



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



Minutes of Meeting: 3rd Board of Studies Mechanical on 12th October 2021

The Third Board of studies Mechanical meeting was held on Friday, 12th October 2021 at 2.00 pm in Mechanical Seminar Hall.

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. Nitin Gulhane	Professor, VJTI Mumbai Academic Council Nominee
4.	Mr. Sham Bhagat	Sr. Engineer, Whirlpool India Ltd. PG Meritorious Alumnus
5.	Dr. Mohite S S	Professor, Mechanical Department, COEP, Pune Academic Representative Invitee
6.	Mr. R. Radhakrishnan	Director, Pentagon Assembly Automation Pvt Ltd, Pune, Maharashtra Industry Representative
7.	Dr. N R. Deore	Associate Dean-III, Professor in MED, Subject Head
8.	Dr. P. R. Kale	Autonomy Coordinator, Dean SDW, PG Coordinator (Design Engineering), Subject Head
9.	Dr. A. Roy	Associate Dean, Academics, PG Coordinator(Heat Power Engineering), Subject Head
10.	Mr. A. A. Panchwadkar	Associate Professor in MED, Subject Head
11.	Dr. C. L. Ladekar,	Associate Professor in MED Subject Head
12.	Dr. U. G. Potdar,	Associate Professor in MED Subject Head
13.	Mr. Sanjay P. Salve	Associate Professor in MED Subject Head
14.	Mr. N. Vivekanandan	Assistant Professor in MED Subject Head
15.	Mr. L. V. Awadhani	Module Coordinator – Design, Associate Professor in MED Subject Head
16.	Mr. S. B. Matekar	Module Coordinator – Production Associate Professor in MED Subject Head

17.	Mr. U. I. Shaikh	Module Coordinator - Thermal Subject Head
18.	Mr. A. V. Suryavanshi	Module Coordinator - Engineering Sciences Subject Head

Following permanent invitees were present:

Sr. No	Name	Designation
1.	Dr Govind N Kulkarni	Director, PCCoE

Leave of absence was granted to following Members and Invitees:

1.	Dr. D. G. Thakur	Professor, DIAT, Dept of Mechanical Engineering, Pune. Academic Council Nominee
2.	Mr. Shirish Bavdekar	Head of Talent acquisition, 3DPLM, Daussalt system, Pune. Industry Representative
3.	Dr Sheetal U Bhandari	Dean, Academics, PCCoE
4.	Dr. S. S. Lakade	Dean R&I, Professor in MED, Subject Head
5.	Mr. Sanjiwan K. Bhoite	Associate Professor in MED Subject Head

Agenda for the meeting was as under:

Sr No.	Agenda Point
1.	Statutory matters To confirm Minutes of last BoS Meeting (dated:25/06/2021)
2.	Minor changes in course curriculum at FY B Tech Mechanical --Approval from the BOS
3.	Minor changes in course curriculum at FY M Tech Design Engineering--Approval from the BOS
4.	Minor changes in course curriculum at FY M Tech Heat Power Engineering--Approval from the BOS
5.	Syllabus a. Major course in System Engineering b. Major Course in Electrical Vehicle Technology c. Minor Course in Product Design and Development d. Minor Course in Reliability and maintainability Engineering --Approval from the BOS
6.	Project/Internship guidelines at B Tech Mechanical-- Approval from the BOS
7.	Post facto Approval Correction of typographical error at FY M Tech Mechanical (Design Engineering), semester II, Integrated Mini-project course
8.	Any other point with the permission of Chair Discussion and Suggestions

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

03:01 Statutory matters

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

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

Dr P A Deshmukh also elaborated the actions taken-

Inclusion of tutorials for core fundamental courses- For Applied Thermodynamics course over and above tutorial is included. However for other courses, in the practical sessions doubt clearing can be taken up.

Guidelines for monitoring and Evaluation of internship are discussed and drafted, will be presented in the meeting.

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

03:02 Minor changes in course curriculum at FY B Tech Mechanical Approval from the BOS

Mr. Amol Suryawanshi presented FY B Tech changes Course curriculum.

Dr R B Ingle and Dr Nitin Gulhane suggested to use action verbs with higher blooms level, Mapping of CO's with PSO and extend the manufacturing process experiment to include Safety norms.

For Elements of Mechanical Engineering, It was suggested to club the experiments in domain groups namely- Design, Thermal, Manufacturing and Automobile. Students have to perform at least 1 experiment from each domain, in total as prescribed for the course.

It is expressed that PSO are framed and mapped to Affiliated courses. Looking at current scenario, autonomous courses rethought will be for PSO and all the courses progressively will be mapped.

It was resolved to group the experiments and extend manufacturing process of the experiment to include safety norms.

It was resolved to approve the minor changes in FY B Tech Mechanical Curriculum.

03:03 Minor changes in course curriculum at FY M Tech Design Engineering, Approval from the BOS

Dr P R Kale presented FY M Tech Design changes Course curriculum.

In delivery of courses and Internal academic Audit conducted surfaced the need to appropriately rewrite the Objectives and COs. Accordingly changes are presented by

respective course faculty.

Dr R B Ingle suggested reducing the content in the course and making learning a pleasure and for Advanced Vibration and Acoustics contents more focus on Acoustics to be given by removing Continuous Vibration part from the content.

- *Proposed by: Dr P R Kale, Autonomy Coordinator*
- *Seconded by: Mr. A A Panchwadkar*

03:04 Minor changes in course curriculum at FY M Tech Heat Power Engineering, Approval from the BOS

Dr. Anindita Roy presented FY M Tech Design changes Course curriculum.

Separate units for Probability and statistics are framed in Research methodology course. Mapping of 6 outcomes to 6 units was mapped for few of the courses.

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

Dr Nitin Gulhane expressed words link- Design, Analysis, Evaluate, Elaborate, Comprehend, investigate in the outcome statement. Both the members expressed need to revisit the outcome statement and increase to higher order evaluation (blooms level).

Dr G N Kulkarni Suggested to focus more important areas of Renewable energy sources. Course can be restructured to have details covering Wind and Solar Energy. However we can add new Open electives in the domain area & was seconded by Dr Nitin Gulhane.

It is informed to the members on number of credits for open electives and program electives are the same 3 credits each. It is also informed that most of the students avail Industry sponsored Projects and the review process is conducted along with industry guide. Dr R B Ingle expressed concern over the inhouse research work as the projects are industry sponsored.

It was resolved to approve the minor changes in FY M Tech Heat Power Engineering Curriculum.

- *Proposed by: Dr Anindita Roy – PG Coordinator*
- *Seconded by: Dr. Narendra R. Deore Associate Dean, Dean III*

03:05 Syllabus:

- Major course in System Engineering*
 - Major Course in Electrical Vehicle Technology*
 - Minor Course in Product Design and Development*
 - Minor Course in Reliability and maintainability Engineering*
- Approval from the BOS*

Dr P A Deshmukh expressed need to take the approval for major and minor courses at this stage even though they have to be opted at TY B Tech level.

Mr. N Vivkanandan presented System Engineering Major – courses, structure, syllabus.

Informed the BoS about the efforts in collaborating with industries like Capgemini, Dassault, Bosch. Dr N R Deore expressed that the course will be partly taken with industrial collaborations.

Mr. U I Shaikh presented Electrical Vehicle Technology Major - courses, structure, syllabus.

Mr. A A Panchwadkar presented Product Design and Development Minor - courses, structure, syllabus.

Dr. R B Patil presented Reliability and maintainability Engineering Minor - courses, structure, syllabus.

Dr R B Ingle suggested taking faculty training in the domain of courses offered, So that faculty can contribute to the courses. Also suggested the use of white papers published by Major EV manufacturing companies. Industrial expertise for co-teaching in EV domain and Hybrid electric vehicle content to be added at appropriate level.

It was resolved to have industrial collaborations for Major / Minor courses for co-teaching and latest updates in the courses.

It was resolved to approve the courses offered under major and minor and Final approval on syllabus

- *Proposed by: Mr U I Shaikh*
- *Seconded by: Mr N Vivkanandan*

03:06 Project / Internship guidelines at B Tech Mechanical Approval from the BOS

Mr. I R Sathone presented project guidelines and Rubrics for evaluation.

It was suggested by BoS members to clearly differentiate between the rubrics quantify them and share with all concerned. It was informed to the BoS that presently we are maintaining the project diary which includes rubrics for evaluation at different review stages.

Dr R B Ingle suggested to limit the number of students in a project group to 2/3.

Mr. V K Aher presented Internship guidelines.

It was shared by Dr P A Deshmukh that the provision of internship is such that student take it, before going for placement drives. Maximum total extension can be for 12 weeks and creditable of internship will be between 6th and 7th semester.

Dr Nitin Gulhane expressed the need to prepare problem statements for inhouse internship / research internship of students.

It was resolved to approve project / Internship guidelines at B Tech Mechanical

- Proposed by: Mr I R Sathone
- Seconded by: Mr S B Matekar

03:07 Post facto Approvals:

- a. Correction of typographical error at FY M Tech Mechanical (Design Engineering), semester II, Integrated Mini-project course

It was resolved to approve correction of typographical error in integrated mini project course.

- Proposed by: Dr P R Kale, Autonomy Coordinator
- Seconded by: Dr P A Deshmukh, Chairman, BoS Mechanical

03:08 Any other point with the permission of Chair Discussion and Suggestions

Dr R B Ingle suggested for strict implementation of rules, to maintain the quality of education.

Dr Nitin Gulhane tried to understand the process of grievance handling. Dr C L Ladekar elaborated the process. It is suggested by BoS to express the remarks while evaluating papers.

The meeting ended with vote of thanks proposed by Dr. P R Kale.

Prepared by:

Mr A A Panchwadkar

 22.10.21

**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**

