



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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Department of Mechanical Engineering

Date: 25-11-2019

Minutes of the V meeting of BOS scheduled on 23-11-2019

The V meeting of the BOS (Board of Studies) of ME was held on 23-11-2019 at 10:00 AM in the Ajivika Conference Hall, Bill Gates Bhavan, AEC. Dr.Bh.Vara Prasad, chairperson presided over the meeting.

Agenda 5.1 : Welcome address by Chairperson-BOS

Prof Bh. Vara Prasad, BOS chairperson invited the distinguished members of BOS to the V BOS Meeting.

Agenda 5.2 : 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 20/07/2019.

Agenda 5.3.: Discussion on proposed AR19 B.Tech(ME) B.Tech Program -III semester syllabus and ratification of the same.

The members of BOS suggested the following changes to the proposed AR 19 course structure of B.Tech

- Suggested to move Production Technology theory and laboratory from III semester to IV semester. Instead Fluid Mechanics and Hydraulic Machines theory and laboratory are moved from IV semester to III semester.
- Suggested to replace Advanced IC Engines from Program Elective I with Automobile Engineering.
- Suggested to replace Fluid Machinery from Program Elective I with Fluid Engineering.
- Suggested to replace Automobile Engineering from Program Elective II with Mechatronics.

- BOS members approved B.Tech. III semester course syllabus of Fluid Mechanics and Hydraulic Machinery, Computer Aided Engineering Drawing Practice, Mechanics of Solids, Thermodynamics, Metallurgy and Material Science, Fluid Mechanics and Hydraulic Machines laboratory, Mechanics of Solids and Metallurgy laboratory, Mechanical and Material Science Engineering theory and Mechanical and Material Science Engineering Laboratory for Petroleum Engineering, Computer Aided Engineering Drawing Practice for Mining Engineering and Managerial Economics and Financial Accounting for Mechanical Engineering, Civil Engg., Electronics and Communications Engg., Computer Science Engineering, Information Technology Engg., Petroleum Technology Engg., Mining Engg. and Agricultural Engineering branches.
- After long discussions with the BOS members on the Syllabus of III Semester, B.Tech., the following suggestions are made:
- Suggested to remove Dimensional Analysis and its contents from Unit IV and General layout of Hydroelectric Power Plant from Hydraulic Turbine topic of Fluid Mechanics and Hydraulic Machines.
- Suggested to add the topic Introduction to Performance of Turbines and Introduction to Performance of Pumps in Unit V of Fluid Mechanics and Hydraulic Machines.
- Suggested to modify the list of text books by removing FM & HM by R. K. Rajput and FM & HM by K. L. Kumar and by adding FM & HM by R. K. Bansal and FM by Frank. M. White.
- Suggested to modify the list of reference books by removing FM by Frank. M. White and FM & MPE by D. S. Kumar and by adding H & FM including Hydraulic Machines by P. N. Modi & S. M. Seth and FM & HM by K. L. Kumar.
- Suggested to remove Projections of Solids from Computer Aided Engineering Drawing Practice.
- Suggested to increase conventional drawing from 2 to 3 units and Computer Aided Drafting is confined to only 2 units in Computer Aided Engineering Drawing Practice course.

- Suggested to remove some basic AutoCAD commands like Edit, Zoom, Hatching, etc., from Computer Aided Engineering Drawing Practice as they are already covered in first year Graphics syllabus.
- Suggested to add selection of materials for various industrial applications under the topic of Composite Materials in Unit V.
- Suggested that in Mechanical and Material Science Engineering subject in Petroleum Technology Engineering branch, from Unit II SFD and BMD is removed for over hanging beams and also UVL is removed for cantilever and simply supported beams. Also relation between SF and BM and rate of loading are replaced with Theory of Simple Bending and Introduction to Torsion.
- Suggested to replace the text book by Bhavikatti with Mechanics of Materials by B. C. Punmia for Mechanical and Material Science Engineering for Petroleum Technology Engineering. Also, another text book Material Science Engineering by Balasubramaniam is removed.
- Suggested to add the topic Balance Sheet in Unit IV of Managerial Economics and Financial Analysis.
- Suggested to include the reference book Economic Analysis for Engineering and Managerial Decision Making by Norman Baris & Seymour Kaplan and to remove Managerial Economics by Suma Damodaran, Managerial Economics by Vanitha Agarwal, Financial Accounting for Managers by Sanjay Dhameja and Financial Accounting by Maheswari.

Agenda 5.4: Discussion on Analysis of results

The BOS chairperson presented odd semester pass percentage for the A.Y.2019-2020. The BOS members noted the same.

Agenda 5.5: Discussion on Analysis of students 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 5.6: Any other item with the approval of Chairman.

- NIL

Agenda 5.7: Scheduling of next Board of Studies meeting.

- The next BOS meeting is tentatively scheduled in the month of October 2020.

Agenda 5.8: Vote of Thanks

Prof Bh. Vara Prasad, BOS Chairperson presented the Vote of thanks.



BOS Chairperson

**Head of the Department
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