEOs, POs and PSOs of the UG Programme to the Academic Council.

2. Analysis of Stakeholders feedback regarding curriculum and syllabi

The Board of Studies Chairman presented the stakeholders' feedback regarding curricula and syllabi of R2019.

Board of Studies resolved to approve the modifications based on the stakeholders' feedback in R2019 curriculum structure.

3. Mandatory, Industry designed courses and Multi/Inter disciplinary Theory courses

The Board of Studies Chairman presented the Mandatory courses, Industry designed courses and Multi/Interdisciplinary theory courses which will be offered by the Department of Electrical and Electronics Engineering.

Board of Studies resolved to approve and recommend the Mandatory courses, Industry designed courses and Multi/Interdisciplinary theory courses in R2019 curriculum.

4. Classification of courses having focus on employability/ entrepreneurship/ skill development

The Board of Studies Chairman presented the categorization of R2019 courses based on the employability/ entrepreneurship/ skill development.

Board of Studies resolved to approve the classification of R2019 courses which focus on employability/ entrepreneurship/ skill development

5. Suggestions for improving the R2019 curriculum structure

- Dr. V. Malathi suggested to include the topics “Introduction to advanced Power System Analysis and applications of power System Analysis” in the course “Power System Analysis”.
- Dr.R.RajanPrakash suggested to include assignments of NPTEL courses for the internal assessment of the course “Microprocessor and Microcontroller Programming”.
- Dr. Raja Vickram Suggested to include the topic “Real time stability Analysis” in Module V of the course “Power System Analysis”. He also suggested to include the topic “Applications of Power Electronics” in the Course “Power Electronics”.
- Mr. Vimalraj suggested to include the topic “UART” in the course “Microprocessor and Microcontroller Programming”.
- *Board of Studies resolved to approve the above suggestions that could be incorporated in the R2019 curriculum and syllabus of Electrical and Electronics Engineering.*

6. Percentage if change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the third and fourth semester syllabus of R2019 with reference to the syllabus of R2015.

- **Percentage change in Syllabus of Fifth and Sixth Semester courses as follows**

SEMESTER V

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19UEE501	Power Electronics	Old	12%
2	19UEE502	Internet of Things for Electrical Automation	New	
3	19UEE503	Microprocessor and Microcontroller Programming	Old	40%
4	19UEE507	Creative Thinking and Innovation	New	
5	19UEE508	Power Electronics Laboratory	Old	30%
6	19UEE509	Microprocessor and Microcontroller Programming Laboratory	Old	20%

SEMESTER VI

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19UEE601	Electric Drives and Control	Old	38%
2	19UEE602	Power System Analysis	Old	20%
3	19UEE607	Project and Product Development	New	
4	19UEE608	Electric Drives and Control Laboratory	Old	20%

Board of Studies resolved to approve and recommend the above changes in fifth and sixth Semester courses of R2019 curriculum and syllabus of Electrical and Electronics Engineering

7. List of New Courses under Regulation 2019

Board of Studies Chairman presented the R2019 curriculum structure and also introduce the course “19UEE125 - Principles of Electrical Engineering” and “19UEE128 – Electrical Engineering Laboratory” which have been proposed to include in new curriculum structure of B.Tech (Artificial Intelligence and Data Science) and it is common to B.Tech (Computer Science and Business Systems).

Board of Studies resolved to approve the following course that could be included in the R2019 Curriculum of B.Tech (Artificial Intelligence and Data Science).

Sl.No.	Course Code	Course Title	L	T	P	C
1	19UEE125	Principles of Electrical Engineering (Common to CSBS and AI & DS)	3	0	0	3
2	19UEE128	Electrical Engineering Laboratory (Common to CSBS and AI & DS)	0	0	3	1.5

8. Assessment Plan and Methodology

Board of Studies Chairman has presented the Assessment plan and methodology to be carried out for assessing the outcome of fifth and sixth semester Courses.

Board of Studies resolved to approve the proposed assessment plan and methodology for assessing the outcome of fifth and sixth semester Courses with or without modifications if necessary subject to the practical considerations.

9. Approval for the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

- The Chairman presented the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.
- The Chairman explained the norms followed in the College for question paper setting in which faculty competency and expertise are also considered.

Board of Studies resolved to approve the list of examiners from other colleges invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Curriculum (R2019) of B.E. Electrical & Electronics Engineering which has been followed from the academic year 2019-2020 under autonomous regulations with the above modifications to the Academic council.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Syllabi of Third year courses of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2021-2022 under autonomous regulations with the above modifications to the Academic council.

M.E. Power Electronics and Drives (Full Time) – 2020-21 under Autonomous Regulation R-2019

The members discussed thoroughly the new curriculum and Syllabi for M.E. Power Electronics and Drives (Full Time) which has been followed from the academic year 2019 - 2020 under autonomous regulation.

The Board of Studies of Department of Electrical and Electronics Engineering resolved to approve and recommend the Curriculum and Syllabi of M.E. Power Electronics and Drives (Full Time) which has been followed from the academic year 2019-20 under autonomous regulations to the Academic Council.

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) which has been followed from the academic year 2019-20 under Autonomous regulations.



Chairman

Board of Studies

Electrical and Electronics Engineering




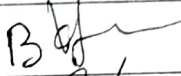
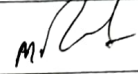
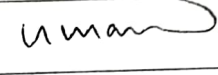
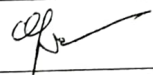
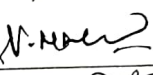
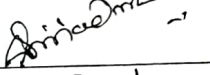
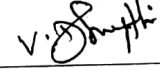


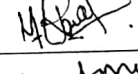


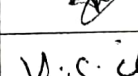
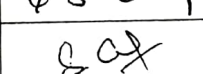

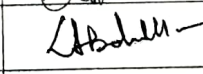
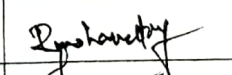
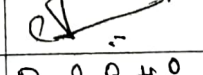
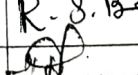
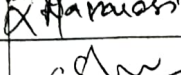
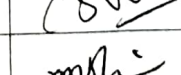
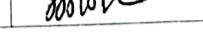

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**MINUTES OF SEVENTH BOARD OF STUDIES MEETING IN DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING HELD ON 30.08.2019**

The Seventh Board of Studies (BoS) Meeting in Department of Electrical and Electronics Engineering was held on 30th August, 2019 in EEE Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

S.NO	FACULTY NAME	DESIGNATION	POSITION	SIGNATURE
1.	Dr.A.Srinivasan	Professor & Head	Chairman	
2.	Dr.B.Meenakshi Sundaram	Professor	Member	
3.	Dr.J.Bastin Solai Nazaran	Professor	Member	
4.	Mrs.G.Soundra Devi	Associate Professor	Member	
5.	Mrs.J.Rahila	Associate Professor	Member	
6.	Dr.S.Vijayarajan	Associate Professor	Member	
7.	Dr.R.M.Sasi Raja	Associate Professor	Member	
8.	Dr.A.Marikannan	Associate Professor	Member	
9.	Dr.M.Abdul Kareem	Associate Professor	Member	
10.	Mr.J.Kumaresan	Assistant Professor (Sr.Grade)	Member	
11.	Mrs.J.Jeyashanthi	Assistant Professor (Sr.Grade)	Member	
12.	Mr.V.Kannan	Assistant Professor (Sr.Grade)	Member	
13.	Mrs.V.Hema Maheshwari	Assistant Professor (Sr.Grade)	Member	
14.	Mrs.P.Meenalochini	Assistant Professor (Sr.Grade)	Member	

S.NO	FACULTY NAME	DESIGNATION	POSITION	SIGNATURE
15.	Mrs.S.Rohini	Assistant Professor (Sr.Grade)	Member	
16.	Mr.B.Karthikeyan	Assistant Professor (Sr.Grade)	Member	
17.	Mr.M.Palpandian	Assistant Professor (Sr.Grade)	Member	
18.	Mr.K.Mahesh Kumar	Assistant Professor (Sr.Grade)	Member	
19.	Dr.G.Narmadha	Assistant Professor (Sr.Grade)	Member	
20.	Mr.V.Muthuvel	Assistant Professor (Sr.Grade)	Member	
21.	Mr.S.Kannadasan	Assistant Professor (Sr.Grade)	Member	
22.	Mr.V.Dhayanithi	Assistant Professor (Sr.Grade)	Member	
23.	Mr.T.Murugan	Assistant Professor (Sr.Grade)	Member	
24.	Mr.S.Sugumar	Assistant Professor (Sr.Grade)	Member	
25.	Mr.M.Ramuvel	Assistant Professor	Member	
26.	Mr.M.Muhammed Aladueen Ashiq	Assistant Professor	Member	
27.	Ms.C.Sonia	Assistant Professor	Member	
28.	Mr.T.Harish Babu	Assistant Professor	Member	
29.	Ms.V.S.Chithra	Assistant Professor	Member	
30.	Mr.S.Gopinath	Assistant Professor	Member	
31.	Mr.K.Jeyakanth	Assistant Professor	Member	
32.	Mr.S.Syed Abdul Haq	Assistant Professor	Member	
33.	Mr.R.Mohammed Abdullah	Assistant Professor	Member	
34.	Mr.C.Immanuvel	Assistant Professor	Member	
35.	Mrs.R.S.Bharathi	Assistant Professor	Member	
36.	Mrs.K.Elavarasi	Assistant Professor	Member	
37.	Mr.C.Shiva	Assistant Professor	Member	
38.	Mrs.V.Vaishnavi	Assistant Professor	Member	

SL.NO	FACULTY NAME	DESIGNATION	POSITION	SIGNATURE
39.	DR.V.MALATHI	Professor & Dean Department of Electrical and Electronics Engineering, Anna University Regional Campus, Madurai – 625019 Tamil Nadu , India.	Member nominated by VC	
40.	DR. RAJAN PRAKASH	Assistant Professor Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu	Member	
41.	DR. G.Y. RAJAA VIKHRAM	Assistant Professor Department of Electronics and Instrumentation Engineering, Tech Park 14 th Floor, SRM Institute of Science and Technology, Potheri, Kattankulathur – 603203, Kancheepuram, Tamilnadu	Member	
42.	MR. A. EASWARAN (Expert from Industry Relating to Placement)	Proprietor Jothi Electrical Industries, No.2, RC Street, Pazhanganatham, Madurai – 625003.	Member	
43.	J. VIMALRAJ (Under Graduate Alumni)	R & D, Premier Evolvics Pvt. Ltd., SF No.79/6, Kulathur Road, Venkitapuram Post, Irugur, Coimbatore – 641062, Tamilnadu.	Member	

The Chairman welcomed all the members to the Seventh Board of Studies Meeting and presented the Curricula and Syllabi of First year courses which are being followed from the academic year 2019-2020 under Autonomous Regulations 2019 (R2019) for B.E. Electrical and Electronics Engineering. He also presented the proposed Curriculum structure of R2019. The Curricula and Syllabi of M.E. Power Electronics and Drives (Full time) has also been presented to the Board of Studies Members.

After the presentation, the following resolutions have been made by the Board of Studies Members.

B.E. Electrical and Electronics Engineering – 2019-20 under Autonomous Regulation R-2019

1. Revised Department Vision, Mission, Program Educational Objectives (PEO), Program Outcomes (PO) and Program Specific Outcomes (PSO) of the UG Programme

- The Board of Studies Chairman presented the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme.
- Dr.V.Malathi queried that the revised PSO of the UG Programme should match with the courses of R2019 Curriculum.
- Board of Studies Chairman clarified the query which has been raised by Dr.V.Malathi by showing the evident courses of R2019 related to PSO.

Board of Studies resolved to approve and recommend the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme to the Academic Council. The Vision, Mission, PEOs, POs and PSOs of the UG Programme are given in Annexure I.

2. Analysis of Stakeholders feedback regarding curriculum and syllabi

- The Board of Studies Chairman presented the stakeholders' feedback regarding curricula and syllabi of R2015. The reflections of the stakeholders' feedback in the R2019 Curriculum structure are given in Annexure II.
- Dr.G.Y.RajaaVikhraminsisted to get some more feedback from the eminent alumni who are working in core companies.

- Board of Studies Chairman accepted to get the feedback from eminent alumni who are working in core companies regarding curriculum and syllabi

Board of Studies resolved to approve the modifications based on the stakeholders' feedback in R2019 curriculum structure.

3. Multi/Inter disciplinary Theory courses

- The Board of Studies Chairman presented the Multi/Interdisciplinary theory courses which will be offered by the Department of Electrical and Electronics Engineering and is given in Annexure III.
- Mr.A.Easwaran suggested to offer project based Multi/Interdisciplinary courses for enhancing the project based learning through Product Development.
- Board of Studies Chairman clarified the suggestion given by Mr.A.Easwaran.

Board of Studies resolved to approve and recommend the presented Multi/Interdisciplinary theory courses in R2019 curriculum.

4. Classification of courses having focus on employability/ entrepreneurship/ skill development

- The Board of Studies Chairman presented the categorization of R2019 courses based on the employability/ entrepreneurship/ skill development as given in Annexure IV.
- Dr.G.Y.Rajaa Vikhram suggested to identify some more courses under entrepreneurship/ skill development.
- Board of Studies Chairman accepted the suggestion given by Dr.G.Y.Rajaa Vikhram.

Board of Studies resolved to approve the classification of R2019 courses which focus on employability/ entrepreneurship/ skill development

5. List of New Courses under Regulation 2019

- Board of Studies Chairman presented the R2019 curriculum structure and also listed the new courses which have been proposed to include in new curriculum structure.

- Dr.V.Malathi suggested to shift the newly added Course “Smart Grid” from Seventh Semester to Professional Elective. She also suggested to include few IT related courses in Electives.
- Board of Studies members accepted the suggestions given by Dr.V.Malathi and the corresponding modifications are incorporated in R2019 model Curriculum.
- Dr.G.Y.RajaaVikhram suggested to include the course called “Advanced Control Theory” in the R2019 curriculum.
- Board of Studies chairman explained that the courses “Non-linear control systems” and “Digital Control Systems” which have been listed in the Professional Elective may be effective for the students instead of the course “Advanced Control Theory”.

Board of Studies resolved to approve the following list of new courses that could be included in the R2019 Curriculum

Newly Added Courses	
SEMESTER	NAME OF THE COURSE
I	<ol style="list-style-type: none"> 1. Induction Programme 2. Problem solving and Python Programming 3. Problem solving and Python Programming Lab
II	<ol style="list-style-type: none"> 1. Introduction to Electrical and Electronics Engineering 2. Introduction to Electrical and Electronics Engineering Lab
III	<ol style="list-style-type: none"> 1. Seminar 2. Biology for Engineers
IV	<ol style="list-style-type: none"> 1. Data Structures and Algorithm (Integrated Course) 2. Gender Equality
V	<ol style="list-style-type: none"> 1. Internet of Things for Electrical Automation 2. Creative Thinking and Innovation
VI	<ol style="list-style-type: none"> 1. Technical Project and Product Development 2. Interpersonal Skills Laboratory 3. Indian Constitution and Essence of Indian Traditional Knowledge in Electrical Engineering
VII	<ol style="list-style-type: none"> 1. Electric and Hybrid Vehicles 2. Renewable Energy Laboratory 3. Summer Internship

Professional Elective Courses	<ol style="list-style-type: none"> 1. Electrical Safety 2. Robotics and Automation 3. Solar and Wind Energy Systems 4. Application of Power Electronics to Power Systems 5. Modern optimization techniques for Electric Power Systems 6. Non-Linear Control Systems 7. Digital Control Systems 8. Design with PIC Microcontrollers 9. Machine Learning 10. EHV AC and DC Transmission 11. Fuzzy systems and Genetic Algorithms 12. Sensing Techniques and Sensor Systems 13. Intelligent Motor Controllers 14. Energy Efficient Motors 15. Low Power Microcontroller 16. Consumer Electronics (Integrated Course) 17. PCB Design (Integrated Course) 18. PLC and SCADA Applications (Integrated Course) 19. Smart Grid 20. VLSI Design with Verilog HDL
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6. Suggestions for improving the R2019 curriculum structure

- Dr.V.Malathi suggested to include the topic “How to write Project Proposal” in the course “Project Management and Finance” which will be offered by the Department of Mechanical Engineering. She also suggested to rename the Course “Signal Processing” as “Digital Signal Processing for Electrical Engineers” which will be offered by the Department of Electronics and Communication Engineering.
- Board of Studies members accepted the above suggestions and the Chairman agreed to intimate the above suggestions to the respective Board of Studies Chairman.

- Dr.R.RajanPrakash suggested to reduce the number of domains which have been presented by the Board of Studies Chairman.
- Dr.R.RajanPrakash also suggested to offer a crash course at the end of each year in order to recollect the concepts studied in that year.
- Board of Studies Chairman has agreed to include the above suggestions given by Dr.R.RajanPrakash in near future.
- Mr.A.Easwaran suggested to offer more number of value added courses to enhance the practical knowledge.
- Board of Studies members have accepted the suggestion and the chairman acknowledged to offer Value added Course in every semester.

Board of Studies resolved to approve the above suggestions that could be incorporated in the R2019 curriculum of Electrical and Electronics Engineering.

7. Percentage if change in the Curriculum and for each course in Regulation 2019

- When discussing the First and Second semester courses, Dr.V.Malathi suggested to rearrange the topics of the Course “Basic Electrical and Electronics Engineering” which will be offered the Department of EEE to other departments as follows
 - UNIT – I : DC and AC circuits
 - UNIT – II : DC Machines and Transformers
 - UNIT – III : AC Machines
 - UNIT – IV : Special Machines
 - UNIT – V : Introduction to Electronics
- Board of Studies members accepted the suggestion given by Dr.V.Malathi and the Chairman acknowledged to incorporate the corresponding modifications in the course “Basic Electrical and Electronics Engineering”.
- **Percentage change in Syllabus of First and Second Semester courses as follows**

S.No.	Name of the Course	Percentage change in Syllabus
1	Basic Electrical and Electronics Engineering	47%
2	Basic Electrical and Electronics Engineering Laboratory	54%

Board of Studies resolved to approve and recommend the following Second Semester courses to the Academic Council

Sl.No.	Department	Course Title	L	T	P	C
1	EEE	Introduction to Electrical and Electronics Engineering	3	0	0	3
2	EEE	Introduction to Electrical and Electronics Engineering Laboratory	0	0	3	1.5
3	Mech, Civil, Agri& Chemical	Basic Electrical and Electronics Engineering	3	0	0	3
4	Agri& Chemical	Basic Electrical and Electronics Engineering Laboratory	0	0	3	1.5

8. Approval for the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

- The Chairman presented the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.
- Dr.V.Malathi suggested to consider the faculty competency and expertise for question paper setting.
- The Chairman explained the norms followed in the College for question paper setting in which faculty competency and expertise are also considered.

Board of Studies resolved to approve the list of examiners from other colleges invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Curriculum (R2019) of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2019-2020 under autonomous regulations with the above modifications to the Academic council.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Syllabi of Second year courses of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2019-2020 under autonomous regulations with the above modifications to the Academic council.

M.E. Power Electronics and Drives (Full Time) – 2019-20 under Autonomous Regulation R-2019

The members discussed thoroughly the new curriculum and Syllabi for M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2019 - 2020 under autonomous regulation.

Percentage of change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the Core paper in second semester and elective syllabus of R2019 with reference to the syllabus of R2015.

Percentage change in Syllabus of courses as follows

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19PPE201	Electric Drives System	DC Drives and Control & AC Drives and Control of R2015	

List of new courses under Regulation 2019

- Dr.V.Malathi suggested to rename the course "English for Research paper writing" as "Research paper writing"
- Board of studies Chairman replied that course name has been fixed as per AICTE 2018 PG model curriculum

NEWLY ADDED COURSES	
SEMESTER	NAME OF THE COURSE
I	Power Quality Laboratory
II	1. Digital control of power electronic and Drive systems 2. Embedded control of power electronic and drives laboratory 3. Mini project with seminar

Program Electives	<ol style="list-style-type: none"> 1. Advanced Power Electronic Circuits 2. Optimal and Adaptive Control 3. Dynamics of Electrical Machines 4. Harmonics Filter Design 5. Advanced Control Of Electric Drives 6. Automotive Electronics 7. Switched Mode and Resonant Converters 8. Modern Industrial Drives 9. Advanced Digital Signal Processing 10. Advanced Microcontroller based Systems 11. SCADA Systems and Applications 12. FACTS and Custom Power Devices
Open Elective	Bio Energy From Waste

Board of Studies resolved to approve the list of new courses that could be included in the R2019 Curriculum

3. Suggestions for improving the R2019 curriculum structure

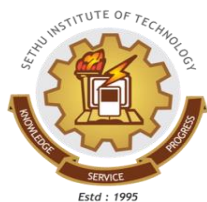
- Mr. A. Easwaran suggested to include the consultancy activity in the Power Quality Laboratory course.
- Board of Studies Chairman accepted and acknowledged to include the consultancy activity in the Power Quality Laboratory course.

The Board of Studies of Department of Electrical and Electronics Engineering resolved to approve and recommend the Curriculum and Syllabi of M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2019-20 under autonomous regulations with the above modifications to the Academic Council.

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) which is being followed from the academic year 2019-20 under Autonomous regulations.


Chairman
Board of Studies

Electrical and Electronics Engineering
Dr. A. SRINIVASAN M.E., Ph.D.,
PROFESSOR & HEAD
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SETHU INSTITUTE OF TECHNOLOGY
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
M.E., Power Electronics & Drives
Course categorization-Employability/Entrepreneurship/Skill Development

S.No.	Category	Course Code	Name of the Course
1.	Employability	19PPE101	Power Electronic Converters
		19PPE102	Modeling and Analysis of Electrical Machines
		19PPE501	Advanced Power Electronic Circuits
		19PPE503	Dynamics of Electrical Machines
		19PPE505	Advanced Control Of Electric Drives
		19PPE506	Automotive Electronics
		19PPE507	Switched Mode and Resonant Converters
		19PPE508	Modern Industrial Drives
		19PPE511	SCADA Systems and Applications
		19PPE512	FACTS and Custom Power Devices
		19PPE604	Bio Energy From Waste
		19PPE301	Phase-I Dissertation
		19PPE101	Power Electronic Converters
		19PPE102	Modeling and Analysis of Electrical Machines
		19PPE501	Advanced Power Electronic Circuits
		19PPE503	Dynamics of Electrical Machines
		19PPE505	Advanced Control Of Electric Drives
		19PPE506	Automotive Electronics
		19PPE507	Switched Mode and Resonant Converters
		19PPE508	Modern Industrial Drives
		19PPE511	SCADA Systems and Applications
		19PPE512	FACTS and Custom

			Power Devices
		19PPE604	Bio Energy From Waste
		19PPE201	Electric Drives System
		19PPE205	Mini project with seminar
		19PPE401	Project Work (Phase-II)
2.	Entrepreneurship	19PPE301	Phase-I Dissertation
		19PPE519	Electric Power Quality
		19PPE401	Project Work (Phase-II)
		19PPE205	Mini project with seminar
3.	Skill Development	19PPE301	Phase-I Dissertation
		19PPE510	Advanced Microcontroller based Systems
		15PPE501	Power Electronics for PV and Wind energy systems
		15PPE604	Soft Computing
		19PPE510	Advanced Microcontroller based Systems
		19PPE401	Project Work (Phase-II)
		19PPE205	Mini project with seminar



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**MINUTES OF EIGHTH BOARD OF STUDIES MEETING IN DEPARTMENT OF
 ELECTRICAL AND ELECTRONICS ENGINEERING HELD ON 28.08.2020**

The Eighth Board of Studies (BoS) Meeting in Department of Electrical and Electronics Engineering was held on 28th August, 2020 at 2PM through “Google Meet – online Platform” in Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

S.NO	NAME OF THE FACULTY	DESIGNATION	POSITION
1.	Dr.A.Srinivasan	Professor&Head	Chairman
2.	Dr.B.MeenakshiSundaram	Professor	Member
3.	Dr.J.BastinSolaiNazaran	Professor	Member
4.	Dr.G.Soundra Devi	Associate Professor	Member
5.	Mrs.J.Rahila	Associate Professor	Member
6.	Dr.S.Vijayarajan	Associate Professor	Member
7.	Dr.R.M.Sasi Raja	Associate Professor	Member
8.	Dr.M.Abdul Kareem	Associate Professor	Member
9.	Dr .J.Jeyashanthi	Assistant Professor(Sr.Grade)	Member
10.	Mr.V.Kannan	Assistant Professor(Sr.Grade)	Member
11.	Mrs.V.HemaMaheshwari	Assistant Professor(Sr.Grade)	Member
12.	Mrs.P.Meenalochini	Assistant Professor(Sr.Grade)	Member
13.	Mrs.S.Rohini	Assistant Professor(Sr.Grade)	Member
14.	Dr.M.Palpandian	Assistant Professor(Sr.Grade)	Member
15.	Mr.K.Mahesh Kumar	Assistant Professor(Sr.Grade)	Member

S.NO	NAME OF THE FACULTY	DESIGNATION	POSITION
16.	Dr.G.Narmadha	Assistant Professor(Sr.Grade)	Member
17.	Mr.V.Muthuvel	Assistant Professor(Sr.Grade)	Member
18.	Mr.S.Kannadasan	Assistant Professor(Sr.Grade)	Member
19.	Mr.V.Dhayanithi	Assistant Professor (Sr.Grade)	Member
20.	Mr.T.Murugan	Assistant Professor(Sr.Grade)	Member
21.	Mr.S.Sugumar	Assistant Professor (Sr.Grade)	Member
22.	Mr.M.Ramuvel	Assistant Professor	Member
23.	Mr.M.MuhammedAladueenAshiq	Assistant Professor	Member
24.	Ms.C.Sonia	Assistant Professor	Member
25.	Mr.T.HarishBabu	Assistant Professor	Member
26.	Ms.V.S.Chithra	Assistant Professor	Member
27.	Mr.K.Jeyakanth	Assistant Professor	Member
28.	Mr.S.Syed Abdul Haq	Assistant Professor	Member
29.	Mr.C.Immanuvel	Assistant Professor	Member
30.	Mrs.R.S.Bharathi	Assistant Professor	Member
31.	Mrs.K.Elavarasi	Assistant Professor	Member
32.	Mr.C.Shiva	Assistant Professor	Member
33.	Mrs.V.Vaishnavi	Assistant Professor	Member

S.NO	FACULTY NAME	DESIGNATION	POSITION
34.	Dr.V.MALATHI	Professor & Dean Department of EEE, Anna University Regional Campus, Madurai. Tamil Nadu, India -625019	Member nominated by VC
35.	Dr. RAJAN PRAKASH	Assistant Professor Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai, Tamilnadu	Member
36.	Dr. G.Y. RAJAA VIKHRAM	Assistant Professor Department of Electronics and Instrumentation Engineering, SRM Institute of Science and Technology, Potheri, Kattankulathur – 603203, Tamilnadu	Member
37.	Mr. A. EASWARAN (Expert from Industry Relating to Placement)	Proprietor Jothi Electrical Industries, No.2, RC Street, Pazhanganatham, Madurai – 625003.	Member
38.	J. Vimalraj (Under Graduate Alumni)	R & D, Premier Evolvics Pvt. Ltd., SF No.79/6, Kulathur Road, Venkitapuram Post, Irugur, Coimbatore – 641062, Tamilnadu.	Member

39.	Dr. K. Hemalatha	Dean / Academics, Sethu Institute of Technology	Member
40.	Mrs. S.M. Nazia Fathima	Director (R & D), Sethu Institute of Technology	Member

The Chairman welcomed all the members to the Eighth Board of Studies Meeting and presented the Curricula and Syllabi of Second year courses which are being followed from the academic year 2020-2021 under Autonomous Regulations 2019 (R2019) for B.E. Electrical and Electronics Engineering. He also presented the proposed Curriculum structure of R2019. The Curricula and Syllabi of M.E. Power Electronics and Drives (Full time) has also been presented to the Board of Studies Members.

After the presentation, the following resolutions have been made by the Board of Studies Members.

B.E. Electrical and Electronics Engineering – 2020-21 under Autonomous Regulation R-2019

1. Revised Department Vision, Mission, Program Educational Objectives (PEO), Program Outcomes (PO) and Program Specific Outcomes (PSO) of the UG Programme

- The Board of Studies Chairman presented the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme.

Board of Studies resolved to approve and recommend the revised Vision, Mission, PEOs, POs and PSOs of the UG Programme to the Academic Council. The Vision, Mission, PEOs, POs and PSOs of the UG Programme are given in Annexure I.

2. Analysis of Stakeholders feedback regarding curriculum and syllabi

- The Board of Studies Chairman presented the stakeholders' feedback regarding curricula and syllabi of R2015. The reflections of the stakeholders' feedback in the R2019 Curriculum structure are given in Annexure II.

Board of Studies resolved to approve the modifications based on the stakeholders' feedback in R2019 curriculum structure.

3. Multi/Inter disciplinary Theory courses

- The Board of Studies Chairman presented the Multi/Interdisciplinary theory courses which will be offered by the Department of Electrical and Electronics Engineering and is given in Annexure III.
- Mr.A.Easwaran suggested to offer project based courses for enhancing the project based learning through Product Development.
- Board of Studies Chairman clarified the suggestion given by Mr.A.Easwaran.

Board of Studies resolved to approve and recommend the presented Multi/Interdisciplinary theory courses in R2019 curriculum.

4. Classification of courses having focus on employability/ entrepreneurship/ skill development

- The Board of Studies Chairman presented the categorization of R2019 courses based on the employability/ entrepreneurship/ skill development as given in Annexure IV.
- Mr. J. Vimalraj suggested to offer more practical oriented courses in order to improve the employability.
- Board of Studies Chairman has agreed to offer the practical oriented course as Value added course in each semester.

Board of Studies resolved to approve the classification of R2019 courses which focus on employability/ entrepreneurship/ skill development

5. Suggestions for improving the R2019 curriculum structure

- Dr.V.Malathi suggested to represent the specific course name instead of Power System I, Power System II and Power System III. She also suggested to split the topics related to Protection and Switch Gear from the course Power System I and suggested to offer that topics in higher semesters.
- Dr. V. Malathi suggested to refer GATE syllabus while integrating the new courses to ensure that all the basic topics are covered.

- Dr. V. Malathi suggested to prove the novelty in Curriculum and Syllabus of R2019 apart from the regulation based novelty.
- Board of Studies members accepted the above suggestions and the Chairman agreed to modify and rename the courses Power System I, Power system II and Power system III. Board of Studies Chairman has also explained the novelty in curriculum and syllabus of R2019 which has been framed on the basis of GATE syllabus.
- Dr.R.RajanPrakash also suggested to offer a crash course at the end of each year in order to recollect the concepts studied in that year. He suggested to add Design thinking and system thinking as one credit course.
- Board of Studies Chairman has agreed to include the above suggestion given by Dr.R.RajanPrakash in near future and also represented the course “Creative Thinking and Innovation” which is already offered with one credit in fifth semester of R2019 Curriculum.
- Dr. K. Hemalatha suggested to offer more number of integrated courses in Program Electives.
- Board of Studies Chairman has pointed that already three courses namely, Consumer Electronics, PCB Design and PLC and SCADA Applications are offered as Program Elective in R2019.
- Mrs. Nazia Fatima suggested to offer courses based on the research thrust areas like biosystems, intelligent systems, design automation and photonics.
- Board of Studies Chairman has agreed to offer the courses related to research thrust areas in the Program Elective Sources.
- *Board of Studies resolved to approve the above suggestions that could be incorporated in the R2019 curriculum and syllabus of Electrical and Electronics Engineering.*

6. Percentage if change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the third and fourth semester syllabus of R2019 with reference to the syllabus of R2015.

- Percentage change in Syllabus of Third and Fourth Semester courses as follows

SEMESTER III

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19UEE302	Electrical Circuit Analysis	Old	25%
2	19UEE303	Electrical Machines - I	Old	25%
3	19UEE304	Analog Electronics	Semiconductor devices and circuits and Analog Integrated Circuits of R2015	
4	19UEE305	Electromagnetic Fields	Old	16%
5	19UEE306	Electrical Measurements and Instrumentation	Old	29%
6	19UEE308	Electric circuits Laboratory	Old	8%
7	19UEE309	Electrical Machines Laboratory - I	Old	7%
8	19UEE310	Analog Electronics Laboratory	Old	8 %

SEMESTER IV

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19UEE401	Electrical Machines - II	Old	36%
2	19UEE402	Control Systems	Old	26%
3	19UEE403	Digital Electronics	Old	42%
4	19UEE404	Electric Power Transmission and Distribution	Old	20 %
5	19UEE406	Electrical Machines Laboratory - II	Old	10%
7	19UEE408	Digital Electronics Laboratory	Old	9 %

Board of Studies resolved to approve and recommend the above changes in Third and Fourth Semester courses of R2019 curriculum and syllabus of Electrical and Electronics Engineering

7. List of New Courses under Regulation 2019

Board of Studies Chairman presented the list of new courses in Third and Fourth Semester of R2019 curriculum of B.E - EEE and also listed the new courses which have been proposed to include in new curriculum structure of B.Tech (Computer Science and Business Systems).

List of New Courses in B.E (EEE) - R2019 Curriculum

Sl.No.	Course Code	Course Title	L	T	P	C
1	19UIT426	Data Structure using C (Integrated Course)	3	0	3	4.5
2	19UEE307	Seminar	1	0	0	1
3	19UGM332	Biology for Engineering Applications	2	0	0	P/F
4	19UGM431	Gender Equality	1	0	0	P/F

List of New Courses in B.Tech (Computer Science and Business Systems) – R2019

Sl.No.	Course Code	Course Title	L	T	P	C
1	19UEE125	Principles of Electrical Engineering	3	0	0	3
2	19UEE128	Electrical Engineering Laboratory	0	0	3	1.5

Board of Studies resolved to approve the above list of new courses that could be included in the R2019 Curriculum of B.E (Electrical and Electronics Engineering) and B.Tech (Computer Science and Business Systems).

8. Assessment Plan and Methodology

Board of Studies Chairman has presented the Assessment plan and methodology to be carried out for assessing the outcome of third and fourth semester Courses.

Board of Studies resolved to approve the proposed assessment plan and methodology for assessing the outcome of third and fourth semester Courses with or without modifications if necessary subject to the practical considerations.

9. Approval for the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

- The Chairman presented the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.
- The Chairman explained the norms followed in the College for question paper setting in which faculty competency and expertise are also considered.

Board of Studies resolved to approve the list of examiners from other colleges invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Curriculum (R2019) of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2020-2021 under autonomous regulations with the above modifications to the Academic council.

The Board of Studies of Department of Electrical & Electronics Engineering resolved to approve and recommend the Syllabi of Second year courses of B.E. Electrical & Electronics Engineering which is being followed from the academic year 2020-2021 under autonomous regulations with the above modifications to the Academic council.

M.E. Power Electronics and Drives (Full Time) – 2020-21 under Autonomous Regulation R-2019

The members discussed thoroughly the new curriculum and Syllabi for M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2020 - 2021 under autonomous regulation.

Percentage if change in the Curriculum and for each course in Regulation 2019

Board of Studies Chairman has listed the percentage of changes in the Core paper in second semester and elective syllabus of R2019 with reference to the syllabus of R2015.

Percentage change in Syllabus of courses as follows

S.No.	Course Code	Course Name	New Course / Old Course	Percentage change in Syllabus
1	19PPE201	Electric Drives System	New	20%
3	19PPE519	Electric Power Quality	Old	20%

The Board of Studies of Department of Electrical and Electronics Engineering resolved to approve and recommend the Curriculum and Syllabi of M.E. Power Electronics and Drives (Full Time) which is being followed from the academic year 2020-21 under autonomous regulations with the above modifications to the Academic Council.

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) which is being followed from the academic year 2020-21 under Autonomous regulations.



Chairman

Board of Studies

Electrical and Electronics Engineering

Chairperson
Board of Studies
Electrical & Electronics Engineering
Sethu Institute of Technology
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