

**Minutes of Board of Studies Meeting: Name of Department**  
**School of Technology (SoT),**  
**Pandit Deendayal Energy University**  
**Gandhinagar, Gujarat-382007**

Date: 5<sup>th</sup> June, 2023

Time: 10:30 AM – 11:40 AM

Venue: Committee Room, E-Block & MS Teams

**A. Members of Board of Studies**

<b>Name of BoS Member</b>	<b>Name of Organization and Designation</b>	<b>Present/ Absent</b>	<b>Remarks</b>
Dr. J. G. Jamnani	Chairman-BoS & Head, EED, SoET, PDEU	Present	
Dr. Praghresh Bhatt	Dean, SoET, PDEU, Special Invitee	Present	
Mr. Vinod Patel	GM, R&D, AMTECH Electronics, Gandhinagar	Present	
Mr. B. B. Mehta	Director, Odisha Power Transmission Co. Ltd, Bhubaneswar, Odisha	Present	
Prof. (Dr.) Bhim Singh	Professor, Department of Electrical Engg., IIT- Delhi	Absent	
Dr. Naran Pindoria	Associate Professor, Department of Electrical Engg. IIT-Gandhinagar	Present	
Dr. Amit V. Sant	Associate Professor, EED, SoET, PDEU	Present	
Dr. Bhinal Mehta	Assistant Professor, EED, SoET, PDEU	Present	

**B. Agenda of Meeting:**

B. Tech Program: Electrical Engineering

1. To review the Teaching and Examination scheme for the Minor Specialization on Electric Vehicles offered by the Department of Electrical Engineering to the students of other B.Tech. Programs of FoET for 2023 Batch onwards.
2. To review the syllabus of the courses (i) Introduction to Electric Vehicles, and (ii) Electric Machines for Electric Vehicles, respectively offered in Semester – III and IV as a part of the Minor Specialization Course on Electric Vehicles for 2023 Batch onwards.
3. To review the change in teaching and examination scheme for the course Power System Protection (20EE305T) offered in Semester-VI of B.Tech. (Electrical Engineering) program from 03 hours/week to 04 hours/week for 2021 Batch onwards.
4. To review the change in teaching and examination scheme for the course Power Electronic Converters (20EE302T) offered in Semester-V of B.Tech. (Electrical Engineering) program from 03 hours/week to 04 hours/week for 2021 Batch onwards.
5. Any additional items proposed in the meeting.

### **C. Minutes of BoS Meeting:**

**Agenda-I:** To review the Teaching and Examination scheme for the Minor Specialization on Electric Vehicles offered by the Department of Electrical Engineering to the students of other B.Tech. Programs of FoET for 2023 Batch onwards.

**Discussion and Resolution:** The Teaching and Examination scheme for the Minor Specialization on Electric Vehicles offered by the Department of Electrical Engineering to the students of other B.Tech. Programs of FoET for 2023 Batch onwards was reviewed and found to be satisfactory.

**Agenda-II:** To review the syllabus of the courses (i) Introduction to Electric Vehicles, and (ii) Electric Machines for Electric Vehicles, respectively offered in Semester – III and IV as a part of the Minor Specialization Course on Electric Vehicles for 2023 Batch onwards.

**Discussion and Resolution:** Courses (i) Introduction to Electric Vehicles, and (ii) Electric Machines for Electric Vehicles to be offered in Semester – III and IV as a part of the Minor Specialization Course on Electric Vehicles for 2023 Batch onwards was reviewed and appreciated for covering the necessary concepts of electric vehicles for the students of engineering branches other than electrical engineering.

A change is suggested in the name of Unit IV of the course Electric Machines for Electric Vehicles from Switched Reluctance Motor Drives to Reluctance Motor Drives. Also, the topic “Permanent magnet assisted reluctance motor” needs to be included. This was incorporated in the revised syllabus.

**Agenda-III & IV:** To review the change in teaching and examination scheme for the course Power System Protection (20EE305T) offered in Semester-VI of B.Tech. (Electrical Engineering) program from 03 hours/week to 04 hours/week for 2021 Batch onwards.

To review the change in teaching and examination scheme for the course Power Electronic Converters (20EE302T) offered in Semester-V of B.Tech. (Electrical Engineering) program from 03 hours/week to 04 hours/week for 2021 Batch onwards.

**Discussion and Resolution:** During the last BoS meeting, it was discussed that for a few courses the duration three hours per week needs to be increased to four hours per week based on the feedback given by the faculty. This was felt to be of importance so that due time is given to the faculty for teaching the topics so that the students can learn the topics in depth. In line with this, the hours/week for the two courses (i) Power Electronic Converters (offered in Semester-V of B.Tech. in Electrical Engineering), and Power System Protection (offered in Semester-VI of B.Tech. in Electrical Engineering) was decided to be increased from 3 hours/week to 4 hours/week. Similarly, credits for these two courses to be increased to four. Contact hour for each unit are changed accordingly for both courses.

It was suggested that the name of the course Power System Protection to be changed to Power System Protection and Switchgear and the name of the course Power Electronic Converters to be changed to Power Electronics. Also, it was suggested that the protective aspects of Gas Insulated Substation (GIS) to be included in Power System Protection and Switchgear course. The suggestions were appreciated and incorporated in the revised syllabus

**Agenda-V:** Any additional items proposed in the meeting.

**Discussion and Resolution:** The external members of the BoS suggested that the department should explore the possibility of including the topics on PMU, WAMS, cyber security in appropriate subjects. This was well-received by the internal BoS members and the HoD stated that the department will look into the suggested topics.

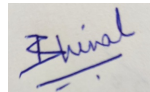
**General Discussion and Recommendation by BoS Members: NA**



**Dr. J. G. Jamnani**  
Chairman  
BoS



**Dr. Amit V. Sant**  
Internal Member  
BoS



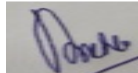
**Dr. Bhinal Mehta**  
Internal Member  
BoS



**Dr. Praghresh Bhatt**  
Dean - SOET  
Special Invitee



**Shri Vinod Patel**  
General Manager  
Amtech Electronics Pvt. Ltd.  
Gandhinagar  
**Industry Member - BoS**



**Shri B B Mehta**  
Director,  
Odisha Power Transmission  
Co. Ltd, Bhubaneswar.  
**Industry Member - BoS**



**Dr. Naran Pindoria**  
Associate Professor  
**Academic Member- BoS**