

SNJB's
Late Sau. Kantabai Bhavarlalji Jain
College of Engineering

**Shri Neminath Jain Brahmacharyashram (SNJB) (Jain
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ESTD - 1928

SNJB

**Department of Mechanical
Engineering**



Board of Studies (BoS)

Meeting - 05 (41BoSME05)

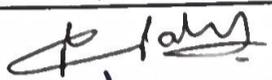
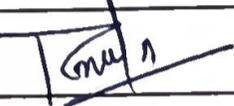
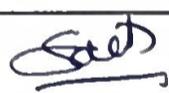
Meeting Date: 18/12/2025

Meeting Time: 1.30 to 3.45 pm

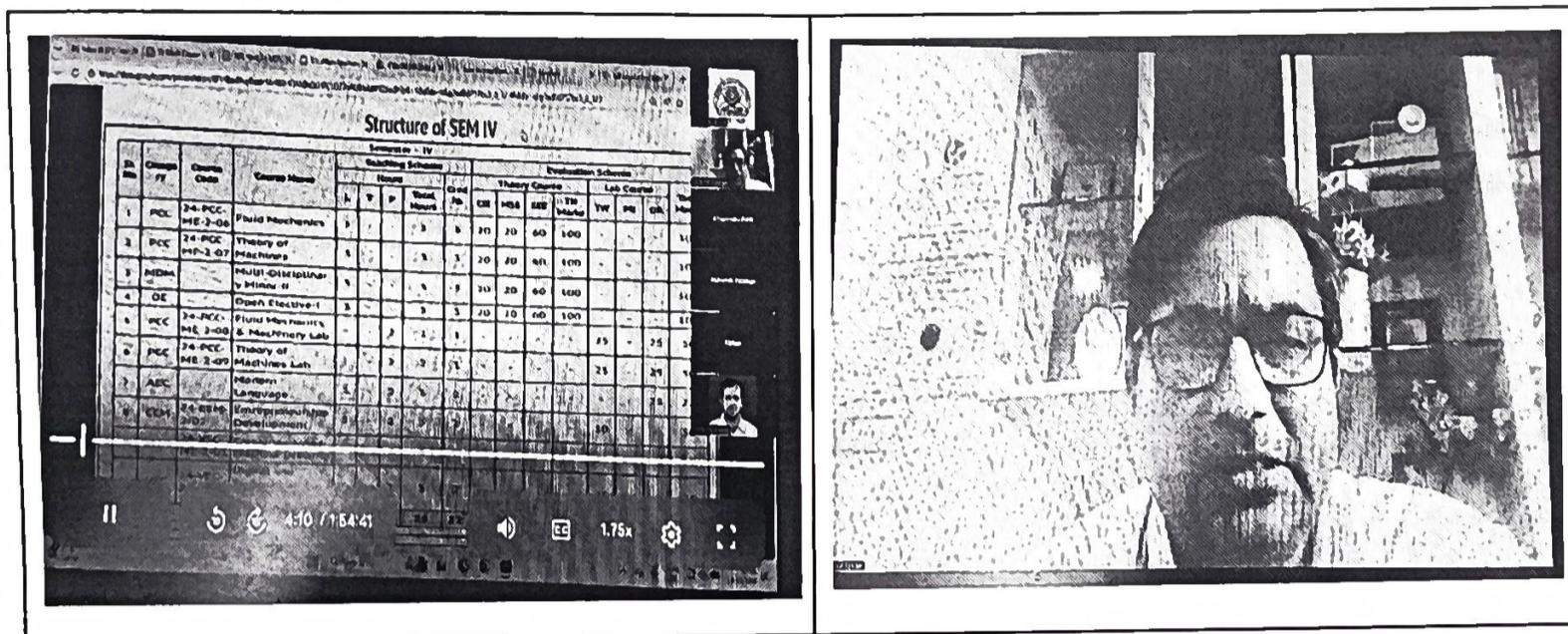
Venue/Mode: Hybrid Mode

Present Members:

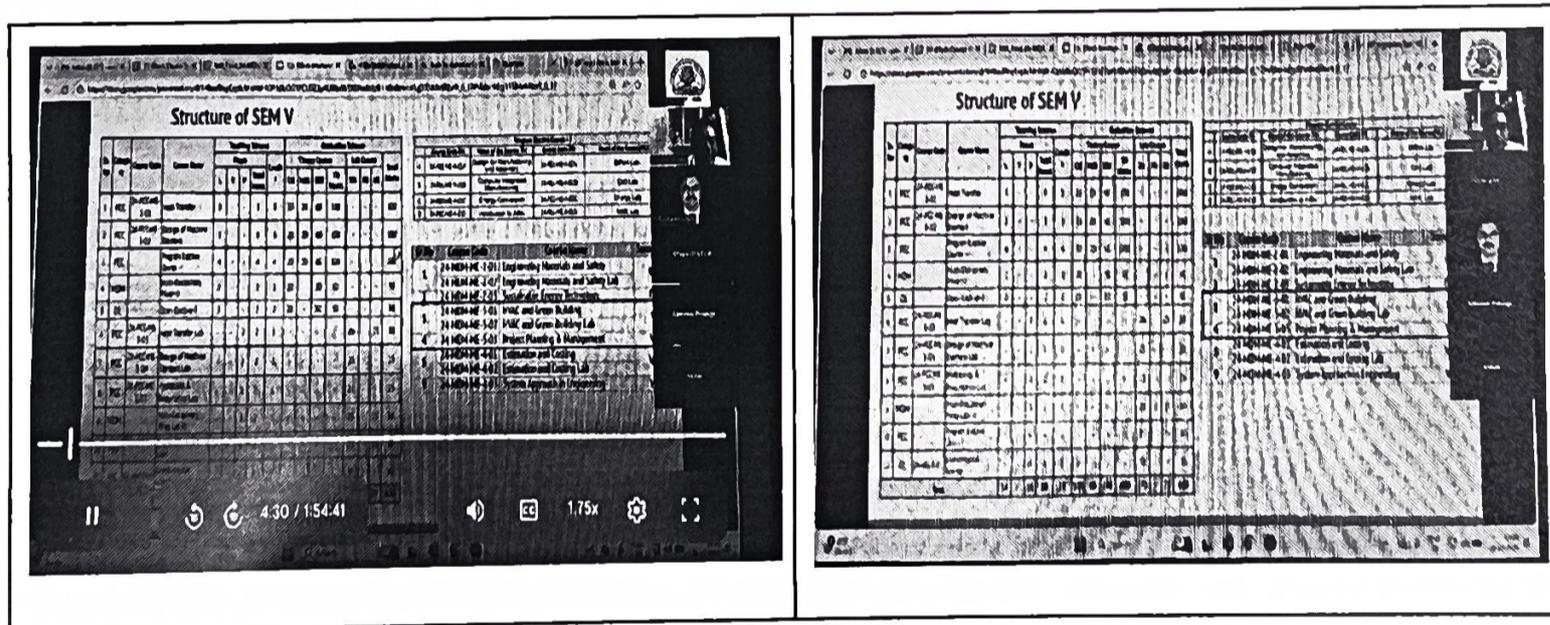
SN	Name	Designation	Institute/Industry	Sign/Remark
1	Dr. S. D. Sancheti	BoS Chairman	SNJB KBJ CoE	
2	Dr.R.G. Tated	Member	SNJB KBJ CoE	Online Via Zoom
3	Dr. A.G.Thakur	Member	Sanjivani College of Engineering Kopargaon	Online Via Zoom
4	Dr. P .B. Kushare	Member	(Professor)K. K. Wagh I. E. E. & R. Nashik.	Online Via Zoom
5	Dr. A. D. Patange	Member	(Vibration - Data Science & AI) Specialist ABB Global Bangalore	Online Via Zoom
6	Dr.Satish Maniyar	CEO	TechnoCAD Nashik	Online Via Zoom
7	Dr.Kishan Fuse	Member	(Professor) Pandit Dindayal Energy University	Online Via Zoom

SN	Name	Designation	Institute/Industry	Sign/Remark
8	Dr. A. Murugesan	Professor & Head	K. S. Rangamy College of Technology, Tiruchengode (TN)	Online Via Zoom
9	Dr. Bhupendra A Patil	Assistant Professor	Government Engineering College Bharuch	Online Via Zoom
10	Dr.P.R.Baviskar	Member	SNJB KBJ CoE	
11	Dr. R. C. Patil	Member	SNJB KBJ CoE	
12	Mr. J. S. Pagar	Member	SNJB KBJ CoE	
13	Mr. R. M. Sonar	Member	SNJB KBJ CoE	Online Via Zoom
14	Mr. R. S. Chaudhari	Member	SNJB KBJ CoE	
15	Mr. H. S. Deore	Member	SNJB KBJ CoE	Online Via Zoom
16	Mr. P. M. Bora	Member	SNJB KBJ CoE	Online Via Zoom
17	Mr. S.U. Patil	Member	SNJB KBJ CoE	Online Via Zoom
18	Mr. K. B. Gore	Member	SNJB KBJ CoE	Online Via Zoom
19	Mr. V. C. Jadhav	Member	SNJB KBJ CoE	Online Via Zoom
20	Mr.D.D.Sancheti	Member	SNJB KBJ CoE	
21	Mr. D. H. Darekar	Member	SNJB KBJ CoE	Online Via Zoom
22	Mr. Y. S. Kulkarni	Member	SNJB KBJ CoE	Online Via Zoom
23	Mr. S.P. Ingale	Member	SNJB KBJ CoE	-
24	Mr. R. N. Chandore	Member	SNJB KBJ CoE	Online Via Zoom
25	Mr. S.C.Pardeshi	Member	SNJB KBJ CoE	
26	Mr. S. R. Mandale	Member	SNJB KBJ CoE	

Present Members: (In case of Online Screenshot of Present Members)



Glimpses of meeting-



Video

Link: <https://drive.google.com/file/d/1R0qNzUF5N45oGskKo1e33n4hvgdGnqKl/view?usp=sharing>

Agenda	
41BoSME05.01	Review of Previous Meeting (41BoSMech04) and Action Taken Report View
41BoSME05.02	Discussion and Approval for the Draft Curriculum of T.Y.

	B.Tech. (Sem V and VI) for 2026-27.
41BoSME05.03	Discussion and Approval for changes in the PEC Course name
41BoSME05.04	Any other Point Related to Academic

Detailed discussion and resolution are as follows:

41BoSME05.01: Confirmation of Minutes of the Meeting and Action Taken Report of 41BoSME03	
Discussion	Dr.S D Sancheti Head of the Mechanical Engineering Department, extended a cordial welcome to all the members of the Board of Studies (BoS). The members thoroughly reviewed the minutes of the previous meeting and confirmed that the discussions held and resolutions passed were correctly and accurately recorded
Resolution	All BoS Members confirm the Minutes of the <u>41BoSME04</u> meeting along with the action taken report as presented. The Board appreciated the timely compliance on the action points.
41BoSME05.02: Discussion and Approval for the Draft Curriculum of T.Y. B.Tech. (Sem V and VI) for 2026-27	
Discussion	<p>The syllabus for the Heat Transfer course was presented by S. U. Patil covers prerequisites, course objectives, course outcomes, and unit-wise content. The members discussed the inclusion of practical examinations and the introduction of CFD tools in the curriculum. Suggestions were made to incorporate a virtual laboratory for heat exchangers and to include experiments using nanofluids to improve heat transfer characteristics. It was also discussed that a dedicated CFD-based course may be introduced in the final year.</p> <p>The Committee member discussed and emphasized the need to integrate manual design calculations with software-based validation using tools such as ANSYS and MATLAB to reflect industry practices for Design of Machine Element</p>

The practical examination structure for the **Manufacturing Laboratory, including machine shop, fitting, sheet metal, and welding, was discussed. Members suggested incorporating higher-order Bloom's taxonomy-based questions** and including non-conventional machining topics. Emphasis was also placed on safety standards.

Discussion on **Hydraulics and Pneumatics Laboratory syllabus, which included basic theory, practical demonstrations, and a design-oriented mini project.** The inclusion of IoT-based systems and industrial visits was discussed.

Discussion on use of AI-based visualization tools such as Desmos in numerical methods and the creation of a common software list for laboratories were discussed.

Discussion on how inculcate industrial case study in metrology and quality control lab

The syllabus and assessment scheme for Project Stage-I were discussed. The members discussed the need for a **normal distribution in project evaluation and the preparation of detailed rubrics.including two reviews, term work, and oral examination.**

The syllabi for Research Methodology, Sustainable Energy Engineering, Agri-Entrepreneurship, and Innovation & Entrepreneurship courses were discussed. Members suggested that Sustainable Energy Engineering be offered at the institute level for interdisciplinary participation.

Resolution

The Board approved the Heat Transfer course syllabus with the inclusion of a practical examination, virtual laboratory exposure for **heat exchangers, and introductory CFD content. The use of nanofluid-based experiments was endorsed. A separate CFD-oriented course shall be considered for the final year.**

The Board approved the **integration of design software** for validation purposes along with manual calculations. The

	<p>Manufacturing Process course syllabus, including theory and practical components, was approved.</p> <p>Manufacturing Laboratory structure with the inclusion of higher-order assessment components, non-conventional machining topics, and enhanced focus on safety practices.</p> <p>BoS members suggested basic theory, practical demonstrations, and a design-oriented mini project. The inclusion of IoT-based systems and industrial visits was discussed.</p> <p>The board approved the Numerical Programming Lab syllabus and recommended the use of AI-based visualization tools. The proposal to prepare a common software list for laboratories was accepted.</p> <p>The Board approved the Metrology and Quality Control Laboratory syllabus, including the industrial case study on different component</p> <p>The Board approved the Project Stage-I syllabus and assessment scheme. Rubric-based evaluation shall be implemented</p> <p>The Board approved the discussed course syllabi. Sustainable Energy Engineering shall be offered at the institute level, and suggestions received shall be incorporated before finalization.</p>
<p>41BoSME05.03:Discussion and Approval for change in the PEC subject in Sem V and Sem VI</p>	
<p>Discussion</p>	<p>The committee discussed the existing structure of Program Elective Course (PEC) subjects wherein Design for Manufacturing and Assembly (DFMA) was offered in Semester V and Computer Aided Design and Analysis (CADA) was offered in Semester VI.</p> <p>It was observed that the current sequence is not pedagogically aligned, as DFMA requires prior knowledge of advanced CAD and analysis tools for effective understanding due to the fact that PEC subjects need to change their sequence.</p>

Resolution	<p>The Board resolved to approve the corrected course content After detailed deliberation, the committee approved the change in the offering of PEC subjects as follows:</p> <ul style="list-style-type: none">• Semester V: Computer Aided Design and Analysis• Semester VI: Design for Manufacturing and Assembly <p>This change shall be implemented from the upcoming academic year, and necessary updates shall be made in the scheme of teaching and curriculum documents accordingly</p>
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Prof. D.H. Darekar

Autonomy MoM Coordinator



Dr. S.D. Sancheti

BoS Chairman

CHAIRMAN
BOARD OF STUDIES MECHANICAL ENGINEERING
S.M.B's
LSKBJ COLLEGE OF ENGINEERING
Chandwad Dist. Nashik