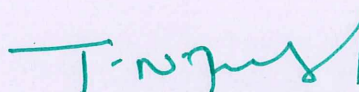


SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET-517 102

Agenda for 11th Meeting of Board of Studies for B. Tech. (Electrical and Electronics Engineering) on 13-07-2020 at 10.00 AM

1. Action taken report on minutes/ resolutions of 10th BOS meeting.
2. Report on implementation of autonomy with respect to syllabi & academic regulations for IV B. Tech (under SVEC16) and I B.Tech under SVEC-19 regulations.
3. Academic Calendar for II, III and IV Year B.Tech for 2020-21.
4. Vision and Mission of the Department, PEOs, POs & PSOs for B.Tech. (EEE) Program
5. Administrative set-up for B.Tech Program.
6. Syllabi with Course Objectives, Course Outcomes, Lesson Plans and Model Question Papers for the Courses of **II B. Tech** (Under SVEC-19).
7. Panel of Examiners for Question paper setting for **II B.Tech** courses (Under SVEC-19).
8. Amendments to SVEC-19 B.Tech Academic Regulations
9. Implementation of Teaching, Learning and Evaluation Process.
10. Substitute Courses.
11. Research Activities.
12. Faculty Development Activities.
13. Staff Development Activities.
14. Student Development Activities.
15. Student Support Systems.
16. Extension Activities.
17. Any other item.



Dr. T. Nageswara Prasad
Chairman, BOS (EEE)

SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous)

Sree Sainath Nagar, A. Rangampet-517 102

Department of Electrical & Electronics Engineering

Meeting of Board of Studies in B.Tech. Electrical Electronics Engineering on 13th July 2020

Minutes of meeting:

BoS Members:

S. No.	Name	Designation
1	Dr. T. Nageswara Prasad Professor, SVEC	Chairman
2	Dr. G. V. Marutheswar Professor, Department of Electrical Engineering, SV University College of Engineering, Tirupathi	External Member (Academics)
3	Dr. S. Sivanagaraju Professor, Department of EEE, JNTUK College of Engineering, Kakinada.	External Member (Academics)
4	Mr. V. Sreedeeep Senior Lead Engineer, Intel India Pvt. Ltd., Bangalore	External Member (Industry)
5	Mr. P. Sesha Sai Kumar Research Engineer, Rolls-Royce EPL-SG Lab, Singapore	Alumni (Industry)
6	Dr. M.S. Sujatha Professor and Head, Dept. of EEE, SVEC	Internal Member
7	Dr. P. Umapathi Reddy Professor, Dept. of EEE, SVEC	Internal Member
8	Dr. S. Hema Chandra Professor, Dept. of EEE, SVEC	Internal Member
9	Dr. T. Devaraju Professor, Dept. of EEE, SVEC	Internal Member
10	Dr. N.M.G. Kumar Professor, Dept. of EEE, SVEC	Internal Member
11	Dr. S. Farook Assoc. Professor, Dept. of EEE, SVEC	Internal Member
12	Dr. E. Parimala Sundar Assoc. Professor, Dept. of EEE, SVEC	Internal Member
13	Dr. G. Hari Krishnan Assoc. Professor, Dept. of EEE, SVEC	Internal Member
14	Dr. V. Arun Assoc. Professor, Dept. of EEE, SVEC	Internal Member
15	Dr. I. Kumara Swamy Assoc. Professor, Dept. of EEE, SVEC	Internal Member
16	Dr. D. Suresh Babu Assoc. Professor, Dept. of EEE, SVEC	Internal Member

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17	Dr. A. Yasmine Begum Assoc. Professor, Dept. of EEE, SVEC	Internal Member
18	Dr. G. Sreeramulu Mahesh Assoc. Professor, Dept. of EEE, SVEC	Internal Member
19	Dr. K. Suresh Asst. Professor, Dept. of EEE, SVEC	Internal Member
20	Dr. S. Prabhu Asst. Professor, Dept. of EEE, SVEC	Internal Member
21	Dr. J. Ramesh Rahul Asst. Professor, Dept. of EEE, SVEC	Internal Member
22	Dr. K. Jyotheeswar Reddy Assoc. Professor, Dept. of EEE, SVEC	Internal Member
23	Dr. B. Hemanth Kumar Asst. Professor, Dept. of EEE, SVEC	Internal Member
24	Dr. A. Muni Sankar Asst. Professor, Dept. of EEE, SVEC	Internal Member
25	Mr. M. Manohara Assoc. Professor, Dept. of EEE, SVEC	Internal Member

1. Action Taken Report on minutes/ resolutions of 10th BoS Meeting

The Chairman, BoS Dr. T. Nageswara Prasad presented the action taken report on resolutions of BoS meeting held on 10th June, 2019. After deliberations the members ratified the report. **(Annexure-I)**

2. Report on implementation of autonomy with respect to syllabi and regulations (SVEC16, IV B. Tech. & SVEC19 I B.Tech.)

The Chairman BOS appraised the board on the implementation of Autonomy with respect to syllabi and regulations of SVEC-16, IV B. Tech. & SVEC-19 I B.Tech.. The board perused the report and ratified the report. The board congratulated the college authorities for successful implementation of IV B.Tech SVEC-16 regulations. **(Annexure-II)**

3. Academic Calendar for II, III and IV Year B.Tech for 2020-21

The Chairman, BOS briefed the members about the preparation of the Academic calendar pertaining to B.Tech. (I-, II-, III- and IV-Year) for the academic year 2020-21, in accordance with the A.P. State Government / APSCHE / JNTUA, Ananthapuramu directives. In view of the COVID-19 pandemic, the board unanimously entrusted the Chairman, Academic Counsel to prepare the Academic Calendar following the directives of UGC, AICTE, A.P. State Government / APSCHE / JNTUA, Ananthapuramu.

4. Vision and Mission of the Department, PEOs, POs and PSOs of B.Tech. (EEE) Program

The Chairman, BoS has appraised the members about the Vision & Mission of the dept. and PEOs, POs & PSOs of B.Tech (EEE). The members approved the Vision & Mission of the dept. and PEOs, POs & PSOs of B.Tech (EEE). The board felt that the Vision & Mission of the

dept. and PEOs, POs & PSOs of B.Tech (EEE) are appropriate and hence ratified.
(Annexure-III)

5. Administrative set-up for B.Tech (EEE) Program.

The Chairman, BoS presented the administrative set-up followed in preparing the curriculum of B.Tech. (EEE). The board congratulated the members on systematic approach followed in the design of course structure and curriculum. **(Annexure-IV)**

6. Syllabi with Course Objectives, Course Outcomes, Lesson Plans and Model Question Papers for the Courses of II B. Tech (Under SVEC-19)

The Course Structure prepared, under SVEC-19 Regulations, in-line with AICTE Model Curriculum-2018, AICTE Approval Process Handbook 2020-21, the structure proposed by APSCHE, 2019 and the suggestions made by the board in its previous meeting is presented by Chairman, BOS and discussed. Also, the syllabus of the courses of I and II semesters of II B.Tech. is presented and discussed **(Annexure-V)**. The following are the observations and suggestions made by the board on the syllabi and course structure proposed by the department:

- All core theory courses should have minimum of 3 credits.
- In Signals and Networks Lab, categorize the experiments concerned to Signals and Networks exclusively in to two parts.
- AI Tools and Design Thinking courses can be replaced with core courses.
- Look at the possibility of swapping Electrical Measurements course in II-II with Control Systems course in III-I.
- In Electrical Machines-1 Lab course specify the type of motor for brake test. Also, specify the type of transformer i.e., 1-Phase / 3-Phase for transformer related experiments.
- Add few more experiments related to transformers as Mini-Project topics in Electrical Machines-1 Lab course.
- include Poisson equation and Laplace transform related topics in Electromagnetic Fields course.
- Python programming shall be made as mandatory course for the benefit of Lateral Entry students. Also, Data Structures Theory cum Lab course shall be introduced.
- The concepts shall be mentioned instead of course names under the heading pre-requisites of courses.
- Remove numerical problems topic in all units of Electrical Machines-2 course.
- Change the title of the experiment as No-load and blocked rotor test on three phase induction motor instead of "No-load and blocked rotor test on three phase induction motor — Equivalent circuit and circle diagram" in Electrical Machines-2 lab course.

- Rename the titles of mini project topics of Electrical Machines-2 Lab course as follows.

Existing	Suggested
Synchronous-induction motor starting method.	Starting of Synchronous-induction motor
Saturated synchronous impedance voltage regulation method.	Voltage regulation of alternator by Saturated synchronous reactance method
Determination of transient and sub-transient reactances.	Determination of transient and sub-transient reactances of alternator.

- In the course Transmission and Distribution, remove Beweley's Lattice diagram topic from unit-II, line drop compensators topic from unit-IV, feeder voltage regulators topic and all the topics related to Distribution System Planning from unit-V. Also, reorganize the topics in Unit-I and Unit-II.

The board has gone through the Course Objectives, Course Outcomes, Lesson Plan of II B.Tech. courses. The board congratulated the department for the efforts put in by the members in articulating the CEOs, COs, the methodology followed in mapping of COs to Pos and PSOs, and also exercising the number of hours required with the help of Lesson Plan. The board also approved the Model Question Papers of the courses that are in-line with the one suggested by AICTE under Examination Reforms.

The revised course structure of B.Tech. (EEE) (**Annexure-IV**) is approved for II Year only subject to modifications that may arise due to suggestions made above. However, board unanimously agreed to view the course structure of III and IV B.Tech. & Minor and Honor degree programs as tentative and requested the Chairman to revised course structure and present it in the next BOS for discussion and approval.

BoS chairman is authorized to amend the courses and course structure considering the suggestions made above and the need of stakeholders with the information to the BoS members.

7. Panel of Examiners for Question paper setting for II B.Tech courses (Under SVEC-19)

The Chairman, BoS has appraised the members the Panel of Examiners for the courses of II B.Tech.. Further the board has resolved to authorize the Chairman, BOS (EEE) to make changes if necessary in Panel of Examiners for Question Paper Setting for each core theory courses of II B.Tech. and furnish to the Chairman, Academic Council for further action. (**Annexure-VI**)

8. Amendments to SVEC-19 B.Tech Academic Regulations

The Chairman BoS presented the amendments to SVEC-19 B.Tech Academic Regulations. The board welcomed the amendment and recommended for perusal and ratification by Academic Council. **(Annexure-VII)**

9. Implementation of Teaching, Learning and Evaluation Process

The Chairman BoS presented the teaching, learning and evaluation practices followed in the department. The members of BOS appreciated the good practices being followed by the department. **(Annexure-VIII)**

10. Substitute Courses

The board authorized the Chairman, BoS to prepare the substitute Courses to be studied by the students, if any, rejoining B.Tech. but falling under SVEC-19 regulations. The same shall be submitted to the Chairman, Academic Council for approval.

11. Research Activities

The Chairman BOS has briefed the members about the state-of-the art equipment procured for research purpose, proposals submitted by the faculty for research funding and the publications made by the faculty and students of EEE department. The board congratulated the department for having organized AICTE Sponsored - International Conference (ICSCCS2019). The members appreciated the efforts made by the faculty and department. **(Annexure-IX)**

12. Faculty Development Activities

The Chairman appraised the board about the research publications/ presentations by the faculty, faculty incentives, FDPs attended, FDPs organized, and student feedback on faculty. The members appreciated the efforts of the department and suggested to scale-up the number for enhanced outcomes. The Chairman BoS assured the members that the efforts in this direction will be intensified. **(Annexure-X)**

13. Staff Development Activities

The board is appraised with the information about staff development programs organized and attended. The board advised the department to conduct at least 2 SDPs in semester. **(Annexure-XI)**

14. Students Development Activities

The members perused and noted the information provided on Guest and Expert Lectures organized, Add-on/workshop courses conducted and student paper publications. The members appreciated the student centric activities of the department. **(Annexure-XII)**

15. Student Support Systems

The members noted the information on good practices. The board congratulated the department for organizing good number of programs for students by IEEE and ISTE chapters, ETA (Electrical Technical Association), Entrepreneurship Cell, NSS unit etc. The members have perused, noted and appreciated the efforts of Mentors for counseling the students on academic, career opportunities and personal issues. **(Annexure-XIII)**

16. Extension Activities

The members have perused, noted and appreciated the efforts of department / college in organizing professional, technical and community development activities. The BoS members have suggested continuing the same. They suggested to encourage students to participate in more number of community activities so that they get integrated with society. **(Annexure-XIV)**

17. Any other item:

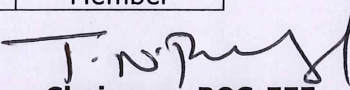
Members suggested to

- a. conduct skill oriented courses as add-on for students ex. Python for Power Electronics, Altium Designer or Allergo for PCB designs and schematics, Verilog systems, PSIM for Electrical Circuit simulation, LT Spice for Electrical Circuit simulation and Semiconductor modeling.
- b. organize more number of certificate programs.
- c. inculcate research culture among the interested students and counsel them for higher education.

Members appreciated the pro-active approach of college management and efforts taken by department for the growth of the department and college.

Members Present:

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Chairman, BOS-EEE