



# ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

## Department of Electrical and Electronics Engineering

Date: 05-10-2021

### Minutes of the VII meeting of BOS scheduled on 28-09-2021

The VII meeting of the BOS of EEE was held virtually on 28-09-2021 at 9.30 AM through Microsoft Teams. Dr. V. Srinivasa Rao, Chairperson presided over the meeting.

#### **Agenda 7.1: Welcome address by Chairperson.**

Dr. V. Srinivasa Rao, BOS Chairperson invited the distinguished members of BOS to the VII BOS Meeting.

#### **Agenda 7.2: Ratification of minutes of the previous Board of Studies meeting**

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 10/10/2020.

#### **Agenda 7.3: Dissemination of the Vision and Mission of the department and Program Educational Objectives (PEOs)**

Head of the department explained the Vision and Mission of the department, PEOs, POs and PSOs of the Programs under the Department.

#### **Agenda 7.4: Discussion on proposed AR19 B.Tech (EEE) VI, VII and VIII semesters syllabus and ratification of the same.**

The BOS members approved the AR19 B.Tech (EEE) VI, VII and VIII semesters syllabus after incorporating the following changes in the proposed syllabi.

- Suggested that the Unit-V: PIC Architecture in Microprocessor and interfacing in AR19 can be removed and kept in the advanced course i.e. Microcontroller and applications.
- Suggested that Power System Stabilizer (PSS) and Calculation of damping torque can be included in Unit-V of Power System Analysis course in AR19.
- Suggested that the Unit-I Title can be changed to Converter fed DC Motor Drives in Power Converter Drives course in AR19.
- Suggested that in AR19 the Advanced Power Electronic Converters course content and the unit titles can be reorganized, the Unit- IV Switched mode rectifier can be removed from the content and the unit can be organized in following manner
  - a. Unit-I Isolated DC-DC converter,
  - b. Unit-II DC-AC converter,
  - c. Unit-III Current regulated VSI
  - d. Unit-IV Multilevel inverters

- e. Unit-V Multilevel PWM methods.
- Suggested that the course Energy Audit Conservation and Management (EACM) - AR19 in Unit-III practical significance of power factor can be explained more while teaching the course.
- Suggested that the course Switching Mode Power Converters (SMPC) - AR19 in Unit-I and Unit-II mathematical modeling must be included, and suggested to avoid the repetition of content from the other power electronic courses.
- Suggested Power Quality and FACTS in AR19 contains more syllabus can be reduced. The units can be reorganized with content of Power Quality in 2 units and FACTS with 3 units.
  - a. Unit-I Introduction to Power Quality
  - b. Unit-II Distributed Generation and DSTATCOM
  - c. Unit-III Introduction to FACTS
  - d. Unit-IV Shunt and Series Compensators
  - e. Unit-V Combined Controllers
- Suggested that in Microcontroller and applications - AR19 i.e. PIC 16F877 can be renamed as Peripheral Interface Controller.

**Agenda 7.5: Discussion on proposed AR20 B.Tech (EEE) Program Structure and ratification of the same.**

The BOS members approved the AR20 B.Tech (EEE) Program structure after making the following changes in the proposed AR20 B.Tech (EEE) program.

- a. Digital Circuits and Logic Design to Digital Electronics
- b. Electrical Machines-I to DC Machines and Transformers
- c. Electrical Machines-II to Induction and Synchronous Machines
- d. Power Systems-I to Electric Power Generation and Distribution Systems
- e. Power Systems-II to Electric Power Transmission Systems
- f. Constitution of India to be added in II semester.

**Agenda 7.6: Discussion on proposed AR20 B.Tech (EEE) III & IV semesters syllabus and ratification of the same.**

The BOS members approved the AR20 B.Tech (EEE) III & IV semesters syllabus after making the following changes in the proposed AR20 B.Tech (EEE) program.

- Suggested that testing of Power system equipment under normal and fault conditions can be included in the syllabus of power system related courses in AR20.
- Suggested that the Instrumentation transformers (CT, PT) selection methods need to be included in any power system related course in AR20.

**Agenda 7.7: Discussion on proposed AR20 Honors and Minor degree courses and ratification of the same.**

The BOS Members ratified the list of courses offered to obtain Honors degree and Minor degree courses of AR20 IV semester.

**Agenda 7.8: Discussion on proposed AR20 Honors and Minor Degree Courses syllabus and ratification of the same.**

The BOS Members ratified the syllabus of Honors and Minor Degree courses of AR20 IV semester.

**Agenda 7.9: Discussion on value added courses offered for the students and ratification of the same.**

Members of BOS ratified the following value- added courses identified for the students to be offered and suggested to include topics related to thrust areas.

- Battery management system
- Machine Learning

**Agenda 7.10: Analysis of Results.**

The BOS Chairperson presented the odd and even semesters pass percentage for the A. Y. 2020-2021. The BOS members noted the same.

**Agenda 7.11: Analysis of student feedback & action taken report**

BOS Chairperson expressed that the student feedback & action taken report process was initiated at end of each semester. The BOS members noted the same.

**Agenda 7.12: Any other items with the approval of Chairperson.**


- BOS members expressed that in VII semester of AR20, the number of courses can be reduced so that, the student can prepare for the competitive exams and placement related activities. As per AR20 two courses maximum of 6 credits of VII semester can be completed by opting them as MOOCs in the earlier semesters in order to reduce the burden on the student in VII.
- BOS members expressed to include HT cable, LT cable selection for different transmission lines in AR20.
- BOS members expressed that the web links provided at the end of every course must include the content of that particular link so that if the course link changes also people can identify by searching that content.

**Agenda 7.13: Scheduling of next Board of Studies meeting.**

- The next BOS meeting is tentatively scheduled in the month of April 2022.

**Agenda 7.14: Vote of Thanks**

- Dr. V. SrinivasaRao, BOS Chairperson presented the Vote of thanks.

  
Chairperson BOS  
Department of EEE  
Head of The Department  
Dept. Of Electrical & Electronics Engineering  
Aditya Engineering College (A9)