



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering
Sector No. 26, Pradhikaran,
Nigdi, Pune – 411 044



Minutes of Meeting: 5th Board of Studies Mechanical on 18th Jan 2023

The Fifth Board of studies Mechanical meeting was held on Wednesday, 18th Jan 2023 at 10.30 am in HOD Office conference room, Mechanical

The following members were present:

Sr. No	Name	Designation
1.	Dr. P A Deshmukh	Chairman Board of Studies, HoD Mechanical
2.	Dr. D. G. Thakur	Professor, DIAT, Dept. of Mechanical Engineering, Pune. Academic Council Nominee
3.	Dr. Nitin Gulhane	Professor, VJTI Mumbai Academic Council Nominee
4.	Dr. S. S. Mohite	Professor, Mechanical Department, COEP, Pune Academic Representative Invitee
5.	Mr. R. Radhakrishnan	Director, Pentagon Assembly Automation Pvt Ltd, Pune, Industry Representative
6.	Dr. P. R. Kale	Autonomy Coordinator, Dean SDW, PG Coordinator (Design Engineering)
7.	Dr. N R. Deore	Associate Dean-III, Professor in MED, Specialization: Computational Fluid Dynamics
8.	Mr. A. A. Panchwadkar	Associate Professor in MED, Specialization: Noise, Vibration & Harshness
9.	Mr. S K Bhoite	Associate Professor in MED Specialization: Metallurgy
10.	Dr. U. G. Potdar,	Associate Professor in MED Specialization: Combustion
11.	Dr. Sanjay P. Salve	Associate Professor in MED Specialization: Refrigeration & Air Conditioning
12.	Dr. N. Vivekanandan	Assistant Professor in MED Specialization: Industrial Safety
13.	Mr. L. V. Awadhani	Module Coordinator – Design Engineering Associate Professor in MED
14.	Dr. S. B. Matekar	Module Coordinator – Production & Automation Associate Professor in MED
15.	Mr. U. I. Shaikh	Module Coordinator - Thermal Engineering
16.	Mr. A. V. Suryavanshi	Module Coordinator - Engineering Sciences

Following permanent invitees were present:

Sr. No	Name	Designation
1.	Dr Govind N Kulkarni	Director, PCCoE
2.	Dr. Sheetal U Bhandari	Dean, Academics, PCCoE

Leave of absence was granted to the following Members and Invitees:

1.	Dr. R. B. Ingle	Professor, Dean Academics Cummins COE, Pune SPPU, VC Nominee
2.	Mr. Shirish Bavdekar	Head of Talent Acquisition, 3DPLM, Daussalt system, Pune. Industry Representative
3.	Mr. Sham Bhagat	Sr. Engineer, Whirlpool India Ltd. PG Meritorious Alumnus
4.	Dr A B Lingayat	Module Coordinator – Professional Skill Courses

The agenda for the meeting was as under:

Sr. No.	Description	Action Required
1.	Statutory matters To confirm Minutes of last BOS Meeting (dated:09/06/2022)	Confirmation and information
2.	Changes in Structure and Syllabus of Honors in a. Systems Engineering b. Electrical Vehicle Technology	Approval from the BOS
3.	Structure and Syllabus of Honors courses in a. AIML Based Reliability Engineering b. Computational Intelligence in Mechanical Engineering c. Automation and Robotics d. Additive Manufacturing	Approval from the BOS
4.	Modified Internship Guidelines	Approval from the BOS
5.	Credit Transfer/ Student Exchange	Discussion and Suggestions
6.	Percentage of National Level Examination content in PCCoE syllabus	Discussion and Suggestions
7.	Findings of External Academic Audit	Discussion and Suggestions
8.	Correction in course code at SY and TY Mechanical Structure	Post-Facto Approval
9.	Suggestions in Final year courses and curriculum	Discussion and Suggestions
10	Any other point with the permission of Chair	Discussion and Suggestions

Dr. P A Deshmukh *Chairman & HOD Mechanical*, Welcomed all the members of the Board of Studies Mechanical and initiated the meeting.

05:01 Statutory matters

To confirm Minutes of last BOS Meeting (dated:09/06/2022)

Dr. P A Deshmukh presented and read the MOM of the last BOS.

Dr. P A Deshmukh also expressed actions taken-

Minor changes in course curriculum at SY BTech Mechanical

Swapping of Courses at SY B Tech Mechanical: After 1 year of implementation we can rethink on swapping the courses based on the Observations as suggested by BoS

Approval of curriculum of TY B.Tech programme in Mechanical Engineering Department considering Inclusion of contents in these courses Industrial Engineering, Industry 4.0, Smart Manufacturing, Alternative Energy Sources for I. C. Engines, Design for Reliability.

It was resolved to confirm the minutes of the Fourth BoS meeting.

05:02 Changes in Structure and Syllabus of Honors in

a. Systems Engineering

b. Electrical Vehicle Technology

Dr. N Vivekanandan presented the need for change in the structure and syllabus of the Honors course. Reducing one subject's Content and exposing students to new technology through seminar is proposed. This will also help students to consolidate their literature study for project in the syllabus.

Dr. Gulhane suggested having an industry collaboration upon which it was highlighted that the department has MOU with Capgemini for the systems engineering course, also more companies have placed students on the basis of the said course offered.

Dr. Mohite suggested offering an industry internship of one week as an option to a seminar. Mr. Radhakrishnan expressed that software content be limited and more of hands-on be exercised.

Dr.Thakur expressed including a mini-project, Dr. Gulhane suggested to consider different options like – a seminar, mini-projects, Industrial internships and MOOCs.

Mr. U I Shaikh presented Electrical Vehicle Technology Course.

Dr. Deshmukh put forth the industry tie-ups and infrastructure available at PCCoE in the area of EV and Battery Technology.

Dr. Mohite suggested including Fuel cell Technology, Dr. Gulhane expressed to include modelling of battery cooling, experimentation facility and project in the area.

BoS expressed to focus attention on syllabus content, enrolment credit criteria, placement and outcomes of honors courses.

It was resolved to approve the changes in in Structure and Syllabus of Honors courses.

- *Proposed by.: Dr N Vivekanandan*
- *Seconded by.: Mr U I Shaikh*

05:03 Structure and Syllabus of Honors courses in

- a. AIML Based Reliability Engineering***
- b. Computational Intelligence in Mechanical Engineering***
- c. Automation and Robotics***
- d. Additive Manufacturing***

Dr. Deshmukh briefed about the new proposed honors courses and methodology adopted in drafting the courses.

Dr R B Patil presented AIML Based Reliability Engineering course, an Industry survey, visit to IIT Khargpur, and Internship opportunities were surveyed. Also the draft was referred to different universities for suggestions. It is added that Henkel Adhesives has agreed to conduct different experiments at their lab. Lab development is in process.

Dr. Mohite suggested approaching different industries for tie-ups and including Condition monitoring as part of course.

It was informed to BoS on prerequisites like python and statistics are covered till SY BTech courses.

Dr N R Deore presented Computational Intelligence in Mechanical Engineering course. Industry support for design of curriculum, BoS appreciated the efforts and purpose of including the course, Dr. Gulhane expressed that this course will make students competent for software technology domain in Mechanical Engineering.

Dr. Thakur suggested to appropriately add or reduce the content requisite to number of available hours.

Dr S B Matekar presented Automation and Robotics.

Dr. Mohite suggested to consider exclusive program in the honors area and change the course title appropriately suite the MS program requirements to ' Dynamics and Control System'

Dr Thakur suggested to consider the sustainability of the programs and criteria of offering the program in terms of number of registrations.

Mr. S K Bhoite presented contents of Additive Manufacturing course.

It is suggested to reduce the informative content of the courses and adding conceptual part, material Characterization and Rapid prototyping for Additive manufacturing be considered.

It was informed to BoS on MOU with Autocluster is active and they have agreed for experimentation on metal 3D printing.

It was resolved to approve curriculum of Honors course in Mechanical Engineering program.

- *Proposed by: Dr S B Matekar, Academic Coordinator*

- *Seconded by: Dr P R Kale, Autonomy Coordinator*

05:04 Modified Internship Guidelines

Dr. N R Deore presented Modified Internship Guidelines.

It was presented to BoS that the Students will be undergoing internship in between 6th and 7th semester for minimum 4 weeks duration and term work assessment for same will be only considered for credit offering.

It was resolved to approve Modified Internship Guidelines.

- *Proposed by.: Dr. N R. Deore*
- *Seconded by: Dr S B Matekar, Academic Coordinator*

05:05 Credit Transfer/ Student Exchange Discussion and Suggestions

Dr. S B Matekar expressed that process of student exchange currently being carried out with COEP. One student is going to COEP from mechanical department. There is credit difference for the semesters. It was suggested by BoS to have the semester is replaced as semester or number of credits be replaced by same number of credits.

- *Proposed by: Dr S B Matekar*
- *Seconded by: Mr S K Bhoite*

05:06 Percentage of National Level Examination content in PCCoE syllabus

Mr.L V Awadhani presented the gaps in the content of PCCoE autonomy Syllabus and the National level examination contents.

Dr Thakur Suggested considering the addition of contents and deletion of the obsolescence part of the syllabus.

However, the gap observed is less than 10% and can be a part of self-study by students.

It was suggested by BoS to consider the gap observed for a few courses to incorporate for cycle II syllabus revision.

- *Proposed by: Mr L V Awadhani*
- *Seconded by: Dr. N Vivekanandan, Associate Dean Academics*

05:07 Findings of External Academic Audit

Mr U I Shaikh Presented External Audit findings and suggestions received for curriculum updates.

Dr Gulhane suggested to have a focus on fast learners by incorporating innovative CIE tools.

- *Proposed by: Mr. U I Shaikh*
- *Seconded by: Dr. S P Salve*

05:08 Correction in course code at SY and TY Mechanical Structure

Post-facto approval for different course codes for theory and Lab courses is approved.

- *Proposed by: Dr. S B Matekar*
- *Seconded by: Mr L V Awadhani*

05:09 Suggestions in Final year courses and curriculum

Dr. Mohite suggested modality for the program electives, lectures and tutorials/ experiments in industry. Dr. Gulhane appreciated one semester project provision for students. Dr. Thakur suggested to change the name of few courses namely Mechanical Vibrations & Acoustics

It is approved and suggested to present the structure and syllabus for approval in next BoS meeting.

- *Proposed by: Dr P R Kale, Autonomy Coordinator*
- *Seconded by: Dr. N vivekanandan*

05:10 Any other point with the permission of Chair

Dr. P. A. Deshmukh shared the observations of ISO surveillance audit about absent members for BOS meeting. It is suggested by auditor to take suggestions from absent members via mail communication and subsequent approval for the proceedings of the meeting.

The meeting ended with vote of thanks by Dr. P A Deshmukh

Prepared by.:
Mr A A Panchwadkar



Dr P A Deshmukh
Professor and Head,
Chairman Board of Studies
Mechanical Engineering Department

