

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



**Minutes of Meeting: 4<sup>th</sup> Board of Studies-Mechanical Engineering  
held on 09<sup>th</sup> June 2022**

The Fourth Board of studies-Mechanical Engineering meeting was held on Thursday, 09<sup>th</sup> June 2022 at 10.00 am in HOD Office, Mechanical.

**The following members were present:**

Sr. No	Name	Designation
1.	Dr. P A Deshmukh	Chairman Board of Studies, HoD Mechanical
2.	Dr. R. B. Ingle	Professor, Dean Academics Cummins COE, Pune SPPU, VC Nominee
3.	Dr. Mohite S S	Professor, Mechanical Department, COEP, Pune Academic Representative Invitee
4.	Mr. Sham Bhagat	Sr. Engineer, Whirlpool India Ltd. PG Meritorious Alumnus
5.	Dr. P. R. Kale	Autonomy Coordinator, Dean SDW, PG Coordinator (Design Engineering), Subject Head
6.	Dr. N R. Deore	Associate Dean-III, Professor in MED, Subject Head
7.	Mr. A. A. Panchwadkar	Associate Professor in MED, Subject Head
8.	Dr. C. L. Ladekar,	Associate Professor in MED Subject Head
9.	Dr. U. G. Potdar,	Associate Professor in MED Subject Head
10.	Mr. Sanjay P. Salve	Associate Professor in MED Subject Head
11.	Mr. N. Vivekanandan	Assistant Professor in MED Subject Head
12.	Mr. L. V. Awadhani	Module Coordinator – Design, Associate Professor in MED Subject Head
13.	Mr. S. B. Matekar	Module Coordinator – Production Associate Professor in MED Subject Head
14.	Mr. U. I. Shaikh	Module Coordinator - Thermal Subject Head
15.	Mr. A. V. Suryavanshi	Module Coordinator - Engineering Sciences Subject Head
16.	Dr. A. B. Lingayat	Module Coordinator – Skill Based Courses Subject Head



**Following permanent invitees were present:**

Sr. No	Name	Designation
1.	Dr. Sheetal U Bhandari	Dean, Academics, PCCoE

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

1.	Dr. D. G. Thakur	Professor, DIAT, Dept. of Mechanical Engineering, Pune. Academic Council Nominee
2.	Dr. Nitin Gulhane	Professor, VJTI Mumbai Academic Council Nominee
3.	Mr. R. Radhakrishnan	Director, Pentagon Assembly Automation Pvt Ltd, Pune, Maharashtra. Industry Representative
4.	Mr. Shirish Bavdekar	Head of Talent Acquisition, 3DPLM, Daussalt system, Pune. Industry Representative

The agenda for the meeting was as under:

Sr No.	Agenda Point
1.	<b>Statutory matters</b> To confirm the Minutes of the last BOS Meeting (Dated:12/10/2021)
2.	Minor changes in course curriculum at SY BTech Mechanical
3.	Swapping of Courses at SY BTech Mechanical
4.	Course curriculum for TY BTech courses
5.	Offering Minor Course in Reliability and maintainability Engineering for UG Mechanical Engineering
6.	Credit Transfer through Swayam MOOCs as per recommendations of UGC and AICTE
7.	Any other point with the permission of Chair

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

**04:01 Statutory matters**

*To confirm the Minutes of the last BoS Meeting (dated:25/06/2021)*

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

*Dr. P A Deshmukh also expressed actions taken-*

*Minor changes in FY BTech, FY MTech Design Engineering and FY MTech Heat Power Engineering approved.*

*Major Courses and Minor courses syllabus was presented the same on approval from BoS. It is informed to BoS that approval from the academic council was forwarded to SPPU, and approval for confirming degree for minor and major is accepted.*

***It was resolved to confirm the minutes of the Third BoS meeting.***



#### **04:02 Minor changes in course curriculum at SY BTech Mechanical**

*Minor changes in Course Outcomes and contents of the Applied Thermodynamics and Kinematics & Theory of Machines course were proposed.*

*Dr. R B Ingle Suggested having more Objectives, however, it is not necessary to map the outcome for each unit.*

***It was resolved to approve the minor changes in SY BTech Mechanical Curriculum.***

- *Proposed by.: Mr U I Shaikh*
- *Seconded by.: Mr A A Panchwadkar*

#### **04:03 Swapping of Courses at SY B Tech Mechanical**

*Dr. S B Matekar presented changes to be proposed in SY B Tech Course.*

*Swapping of sem III courses Manufacturing Science and Manufacturing Practices with Sem IV courses Metrology and Mechanical Measurement & Metrology and Measurement Lab.*

*Dr. S S Mohite expressed to consider the prerequisite of the courses, it was discussed that without the manufacturing process understanding, Metrology, Measurement and Limits fits and Tolerances would be difficult to interpret.*

*Dr. R B Ingle suggested to understand the chronology of the subjects as Manufacturing – Limits fits and Tolerances – Metrology, as the sources of error are inevitable while manufacturing then appreciation of measurement would be possible.*

*It was suggested by BoS to Implement the structure, After 1 year of implementation and can rethink on swapping the courses based on the Observations.*

- *Proposed by: Dr S B Matekar*
- *Seconded by: Dr P R Kale, Autonomy Coordinator*

#### **04:04 Course curriculum for TY B Tech courses**

*Dr. P R Kale presented TY B Tech Course curriculum.*

*Dr P A Deshmukh informed to BoS on the conduct of pre-BoS at Department level, and suggestions received from Dean III to include Coding as the mandatory course. It was discussed and decided to offer Coding oriented courses through Comp and IT departments as OEC II and OEC III.*

*Dr R B Ingle expressed to consider the professional electives as per the employability needs and knowledge requirement in industry. Instead of Industrial Tribology and Human Factor Engineering other electives be considered. It was discussed to consider Industrial Engineering, Transmission system Design, Design for Reliability and Material Informatics (Applications of AI & ML in Mechanical Engineering) and with an appropriate place for elective.*





Dr S S Mohite suggested few additional contents in IC Engines namely Performance of – CNG, LPG, Hydrogen Engines. Alternative Fuels, Energy Generation by Recycling Alternative Energy Sources for I. C. Engines as Professional Electives.

Mr Sham Bagat expressed the need of CAE and CFD in industries. It was discussed to have a co-teacher from industry to teach these courses as per Industry needs.

**It was suggested to consider inclusion of contents in these courses: Industrial Engineering, Industry 4.0, Smart Manufacturing, Alternative Energy Sources for I. C. Engines, Design for Reliability at TY BTech Engineering Curriculum.**

**It was resolved to approve curriculum of TY B.Tech programme in Mechanical Engineering Department**

- Proposed by.: Dr. P R Kale
- Seconded by: Dr. Narendra R. Deore Associate Dean, Dean III

#### **04:05 Offering Minor Course in Reliability and Maintainability Engineering for UG Mechanical Engineering**

A Minor course for Mechanical students is proposed as the same course is offered to other branches but is not available for mechanical engineering graduates.

Dr. S S Mohite Suggested to check the industrial need for the course and accordingly modify the content level.

Dr. R B Ingle expressed that the courses enlisted are much specialized.

**It was resolved to modify the content at industry need level for the courses, finalize the titles, study the feasibility to convert this Minor course to Major course and the same be considered for discussion in the next BoS meeting.**

- Proposed by: Dr R B Patil
- Seconded by: Dr S B Matekar

#### **04:06 Credit Transfer through Swayam MOOCs as per recommendations of UGC and AICTE**

Dr P A Deshmukh informed BoS on the recommendation of UGC and AICTE on 30-40% courses be taken in Online mode through MOOC's.

Dr R B Ingle expresses to implement the credit transfer for electives and PG courses.

Dr S S Mohite suggested ensuring a faculty coordinator for each course and student to attend the course in presence of faculty. Exam will be conducted as per our pattern. He also expressed the concern stating that the academic calendar of institute and exam calendar match for online mode a practical difficulty.

It was suggested by BoS to identify the courses, formulate the methodology to implement the MOOC's and also consider the situation in case if the student fails in the course. It was suggested to consider these MOOC's credits as over and above the



regular credit.

- Proposed by: Dr N Vivekanandan
- Seconded by: Dr. N R Deore

**04:07 Any other point with the permission of Chair Discussion and Suggestions**

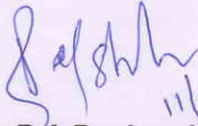
Mr A R Suryawanshi proposed to consider Extra hours and credits to Engineering Graphics. In view of this it was suggested to consider more faculties for a practical class as more emphasis be given to hands-on than classroom teaching.

Dr S U Bhandari suggested to Design the courses as per number of hours prescribed in the syllabus and more free time be given to students for self-preparation. It was also mentioned that extra hour classes are impermissible.

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

**Prepared by.:**

Mr A A Panchwadkar

  
11/06/2022

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



**Chairman**  
**BoS, Mechanical Engineering**  
**PCET's, Pimpri Chinchwad College of Engineering**  
**Sector No. 26, Pradhikaran, Nigdi, Pune-44**