



**Minutes of Industry Advisory Board Meeting (IAB) on 25th March, 2021 in Online Mode at 3.30 PM.**

The meeting was held at 03.30 pm, 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. Mr. Abhijit Phadke, Cummins India Pvt Ltd.
3. Mr. Prashant Deshpande, Penta Designers & Engineers Private Limited
4. Mr. Ravindra Kharul, Endurance Technologies Pvt Ltd

b. Faculty member from the department:

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. Kishore Jawale
14. Dr. Ashwini Ramteke
15. Dr. H. Bagchi
16. Dr. P P Chikate
17. Dr. Mayur Sawant
18. Dr. Vikas Sisodiya
19. Mr. Sagar Shinde
20. Dr. S. S. Ohol

The agenda for the meeting was to:

- Suggestions regarding the Syllabus.
- Assessment of the cutting edge technology that needs to be taught through industry expert lectures, seminars, webinars, co-teaching etc.
- Identification and collaboration with industries for research and consultancy projects.
- Industrial visits, summer internship for students and faculty.
- To explore the development of collaborative Labs and research centers in the Manufacturing domain.

Meeting discussion in brief:

1. Head of Department (HoD), Dr. Pantawane, welcomed the members and presented an overview of the department.



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2. Opening suggestions given by experts after departmental presentation:
  - a. Suggestions from Mr. Ravindra Kharul:
    - i. Can a new PGD in 3D Printing be introduced, to which he was made aware of PGD Additive Manufacturing run by the department.
    - ii. The faculty members from the department should attend FDP conducted by SAE India on advanced automobile programs and include the changes in the syllabus. Attending such FDP will also increase faculty-industry interaction.
  - b. Suggestions from Mr. Prashant Deshpande:
    - i. Topics such as Servo-systems/drives should be included along with traditional gear-clutch transmission study.
    - ii. Include topic such as Design of Logistics, and quick response manufacturing.
    - iii. Syllabus has little to no emphasis on Painting process.
    - iv. Welding topic needs upgrade in syllabus, such as including jigs and fixture used in welding.
    - v. Assembly process need to be included as an entire unit.
  - c. Suggestions from Prof. V. Radhakrishnan:
    - i. The department can replicate the Industrial Associate of Department model adopted by IIT Madras. The department can even charge a small fees for its members and this model may promote long term association.
    - ii. The department's faculty count has decreased despite increase in programs offered in the department. The department can include a Chair Professor and it can also reserve a seat for Industrial Chair Professor so as to create long term commitment from the industrial personnel.
    - iii. When applying for funding, the proposal should be submitted in collaboration with one industry partner and one faculty from IIT along with faculty from the department. This may increase the chances of getting proposal sanctioned.
    - iv. When starting a new program in the department, first the faculty members should arrange a seminar and invite industry and academic personnel. After a meaningful discussion a subject can be introduced as an elective, then as a regular subject and then a program.
3. The syllabus was presented and following comments were received.
  - a. Suggestions from Mr. Ravindra Kharul:
    - i. Department should include and emphasis on industry assignments/mini-projects in regular course-work.
    - ii. Can include an elective subject – “Compliance (of various industry Acts)”
  - b. Suggestions from Abhijit Phadke:
    - i. Should include topic related to “Operational excellence”.
    - ii. Topics such as EHS (Environment, Health and Safety) should be included in the syllabus.
4. Discussion on possible collaboration.
  - a. Suggestions from Mr. Ravindra Kharul:
    - i. Altair industries can conduct an industry run elective course on design thinking.
    - ii. Mr. Ravindra Kharul said that he is ready to engage few classes related to vehicle design for PGD Product Design students.
  - b. Suggestions from Abhijit Phadke:



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- i. Identify bright students which can be allocated to IAB members to mentor.  
This may increase the interaction of IAB members with the department as well as benefit students to gain exposure.
5. Closing discussion:
- a. All the experts unanimously voiced their expectation from the next IAB meeting onwards the presentation should begin with “Actions taken based on previous IAB meeting”.

Meeting was concluded with vote of thanks to the chair from the HoD.

Pune.

Dated: 25<sup>th</sup> March, 2021.

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