

V.R.SIDDHARTHA ENGINEERING COLLEGE::VIJAYAWADA

AUTONOMOUS

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

VRSEC/DAB/NBA F.No 39/2023

12-06-2023

CIRCULAR

All the members of the Department Advisory Board are requested to attend the 9th Department Advisory Board meeting being schedule on 14-06-2023 at 10.00 A.M through Google Meet.

Agenda for the meeting:

- 1. Action taken report on DAB meeting held on 23-08-2022**
- 2. Ratification of PAC minutes**
- 3. I to VIII semester Scheme and VI-Semester syllabus of VR20**
- 4. Attainments of POs for the Batch 2019-23**
- 5. Details of academic achievements**
 - i. Result Analysis**
 - ii. Placement details**
 - iii. Student achievements Extra Curricular & Co-Curricular activities**
 - iv. Faculty achievements**
- 6. Any other point with the permission of the chair**


H.O.D/EEE

12/6/2023

Dr.P.V.R.L.NARASIMHAM

Professor & Head

Dept.of Electrical & Electronics Engineering

V.R Siddhartha Engineering College

VIJAYAWADA-520 007.

Minutes of the Ninth Department Advisory Board (DAB) meeting of Electrical and Electronics Engineering Department, Velagapudi Ramakrishna Siddhartha Engineering College (Autonomous), Vijayawada – 520007 held at 10.00A.M on 13-06-2023 through online.

The following members have attended the meeting through Googlemeet.

- ❖ **Dr. P. V. R. L. Narasimham**, HOD-EEE department and Chairman-DAB, chaired the meeting and extended a warm welcome to all the members of DAB and faculty of EEE department.
- ❖ **Er. R. Sreeram**, CEO, Eruvaka Technologies Pvt. Ltd, Hyderabad, representative from Industry attended as member of Department Advisory Board
- ❖ **Er. M. R. V. Rajesh** Senior Manager (ELECTRICAL) RAIN CII Carbon Company, Visakhapatnam, representative from Industry attended as member of Department Advisory Board.
- ❖ **Er. G. Raja Babu** Chief Engineer APTRANSCO representative from Electricity Board, Visakhapatnam attended as member of Department Advisory Board.
- ❖ **Er. K. Balakrishna**, Vice President, Smart Building, M/S Efftronics Pvt Ltd., Vijayawada, representative from Industry attended as member of Department Advisory Board.
- ❖ **Dr. P. Roshan Kumar** Subject expert in Power Train Microfuzzy, Germany, representative from Industry was absent for the meeting.
- ❖ **Dr. A. Rama Devi**, Professor in EEE department and UG programme coordinator attended the meeting.
- ❖ **Dr. B. Venkateswara Rao** , Associate Professor in EEE department and PG programme coordinator attended the meeting.

Item 1: Action taken on suggestions given by DAB members in previous meeting held on 23/08/2022.

- **Suggestion:** To include topics on battery storage system and wind generation system, fuel cells, power converter techniques, MPPT in fuel cells, ballast converters.
- ❖ **Action Taken:** Suggestion will be taken care while framing the new course titled Renewable Energy Systems.
- **Suggestions:** To include cloud technologies AWS, Azure or Google cloud in IoT Lab.
- ❖ **Action Taken:** Suggestion will be taken care while framing courses in new regulation. At present Thing speak cloud network has been used in IoT lab.
- **Suggestion:** To include load factors, centrifugal pumps and leakage audit in Course titled Electrical energy conversion audit (20EE5205B).

- ❖ **Action Taken:** Suggestion is taken care to implement in new regulation
- **Suggestion:** To include winding polarity test for 3 phase Induction Motor in Electrical Machines Lab-II.
- ❖ **Action Taken:** Suggestion is taken care by showing it as a demonstration kit in Electrical Machines Lab

➤ **Suggestion:** To introduce Business Logic in IoT lab.

- ❖ **Action Taken:** Experiments are included in the laboratory involving data transfer from sensor(End user) to IoT cloud network(data base).

Item 2: Ratification of PAC Minutes of phase-I and II by DAB Members

The PAC meeting minutes **of phase-I and II** are presented to the members. The minutes have been resolved and ratified by the DAB members.

Item 3: I to VIII Semester Scheme and VII-Semester syllabus of VR20

The chairman presented I to VIII Semester Scheme and VII semester syllabus of VR20 regulation to the DAB members.

Er. G. Raja Babu suggested

To introduce a new course on design of Electrical Apparatus in the curriculum.

To understand the demo model of Smart Grid connecting two or three sources.

To include Power Exchangers and bilateral agreement topics in the course.

Er. R. Sreeram suggested to have more emphasis on electric vehicle operation, concept of regenerative braking and Battery Management System (in particular to Lithium ion battery) in designing the course curriculum.

To introduce power in Electrical Vehicles.

Er. M.R.V. Rajesh suggested

- To give more emphasis on surge protection devices while designing the curriculum.

Er. K. Bala Krishna gave the following suggestions

- To include smart metering techniques in Electrical distribution systems and also to incorporate the concepts and techniques and this must be merged to bring integrated solutions.
- To refer package substation technology for High voltage Engineering.
- To introduce a separate course on EV chargers, Battery health management system in the curriculum.
- To concentrate on application level of Engineering for courses wherever it is possible.

- DSP based Solar Inverters

Item4: Attainments of PO's of the Batch 2019-2023.

The Chairman has presented all the PO attainments of the batch: 2019-2023 It is also mentioned that the PO target level is increased to 3% for Batch 2019-2023.

Item5: Details of Academic Achievements

- The Chairman has presented all the odd and even semester results of the students for the A.Y: 2022-23.
- It was informed that 120 students got placements in various companies with highest salary package of 8 lakhs and minimum package of 1.44 lakhs for the A.Y 2022-23.
- The Chairman presented that totally 44 papers have been published and presented by the faculty in various reputed journals, book chapters and conferences.

Item 6: Any other matter with the permission of chair

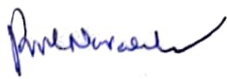
- **The chairman** presented the proposed modifications to be implemented in the curriculum and requested the honorable DAB members to give their opinion to improve the curriculum as student friendly and also to increase the employment opportunities in the core domains.

- More Laboratory oriented courses are proposed
- Proposed to have two laboratory courses on controllers like microcontrollers, DSP controllers, FPGA controllers and PLC controllers.
- Proposed to bring conventional Electrical Machines of two papers into one paper.
- Proposed to introduce one new course on Special Electric Machines like SRM, PMSM, BLDC, Axial Machines and Low voltage machines.
- Proposed a course on FEM analysis of Electrical Machines as an Elective course
- Proposed to introduce VHDL lab, Digital System Design Laboratory and establishment of EV laboratory
- Proposed to have more number of Skill oriented courses.

- **Er BalaKrishna** Suggested to have hands on experience on interfaces and through concepts in fundamentals on standard practices used.
- **Challenges in Charging Stations.**
- **Er.M.R.V.Rajesh** suggested to have concepts in interfacing techniques and also surge protections and earthing protocols

Dr. P. V. R. L. Narasimham, Professor & Head of the department and chairman of Department Advisory Board thanked all the members and faculty for their active participation in the meeting.

Date: 14-06-2023


13/6/2023
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