

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

Lr.No.VCE/EEE

Date: 06-12-2014

**MINUTES OF THE BOARD OF STUDIES MEETING HELD ON 06-12-2014**

**AGENDA:**

1. Introduction of BOS members to faculty.
2. Introduction of faculty to BOS members.
3. Brief report on the profile of the department.
4. Discussion on course structure and scheme of examination for ME - I-Semester and BE - I - Year II-Semester.
5. Discussion on first year ME syllabus and BE - I - Year II-Semester Syllabus.

**Members Present:**

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|-----------------------------|---|
| 1. Prof. K.V. Ramana Murthy | - Chairman, BOS                         |
| 2. Dr. Alivelu Manga Parimi | - Assistant Professor , BITS, Hyderabad |
| 3. Dr. PVN Prasad           | - Professor, College of Engineering, OU |
| 4. Dr.R.Balasubramanian     | - Professor, GNITS, Hyderabad           |
| 5. Dr. M. Chakravarthy      | - Professor, EEE Department             |
| 6. Ch. V.S.S. Sailaja       | - Associate Professor, EEE Department   |
| 7. G. Sandhya Rani          | - Assistant Professor, EEE Department   |
| 8. M. Srinivasulu           | - Assistant Professor, EEE Department   |
| 9. G.Pranava                | - Assistant Professor, EEE Department   |
| 10. N. Uday Kumar           | - Assistant Professor, EEE Department   |
| 11. D.Harish Kumar          | - Assistant Professor, EEE Department   |
| 12. P.Ravi                  | - Assistant Professor, EEE Department   |
| 13. R.Sudha                 | - Assistant Professor, EEE Department   |
| 14. Asif Iqbal              | - Assistant Professor, EEE Department   |

HOD (EEE) Welcomed all the members of the Board of Studies to the meeting. The following points were discussed.


1. Prof. K.V. Ramana Murthy introduced the faculty to Honorable BOS Members
2. Prof. K.V Ramana Murthy presented the scheme of Instruction and Examination of ME (Power Systems and Power Electronics) Programme and BE 1st Year II-Semester Programme.
3. Dr. Alivelu Manga Parimi suggested to provide split details of 100 marks allocated for project seminar for ME.
4. Dr.P.V.N Prasad suggested that students who are doing project work in the college should attend college at least for 2 days. Dr.R.Balasubramanian suggested that students should attend 3 days per week.

5. Dr. Alivelu Manga Parimi suggested to include some more electives related to power electronics to strike proper balance between power systems and power electronics.
6. Dr.R.Balasubramanian and Dr. Alivelu Manga Parimi suggested to combine machine modelling analysis and advance synchronous machine theory as one subject by properly choosing the units and the topics.
7. Dr.R.Balasubramanian suggested to include Advanced computer methods in power systems as core subject in place of advanced synchronous machine theory.
8. Dr.P.V.N Prasad suggested that in first semester 4 Core and 2 Elective subjects to be offered to students to provide them ADEQUATE foundation.
9. Dr.P.V.N Prasad suggested Course Objective and Course Outcomes to be included in the syllabus.
10. Dr. Alivelu Manga Parimi suggested to include the text book by M.A.Pai and Prabha Kundur for Advance Synchronous Machine Theory subject. She also suggested that the 5th unit in Applications of Power Electronics To Power Systems subject shall be included in Power Quality Course.
11. Dr. R.Balasubramnian suggested to include EHVAC transmission system in Unit-I of APEPS. He also suggested to include Stability Concepts In Advanced Computer Methods In Power Systems.
12. Dr. Alivelu Manga Parimi suggested to include the text book of B.C.Kur for Modern Control Theory course.
13. Dr. R.Balasubramnaian suggested to include numerical relays in Advanced Power System Protection elective subject.
14. Dr. Alivelu Manga Parimi suggested to include text book by Sunil S.Rao for Advanced Power System Protection elective subject.
15. Dr.R.Balasubramnian suggested to include HVDC light instead of MTDC in application of power electronics to power systems subject.
16. Dr.R.Balasubramnian suggested to change title of renewable energy sources as Power from Renewable Energy Sources. He also suggested that Wind, solar topics should be done in greater depth and design, Maximum Point Tracking and Interfacing with grid should also be included and less emphasis should be given to Ocean Thermal Electric Conversion.
17. Dr.R.Balasubramnian suggested that title reliability Evaluation In Power System should be changed as Power System Reliability.
18. Include latest techniques like PSO and Bat algorithm in AI Applications to Power Systems suggested by Dr. Alivelu Manga Parimi and Dr.R.Balasubramnian.
19. One typical example of ANN and Genetic Algorithm have to be included in AI Applications To Power Systems was also suggested.
20. Bat Algorithm for load flow studies to be included in unit-V of AI Applications To Power Systems was suggested by Dr. Alivelu Manga Parimi.


21. Dr.P.V.N prasad suggested that five experiments from part A and five experiments from part B shall be conducted in power system and power electronics lab.
22. Dr.R.Balasubramnian suggested to remove study experiments.
23. Dr. Alivelu Manga Parimi suggested to include Magnetic Circuits in Basic Electrical Engineering Course for BE 1st year. During discussions it was pointed out that in view of Vast syllabus to be covered in maximum 16 weeks, magnetic circuits will be dealt while dealing transforms and mutual inductance.

In view of ME I-Semester Program has already been started from 17-11-2014, it was decided that the above suggestions will be taken in to consideration from next semester onwards.


The committee has approved the scheme of instruction and syllabi for the ME program and for the BE 1st year II-Semester program.



Dr.R.Balasubramanian  
Member-BOS, Subject Expert



Dr.Alivelumanga Parimi  
Member-BOS, OU Nominee



V.Srinivas  
Member-BOS, Industry Expert



Prof. K.V. Ramana Murthy  
BOS Chairman