

DEPARTMENT OF MECHANICAL ENGINEERING

Minutes of the Meeting - Board of Studies in Mechanical Engineering

Date: 18.07.2020

Board of Studies meeting in Mechanical Engineering was conducted online by using Zoom platform on 18.07.2020 from 10.30 A.M to 2.30 P.M. The Minutes of the Meeting are as follows:

Members Present:

1. Prof. P. Ravinder Reddy, Principal & Professor
2. Prof. G. Chandra Mohan Reddy, Professor
3. Dr.MVS Murali Krishna, Professor
4. Prof. P.V.R. Ravindra Reddy, Professor and Head, Chairman- BOS
5. Dr. N.V. Srinivasulu, Professor
6. Prof. P. Prabhakar Reddy, Professor
7. Prof. G. Laxmaiah, Professor
8. Dr. T. Ratna Reddy, Associate Professor
9. Dr. K. Kishor, Assoc. Professor
10. Dr. R.P. Chowdary, Associate, Professor
11. Dr.L.Suresh Kumar, Assistant Professor
12. Dr.V.V.R. SeshagiriRao, Asst. Professor, Asst. Controller of Examinations
13. Dr. P. Rama Lakshmi, Asst. Professor
14. Prof. P. Laxminarayana, Professor and Dean Academic Affairs, OUCE
15. Dr. S. Venkatesh, Professor, OUCE
16. Dr. N. Venkat Reddy, Professor, IITH
17. Dr. K. Ramesh Kumar, Sc.G, BRAHMOS, DRDL, Hyderabad
18. Dr. C. SatyanarayanaRaju, Sc.G, DRDL, Hyderabad
19. Dr.S.Satyanarayana, Director, A.P.LMEC systems, Hyderabad
20. Mr.M.Rajkiran, Director, Maathrusri Engineers Pvt. Ltd, Hyderabad

AgendaItem 1: Approval of B.E. Mechanical Engineering syllabus (V, VI, VII, VIII semesters) under R-18 Scheme,

1. It is advised to have a course on "**Industrial Safety and Maintenance**", for all B.E. programs. Chairman BoS has informed members that, as the scheme of R-18 was already fixed, The course on "**Industrial Safety and Maintenance**" may be introduced as one of the core elective in the upcoming revision i.e R-20. He further informed that the same will communicated in the upcoming academic council meeting
2. Regarding the Open Electives, it is advised to add the courses appropriately from all the programmes so that the students should have atleast one such elective option in each semester offered by every department, rather than having all the elective offered by one department in only one semester. This modification enables the students in planning

- sequential opting of such courses as per their choice and interest. Chairman BoS informed the members that he will discuss the same in Academic Council meeting
3. Incorporation of "Object Oriented Programming with C++ course in B.E. VI semester was appreciated by the experts.
 4. It is advised develop and add Virtual/Online labs with feasible experiments to be taught to students online, as such arrangements were incorporated by IIT Bombay. It is advised to develop assignments for the lab experiments so that students get the essence of experiment during Covid pandemic. BoS chairman informed the members that this will be done if the classes are planned on line.
 5. Add Case Studies in all relevant courses, like Renewable energy Sources and Entrepreneurship.
 6. 18PE E01 - processing of elastomers is to be added in unit 5.
 7. 18PE E02 - it is recommended to add some more topics of process planning in 4th unit
 8. 18ME E06 -Refer to some political science text books for the course.
 9. 18ME E07 - change the title of the course to either Fuels & Combustion, or Combustion & Fuel Technology.
 10. 18PE E08- flexible forming processes are to be included.
 11. 18ME E14- contents of UNIT-I may be reduced
 12. 18 ME E17- Manufacturing of PV cells should be included.
 13. 18 ME C 17- Assembly modelling and constraints of assembly modelling is to be added.
 14. 18 ME E24- the title may be changed to "Innovation and Intellectual Property Rights".
 15. 18PE E12- ABC analysis, VED analysis and FNSD analysis may be removed if it is there in IIFM
 16. 18 ME O12- Powder bed fusion is to be elaborated.
 17. In the case of newly added subject Blockchain Technology, add a topic related to Industry 4.0, and if available also add a related text book.
 18. In the course 3D printing it is suggested to elaborate the syllabus by adding some more relevant topics.
 19. At the end of the meeting, it was reaffirmed by the Chairman BoS, that recommendations of the BoS meeting would be brought to the notice of the members during the upcoming common BoS and academic council.

Agenda Item 2: Approval of M.E. (CAD/CAM and Thermal Engineering) syllabus under R-18 scheme,

1. 19ME E 14- The title "Heat pipes" may be changed appropriately.
2. 19ME O101- Safety standards for pandemic situations are to be included.
3. 19ME E212- Syllabus of Unit 1 appears to be heavy. "Limitations of simple carburettor and classification of automobile carburettor" may be removed from the syllabus.

Agenda Item 3: Approval of B.E. First year courses, syllabus under R-20 scheme

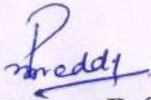
1. The members felt that the syllabus of CAD & Drafting and Workshop / Manufacturing Practice is appropriate.

Agenda Item 4: Approval of modified Department Mission, Vision, PEO's and PSO's statements

1. Suggestions given regarding the modification of PSO's of B.E. Mechanical Engineering were done during the meeting.

Agenda Item 5: Any other item with the permission of the chair

1. The meeting was concluded as no other matter was raised by any member and Chairman BoS thanked all the members for attending the meeting and for giving suggestions.



Chairman, BoS

PROFESSOR & HEAD
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