



Minutes of Board of Studies (BoS) meeting held on 18th March. 2023, at 3.00 pm.

The meeting was held at 3.00 pm, hosted online on google 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. Mr. Yogesh Uke, 3DS, Pune.
4. Mr. Dilip Sarode, Deputy General Manager, TAL Manufacturing Solutions Ltd,

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

1. Dr. S.S. Anasane
2. Dr. (Mrs.) N.R. Rajhans
3. Dr. B. Rajiv
4. Dr. (Mrs.) A. V. Mulay
5. Dr. M.D. Jaybhaye
6. Dr. B.U. Sonawane
7. Dr. P.D. Pantawane
8. Dr. S.M. Patil
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. Narendra Pawar
16. Mrs. Avani Londhe

c. Student representative:

1. Sojwal Deshmukh

The agenda for the meeting was:

- Revision of Curriculum Structure and Syllabi of VIIth and VIIIth semester of B Tech. Manufacturing Science and Engineering

Meeting discussion in brief:

1. Head of Department (HoD), Dr. Anasane, welcomed the members and presented the overview of curriculum structure and syllabi of VIIth and VIIIth semester of B Tech.

2. Discussion on syllabi:

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

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

- i. In the curriculum of Machine Tool and Manufacturing System, include details of evolution of machine tool, modern elements of machine tool, machine tool structure, and machine configuration.



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- ii. Change the course name from machine tool design and manufacturing system to Advanced Machine Tools and Manufacturing System.
 - iii. Remove the older books from references and include updated editions of books as well as preferably year 2000 onwards.
 - iv. There should be few contents on machine tool calibration and testing also need to be included.
 - v. Possibility of inclusion of reconfigurable machine tools.
 - vi. In the curriculum of advanced and additive manufacturing, include challenges in additive manufacturing.
 - vii. In the course contents of Advanced and Additive manufacturing technology, possibility of incorporating multi-material composition of additive manufacturing needs to be considered.
 - viii. In the curriculum of advanced and additive manufacturing, introduce integrated circuit manufacturing in micro and nano technology chapter.
 - ix. In the VIIIth semester major project should also focused on product development activities which include complete flow of design to manufacturing to financial aspect may lead to commercial applications through start-ups.
- b. Prof. Sounak Kumar Choudhury (Retd.) suggested that:
- i. In the curriculum of machine tool design, include details of NC, CNC machine, advance machine, basics of CNC machine control system.
 - ii. Include recent reference book.
 - iii. Change the CO of advanced and additive manufacturing.
- c. Mr. Dilip Sarode suggested that:
- i. Include visit to industry in advanced and additive manufacturing subject.
 - ii. Focus on innovative projects.
 - iii. Small industry projects can also be taken up in collaborative mode.
- d. Scheme-B of VIIIth semester major project has been approved by the experts.

The Meeting concluded with vote of thanks by Dept. Head Dr. S. S. Anasane.

Pune.

Dated: 18th March., 2023.

Dr. S. S. Anasane.
Head, Department of
Manufacturing Engineering and
Industrial Management, COE