



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

**Minutes of Meeting: 9<sup>th</sup> Board of Studies Mechanical on 30<sup>th</sup> Nov 2024**

The Ninth Board of Studies Mechanical meeting was held on Saturday, 30<sup>th</sup> Nov 2024 at 10.00 am in Offline and online mode: **Google Meet:** [meet.google.com/xpi-ybwd-kkr](https://meet.google.com/xpi-ybwd-kkr)

**The following members were present:**

Sr. No	Name	Designation
1.	Dr. Pravin R Kale, Professor Head of Department	Chairman
2.	Dr. Gautam S. Chandekar, HOD, Mechanical Engineering Department, Cummins College of Engineering, Pune.	University Nominee
3.	Dr. D. G. Thakur, Professor, Department of Mechanical Engineering, Defense Institute of Advanced Technology, Pune	Subject Expert other than Parent University
4.	Dr. Suhas S. Mohite, Professor, Mechanical Department, COEP, Pune	Subject Expert other than Parent University
5.	Dr. Nitin Gulhane, Professor, VJTI Mumbai	Academic Representative
6.	Dr. Nitesh P. Yelve, Assistant Professor, Mechanical Engineering Department, IIT, Bombay, Mumbai	Academic Representative
7.	Mr. Rahul Yadav, Vice President, Anand Group of Industries, Chakan Pune,	Industry Representative
8.	Mr. Vidyut Mhetras, Founder and CEO, VINIDAs Gurukulam of Entrepreneurship and HRD	Experts for special courses of Studies
9.	Dr. Santosh S. Hosmani. Professor, Department of Metallurgical Engineering and Materials Science, IIT, Indore	Academic Representative
10.	Dr. P A Deshmukh, Professor Subject Expert	Subject Expert
11.	Dr. Narendra R. Deore, Professor Specialization: Computational Fluid Dynamics	Subject Expert
12.	Mr. Sanjiwan K. Bhoite, Associate Professor Module Coordinator – Manufacturing Engineering	Subject Expert
13.	Mr. A. A. Panchwadkar, Associate Professor Specialization: Noise Vibration & Harshness	Subject Expert
14.	Dr. S. B. Matekar – Associate Professor	Subject Expert



	Specialization: CAD/CAM	
15.	Dr. Sanjay P. Salve, Associate Professor Specialization: Refrigeration & Air Conditioning	Subject Expert
16.	Dr. L. V. Awadhani – Associate Professor Module Coordinator – Design Engineering	Subject Expert
17.	Dr. C. L. Ladekar, Associate Professor Specialization: Heat Transfer	Subject Expert
18.	Dr. U. G. Potdar, Associate Professor Specialization: Combustion	Subject Expert
19.	Dr. N. Vivekanandan, Asso. Professor Specialization: Industrial Safety Engg	Subject Expert
20.	Mr. U. I. Shaikh – Asst. Professor Module Coordinator –Thermal Engineering	Subject Expert
21.	Dr. Mrs. N. A. Mandhare- Assistant Professor Specialization: Turbomachines	Subject Expert
22.	Dr. R. A. Gujar-Assistant Professor Module Coordinator-Robotics and Automation Engg.	Subject Expert
23.	Dr. Mrs. J. A. Goyal- Assistant Professor Specialization: Energy Engineering	Subject Expert
24.	Dr. A. B. Lingayat-Assistant Professor PG Coordinator- Computational Mechanics Module Coordinator-Proficiency Courses	Subject Expert

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

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1.	Dr. Hemant Raghunath Sonawane, Executive Director, Pune Metro, Pune	Industry Representative
2.	Ms. Shubhda Padwal, Harman International Pvt Ltd, Pune	Alumni Representative
3.	Mr. Rajendra Londhe, GM, Kubota Agriculture Machinery (I) Pvt. Ltd, Pune	Experts for special courses of Studies



The agenda for the meeting was as under:

Sr. No.	Description	Action Required
1.	<b>Statutory matters</b> Confirm the MOM and Action taken report of 8th BOS meeting dated 10 <sup>th</sup> May 2024	Confirm the MOM and Action taken report of 8th BOS meeting
2.	TY Structure for Regulation 2023	Discussion and Approval
3.	UG/PG Exit Policy	Discussion and Approval
4.	Course Equivalence NEP / Non-NEP (Post Facto)	Discussion and Approval
5.	Open elective new-as per Academic Council Suggestion (Post Facto)	Discussion and Approval
6.	Minor change/Major change (FY, SY, PG)	Information
7.	Receive input on the Formative Assessment implemented	Discussion and Suggestions
8.	Post Facto approval for typographical errors in SY curriculum Booklet and introducing the Course codes for PG Programme Elective Course Lab	Approval
9.	Post Facto approval for changes in examination: Summer Term cancellation	Approval
10.	Introduction to New program: Robotics and Automation	Information
11.	Any other point with the permission of Chair	Discussion and Suggestions

Dr L V Awadhani, Welcomed all the members of the Board of Studies Mechanical.

### **09:01 Statutory matters**

To confirm the Minutes of the last BoS Meeting (dated: 10/05/2024)

*Dr. P R Kale welcomed all the members of the BoS Team, he presented and read the MOM of the last BOS.*

*Dr. P R Kale also briefed about the actions taken*

In curriculum design of autonomy cycle 2, care has been taken to address new technologies, Industry requirements, multi-disciplinary minors, and skill development. In Programming and Problem-Solving lab, requirements like MATLAB in part I and Python in part II will be covered. In FY MTech. (Engineering Design) Systems Engineering course is included as an Elective. Few suggestions on open electives and Program Electives will be considered in coming TY and B Tech revisions.

***It was resolved and confirmed the minutes of the eighth BoS meeting.***



## 09:02 TY Structure for Regulation 2023

Dr. L V Awadhani presented the TY structure of UG.

Dr Nitin Gulhane expressed concern on credits allocation for core courses like Machine Design, Heat Transfer and **suggested to have 3 credits for Theory and 1 credit for Lab. The same is recommended by BoS for all Core courses.**

It is informed to BoS that Elective and core course proportions are maintained as per NEP guidelines.

Dr S S Hosmani suggested having Thinker Lab kind of thing as content for workshop practice 3. Dr N P Gulhane suggested to include creating mini project, advanced working methods - 3D Printing, CNC, VMC and Robotics.

Prof. S K Bhoite informed BoS that the syllabus framing is done and includes working product assembly to be done by students.

**It was resolved to approve TY Structure for regulation 2023**

- Proposed by.: Dr. N R Deore
- Seconded by.: Dr L V Awadhani

## 09:03 UG / PG Exit Policy

Dr L V Awadhani presented the exit policy for UG.

Dr D G Thakur enquired number of credits and the time frame to earn the required credit to exit the course.

It is informed to BoS that the framing of the exit policy is as per Nep GR points - 2 and 7. Total 8 credits a student has to earn under Vocational Skill Enhancement course (VSEC) before awarding any certification while opting for course exit.

Dr Nitin Gulhane suggested to have a provision to have these 8 credits under VSEC within semester as over-and-above regular credits, if student is opting to exit the course and has informed prior to start of the academic year. **Dr Nitesh P Yelve suggested to explore the possibility of earning these credit in minimum 2 months and maximum 6 months** and also to consider Internship/VSEC of 8 credits between 2<sup>nd</sup> and 3<sup>rd</sup> year break, if student if opting to exit the course.

Dr S B Matekar presented the exit policy for PG course. PG Diploma is awarded after the exit. Three different options were proposed. It is discussed that UGC supports timelines and as per guidelines max 40 credits to be earned for PG Diploma Certification if students exit the course.

In FY MTech Semester II Research Internship having 6 credits includes hands-on, It is suggested to get industry problem and analyse it in lab.

**Proposal 1: No any additional credits are required to earn the PG Diploma certificate is accepted**



***It was resolved to approve UG and PG Exit Policy.***

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

***09:04 Course Equivalence NEP / Non-NEP (Post Facto)***

Prof. S K Bhoite elaborated on the inclusion of the experiential learning component; formative assessment is changed to 40 marks and summative to 60 marks in new regulation and applicable for TY and B.Tech curriculum. To accommodate the backlog students, a change in content/course title is considered, If the content is less than 80% different course framing different formative assessment paper is required. A committee is formed to address the special cases if any.

***It was resolved to approve course equivalence for NEP and Non-NEP regulations***

- *Proposed by: Prof. S K Bhoite*
- *Seconded by: Dr N Vivekanandan*

***09:05 Open elective new-as per Academic Council's Suggestion (Post Facto)***

Open Elective - Higher mathematics courses and science courses are added and offered by ASH department. Open elective 1, 2 and 3 are dedicated to Mathematics courses, science courses, and Department specific course respectively.

It is informed to BoS that Honours and Minor courses are offered apart from Multi-Disciplinary Minors and students gain additional credits.

Dr Nitesh P. Yelve suggested adding material selection, Advanced Materials and Characterization. Dr Nitin Gulhane suggested considering Robotics and Automation Ownership with mechanical, It is informed to BoS on framing of new proposal for B Tech. in Robotics and Automation Course.

- *Proposed by: Dr N Vivekanandan*
- *Seconded by: Mr A A Panchwadkar*

***It was resolved to approve Open elective new-as per Academic Council's Suggestion***

***09:06 Any Minor change/Major change (FY, SY, PG)***

Minor changes in FY, SY credit reallocation and PG Professional elective order reshuffle in structure.

***It was resolved to approve minor changes in FY, SY, PG.***



### **09:07 Receive input on the Formative Assessment implemented**

Different formative assessment tools used by faculty were discussed. Concept of baby conference was detailed – making students capable for publishing paper was the motive behind the activity. It is informed to BoS of more than 80 papers were finally shortlisted for International conference iMACE 2024, It was well appreciated by BoS members.

- *Proposed by: Prof S K Bhoite*
- *Seconded by: Dr C L Ladekar*

***It was resolved to approve formative assessment tools used by faculty.***

### **09:08 Post Facto approval for typographical errors in SY curriculum Booklet and introducing the Course codes for PG Programme Elective Course Lab**

- *Proposed by: Dr N R Deore*
- *Seconded by: Dr S P Salve*

***It was resolved to approve Post Facto approval for typographical errors in SY curriculum Booklet and introducing the Course codes for PG Programme Elective Course Lab***

### **09:09 Post Facto approval for changes in examination: Summer Term cancellation**

It is informed to BoS that the Summer term is cancelled however summer exam will be conducted and for guidance students to approach faculty.

***It was resolved to approve changes in examination: Summer Term cancellation***

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

### **09:10 Proposal for New B Tech program: Robotics and Automation**

Dr R A Gujar presented the detail proposal. Dr Nitin Gulhane and Dr Nitesh Yelve suggested for name change to 'AI Robotics and Automation' or 'AI and Robotics' or title nomenclature as per AICTE norms. It is discussed that this change will attract more students to the program and will help in placement. Dr Nitesh Yelve suggested to have collaborations with industry or IIT.

***It was resolved to approve Proposal for New B Tech program: Robotics and Automation***

- *Proposed by: Dr R A Gujar*
- *Seconded by: Dr S B Matekar*

**09:11 Any Other Point with the permission of Chair –**

Common code for 'Finite Element Modelling' for FY MTech (Mechanical Engineering Design) and FY MTech (Computational Mechanics) is suggested by BoS chairman and is approved by BoS. Dr Nitesh Yelve suggested to accommodate NPTEL/MOOC and credit transfer in structure, as per NEP guidelines these courses are accommodated.

On behalf of PCCoE and Team Mechanical, HOD and Chairman BoS Dr P R Kale expressed gratitude towards the contribution and Time devoted by all the external BoS members.

**Prepared by:**  
Mr A A Panchwadkar



**Dr P R Kale**  
**Professor and Head,**  
**Chairman Board of Studies**  
**Mechanical Engineering Department**



**Chairman**  
BoS, Mechanical Engineering  
PCET's, Pimpri Chinchwad College of Engineering  
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