

DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE & Affiliated to Anna University, Chennai)

Accredited with 'A' Grade by NAAC, Accredited by TCS

Accredited by NBA with BME, ECE & EEE

PERAMBALUR - 621 212. Tamil Nadu.

website : www.dsengg.ac.in



Department of Electrical and Electronics Engineering

Ref: DSEC/EEE/BoS-1/2020

Date : 21.10.2020

M.E - Power Electronics and Drives

Minutes of First Board of Studies

The first Board of studies meeting of Department of Electrical and Electronics Engineering was held on 21.10.2020 at 10.00 AM in the Seminar Hall/EEE, with the Head of the department as the Chair. The following members were present for the BoS meeting.

Meeting link: <https://meet.google.com/yuu-nkvz-iez>

S.No	Name of the member with Designation and official address	Responsibility in the BoS
1	Dr. K. Anbarasan, Professor & Head Department of Electrical and Electronics Engineering, Dhanalakshmi srinivasan Engineering College, Perambalur-621212	Chairman

External Members:

2	Dr. M. Sudhakaran, Professor, Dept. of EEE, Pondicherry Engg., College, Puducherry – 605 014 MailID:sudhakaran@pec.edu Cell No: 9994071997	Academic Expert
3	Dr. S. Arul Daniel Professor, Dept. of EEE, NIT, Trichy – 620 015 Mail ID: daniel@nitt.edu Cell No:9003302400	Academic Expert

4	Dr. S. Edward Rajan, Senior Professor, Dept. of EEE, Mepco Schlenk Engg. College, Sivakasi – 626 005 Mail ID: sedward@mepcoeng.ac.in Cell No: 9786072920	University nominee
5	Dr. S. Dharmalingam , Former General manager/ BHEL, Trichy – 600 014 Mail ID: sdharma59@gmail.com Cell No : 9443342066	Industry Expert
6	Ms. S. Salomi Mary Magdalene , Probationary Officer, Pandiyan Grama Bank, Thiruvannamalai. Mail ID: salomivictorious@gmail.com Cell No: 8940119188	PG Graduate Alumnus

Internal Members:

7	Dr. N. Arunkumar, Associate Professor, Faculty of EEE, Department of Electrical and Electronics Engineering, Dhanalakshmi srinivasan Engineering College (Autonomous) , Perambalur-621212	Member
8	Dr. V. Subaseetha Lakshmi, Associate Professor, Faculty of EEE, Department of Electrical and Electronics Engineering, Dhanalakshmi srinivasan Engineering College(Autonomous), Perambalur-621212	Member
9	Mrs. K. Preetha, Assistant Professor, Faculty of EEE, Department of Electrical and Electronics Engineering, Dhanalakshmi srinivasan Engineering College (Autonomous), Perambalur-621212	Member

10	Mr. J. Nagendran Assistant Professor, Faculty of EEE, Department of Electrical and Electronics Engineering, Dhanalakshmi srinivasan Engineering College (Autonomous), Perambalur-621212	Member
11	Mr. D. Krishnamoorthi, Assistant Professor, Faculty of EEE, Department of Electrical and Electronics Engineering, Dhanalakshmi srinivasan Engineering College (Autonomous), Perambalur-621212	Member

Agenda for the meeting:

- Welcome address
- Introduction about ourselves
- Introduction about Institution and Department
- To discuss the Curriculum structure of R-2020, R-2017(AU).
- To discuss M.E (Power Electronics and Drives) degree curriculum and Syllabus (I to IV) semester under Autonomous Regulation 2020 for the students admitted in the academic year 2020-2021 (First year Students)
- To discuss uniqueness of the curriculum
- To discuss and approve the evaluation systems
- Approval for proposed Curriculum and Syllabus
- Approval for Programme Elective Courses for M.E (Power Electronics and Drives) programme for student admitted for the year 2020-2021 onwards.
- Approval for Assessment pattern for core and Elective courses, Employability Enhancement Courses etc., for M.E. (Power Electronics and Drives) programme for Students admitted from the year 2020-2021 onwards.
- Approval for process for identification and post identification of weak, bright and advance Students and process for end semester exam for M.E. (Power Electronics and Drives) programme for Students admitted from the year 2020-2021 onwards.
- Any other items with the permission of Chair
- Vote of Thanks

Minutes of Meeting - PG:

1. To discuss the Curriculum structure of R-2020, R-2017(AU).
2. To discuss M.E (Power Electronics and Drives) degree curriculum and Syllabus (I to IV) semester under Autonomous Regulation 2020 for the students admitted in the academic year 2020-2021 (First year Students)
3. To discuss uniqueness of the curriculum and Syllabus
4. To discuss and approve the evaluation systems
5. Approval for proposed Curriculum and Syllabus
6. Approval for Programme Elective Courses for M.E (Power Electronics and Drives) programme for student admitted for the year 2020-2021 onwards.
7. Approval for Assessment pattern for core and Elective courses, Employability Enhancement Courses etc., for M.E. (Power Electronics and Drives) programme for Students admitted from the year 2020-2021 onwards.
8. Approval for process for identification and post identification of weak, bright and advance Students and process for end semester exam for M.E. (Power Electronics and Drives) programme for Students admitted from the year 2020-2021 onwards.
9. Any other items with the permission of Chair

Remarks : PG - PED

Item 1: To discuss the Curriculum structure of R-2020, R-2017(AU).

- The External Members offered their suggestions based on curriculum structure of PG each and every subjects given in the curriculum structure of Regulation 2020.

Item 2: To discuss M.E (Power Electronics and Drives) degree curriculum and Syllabus (I to IV) semester under Autonomous Regulation 2020 for the students admitted in the academic year 2020-2021 (First year Students)

Semester - I

- Instead of Power Semiconductor Devices subject, they suggested to include Advanced Power Electronics and Control subject.
- High power multilevel Inverters may be included in the syllabus of Analysis and Design of Inverters subject.

Semester - II

- Special Electrical Machines subject and Solid state DC Drives may be moved to Professional Elective.
- Instead of Solid state DC Drives subject, Digital Control and Controller Design subject may be included.

- Electrical Vehicles and Energy Storage Systems may be kept as Professional core.
- Power Quality subject may be renamed as Power Quality Improvement techniques.

Item 3: To discuss uniqueness of the curriculum and Syllabus

Uniqueness of the curriculum was discussed.

Item 4: Approval for proposed Curriculum and Syllabus

Proposed Curriculum was approved with the changes mentioned in item 1 and item 2.

Item 5: To discuss and approve the evaluation systems

For Evaluation, They suggested 15 marks for model exam instead of 10 marks and no marks may be given for observation.

Item 6: Approval for Programme Elective Courses for M.E. (Power Electronics and Drives) programme for student admitted for the year 2020-2021 onwards.

Removal of Electives Suggested:

1. SMPS and UPS
2. Artificial neural networks
3. Power Converters for Distributed Generation Systems
4. Control System Design
5. Control and Protection for Electrical Drives
6. Smart Grid
7. System Theory may be renamed as Modern Control Theory.

Addition of Electives Suggested:

1. Research Methodology
2. Intellectual Property Rights
3. Soft Computing Techniques
4. FPGA based architecture design
5. Modern Power Electronics Converters
6. Wind Energy Conversion Systems
7. Opto Electronics Systems
8. Real Time Operating Systems
9. Embedded Processors and Applications
10. Diagnosis and Protection for Solid State Systems
11. Design for IOT
12. Electric Vehicles charging technologies
13. Power System Restructuring & Pricing
14. Distributed Generation and Micro grids
15. Electric vehicle and Hybrid Vehicle
16. Renewable and Energy Storage systems.

Item 7: Approval for Assessment pattern for core and Elective courses, Employability Enhancement Courses etc., for M.E. (Power Electronics and Drives) programme for Students admitted from the year 2020-2021 onwards.

Assessment pattern for core and Elective courses, Employability Enhancement Courses etc., for M.E. (Power Electronics and Drives) programme was approved

Item 8: Approval for process for identification and post identification of weak, bright and advance Students and process for end semester exam for M.E. (Power Electronics and Drives) programme for Students admitted from the year 2020-2021 onwards.

Process for identification and post identification of weak, bright and advance Students and process for end semester exam for M.E. (Power Electronics and Drives) programme Was discussed.

Item 9: Any other items with the permission of Chair

Industrial Lectures may be provided for two hours per week.

- ❖ All the points suggested by the BoS Experts/Members for curriculum improvement will be considered while framing the Syllabi.
- ❖ BoS members recommended the above resolutions to be presented in the academic council for further approval.
- ❖ Vote of Thanks



Chairman
BoS/EEE