



Minutes of Board of Studies (BoS) meeting held on 5th March, 2022, at 11.30 am.

The meeting was held at 11.30 am, hosted online on Cisco-Webex platform.

Following Members were present in the meeting:

a. External Panel:

1. Dr. V. Radhakrishnan, Former Professor, IIT Madras
2. Dr. Sounak Kumar Choudhury, Professor, IIT Kanpur
3. Dr. Vinay Kulkarni, Associate Professor, DY Patil Akurdi Pune
4. Mr. Yogesh Uke, 3DS, Pune.
5. Mr. Dilip Sarode, Deputy General Manager, TAL Manufacturing Solutions Ltd,

b. Faculty member from the Dept. of Mfg. Eng. & Ind. Mgmt.:

1. Dr. P.D. Pantawane
2. Dr. B. Rajiv
3. Dr. (Mrs.) N.R. Rajhans
4. Dr. (Mrs.) A. V. Mulay
5. Dr. M.D. Jaybhaye
6. Dr. B.U. Sonawane
7. Dr. S.M. Patil
8. Dr. S.S. Anasane
9. Mr. S.U. Ghunage
10. Dr. J.S. Karajagikar
11. Dr. M. R. Dhanvijay
12. Mr. Suleman Shaikh
13. Dr. Mayur Sawant
14. Dr. Vikas Sisodia
15. Mr. Sagar Shinde
16. Mrs. Avani Londhe

c. Student representative:

1. Pranav
2. Gouri Adling

The agenda for the meeting was:

- To seek the approval of syllabi of the Department of Manufacturing Engineering and Industrial Management, COEP.
- Suggestions regarding the Syllabus

Meeting discussion in brief:

1. Head of Department (HoD), Dr. Pantawane, welcomed the members and presented the overview of S. Y. B. Tech. MSE curriculum.
2. Dr. B. Rajiv presented an overview of Final Year B. Tech. Prod. curriculum.
3. Discussion on syllabi:

Upon conclusion of presentation of syllabi Head welcomed the suggestions were from the experts.

- a. Prof. V. Radhakrishnan (Retd.), suggested that:



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- i. In the curriculum of advance manufacturing lab change detail of jig and fixture to concept of jig and fixture.
 - ii. In the curriculum of tool & die design, reduce number of hours required for teaching the jig and fixture unit.
 - iii. In the curriculum of product design and manufacturing, introduce the concept of creative design, and cultural design.
 - iv. In the curriculum of material forming, introduce the process of forming of composite materials.
 - v. In the curriculum of manufacturing automation, introduce mechanical automation
 - vi. In the curriculum of advance joining technology, introduce the automated welding systems.
 - vii. In the curriculum of smart manufacturing (Honors) the coverage of topics should be well distributed and intelligently reduced.
 - viii. In the curriculum of precision manufacturing introduce the thermal and vibration
 - ix. Metrology for Additive manufacturing and laser metrology and measurement should be introduced in the syllabus.
- b. Prof. Sounak Kumar Choudhury (Retd.) suggested that:
- i. In the curriculum of Metrology and Quality Control lab, introduce demonstration or hand on Coordinate Measuring Machine.
 - ii. In the curriculum of Manufacturing Automation, introduce the concept of cost consideration in assembly as well as include the book authored by Boothroyd of the said subject.
 - iii. Overall syllabus is very good students may get overloaded with academics so some free time may be given to the students to free up their mind from academia.
- c. Mr. Yogesh Uke suggested that:
- i. Include introduction of multi body dynamics and optimization of topology.
 - ii. Discussed on statistics software, data analytics and statistical applications
 - iii. Focus on practical applications
- d. Mr. Dilip Sarode also highlighted the introduction of concept of add laser metrology, GD&T the curriculum of Metrology and Quality Control Metrology and Quality Control. He highlighted the importance of through understanding of basics and fundamentals.

Note: Prof. V. Radhakrishnan (Retd.), Prof. Sounak Kumar Choudhury (Retd.), Mr. Yogesh Uke, and Mr. Dilip Sarode very well appreciated the rigorous efforts made by the department faculties while preparing the syllabus.

The Meeting concluded with vote of thanks by Dept. Head Dr. P.D. Pantawane.

Pune.

Dated: 05th March., 2022.

Dr. P.D.Pantawane
Head, Department of
Manufacturing Engineering and
Industrial Management, COE



Department of Manufacturing Engineering and Industrial Management, COEP.