

# **SNJB's Late Sau. Kantabai Bhavarlalji Jain**

## **College of Engineering**

(An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)

Shri Neminath Jain Brahmacharyashram (SNJB) (Jain Gurukul)

Neminagar, Chandwad - 423101, Dist. Nashik (MS, India).

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ESTD - 1928



# **SNJB**

**Department of Applied Science & Humanities**

## **Board of Study (BoS)**

**Meeting - 01 (41BoSSH01)**

**Meeting Date:** 25/03/2024

**Meeting Time:** 10:15 am

**Venue:** Online Zoom Platform

### Zoom meeting details-

SNJB's KBJ COE is inviting you to a scheduled Zoom meeting.

Topic: FE BOS meeting for AEC, BSC, CCC

Time: Mar 25, 2024 10:30 AM Mumbai, Kolkata, New Delhi

Join Zoom Meeting

<https://us04web.zoom.us/j/75941665944?pwd=T0EgoWrflg3auxVlXWpJnKXKTcwcd.1>

Meeting ID: 759 4166 5944

Passcode: 7UtgaB

### Present Members:

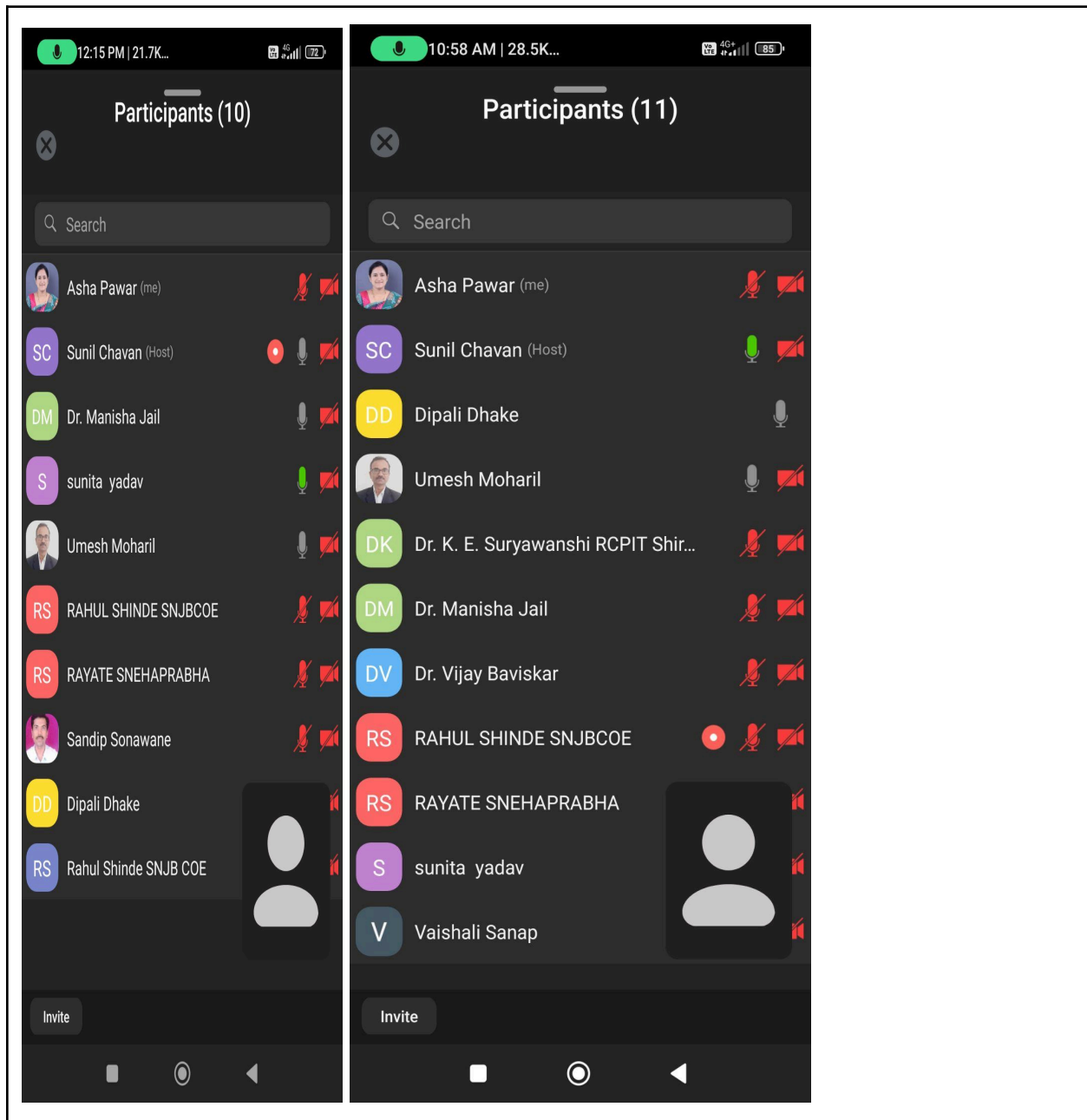
SN	Name	Designation	Institute	Sign/Remark
1	Mr Chavan Sunil B	BOS	SNJB'S COE.	
2	Dr.Umesh Moharil	(BoS Physics) Associate Professor	MMIT COE,Pune.	Online Zoom
3	Dr.Vijay S.Baviskar	Associate Professor	R.C. Patel College of Engineering Shirpur.	Online Zoom
4	Dr. Manisha Jail	Associate Professor	Cumins College of Engineering,Pune.	Online Zoom
5	Dr. S. M. Sonawane	Assistant Professor	Sanjivani COE Kopargaon.	Online Zoom
6	Dr.Kiran Eknath Suryavanshi	Assistant Professor,	R.C. Patel College of Engineering Shirpur.	Online Zoom
7	Dr. Sunita Yadav	Professor	JSPM's Rajarshi Shahu College of Engineering, Tatwade, Pune	Online Zoom

SN	Name	Designation	Institute	Sign/Remark
8	Mrs Dhake D.S.	Assistant Professor	SNJB'S COE.	
9	Mrs.Pawar A.D.	Assistant Professor	SNJB'S COE.	
10	Mrs Rayate S. J.	Assistant Professor	SNJB'S COE.	
11	Mr Shinde R.V.	Assistant Professor	SNJB'S COE.	
12	Mrs Sanap V.A.	Assistant Professor	SNJB'S COE.	

**Absent Members:**

SN	Name	Designation	Institute	Remark
1	Prof.Dr.Sunil G.Kandalkar	Professor	JSPM's Rajarshi Shahu College of Engineering Tathawade, Pimpri-Chinchwad, Pune,Maharashtra, 411033	Absent Due to unavailability
2				
3				
4				

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



## Glimpse of meeting-

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Inbox (8,133) - chavanabcoe@i

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Curriculum for UG Degree Course in B.Tech. (Computer Engineering, Artificial Intelligence & Data Science Engineering) w.e.f. 2024 - 25 (As per NEP 2020 Guidelines)

Semester-I

Course Code	Course Type	Course Name	Teaching Scheme					Examination Scheme					Total Marks				
			Hours			Credits		Theory Course			Lab Course						
			L	T	P	Total	L	T	P	Total	MCQ	SEE	TH	TW	PR	OR	
	Basic Science Courses (BSC)	Engineering Chemistry	5	1		6	1	1		2	20	10	100				
		Engineering Chemistry Lab		2	2		1	1		1	20	40	100				
		Engineering Maths - II	5			5	1	1		1	20	40	100				
		Engineering Graphics	5			5	1	1		1	20	40	100				
	Engineering Science Courses (ESC)	Engineering Graphics Lab		2	2		1	1		1	20	40	100				
		Infrastructure Components	2			2	1	1		1	20	40	100				
		Infrastructure Components Lab		2	2		1	1		1	20	40	100				
	Program Core Courses (PCC)	Program Core Course	2			2	1	1		1	20	40	100				
		Program Core Course Lab		2	2		1	1		1	20	40	100				
	Vocational & Skill Enhancement courses (VSEC)	Technique-II		4	4		2	2		2				25			
	Co-curricular courses (CCC)	Liberal Learning-II Project Based Learning with Design Thinking		4	4		2	2		2				50			
		Total	33	0	18	51	0	9	21	100	80	270	400	175	25	0	650

Note: PCC will be selected by B.U. of respective departments as per the Credits & other details mentioned above

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(An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)

Level 4.5 | First Year

Curriculum for UG Degree Course in B.Tech. (Artificial Intelligence & Data Science Engineering) w.e.f. 2024 - 25 (As per NEP 2020 Guidelines)

Semester-I

Category	Course Code	Course Name	Teaching Scheme					Examination Scheme					Total Marks				
			Hours			Credits		Theory Course			Lab Course						
			L	T	P	Total	L	T	P	Total	MCQ	SEE	TH	TW	PR	OR	
BSC	24-BSC-1-01	Engineering Physics	3	-	-	3	1	-	-	1	20	20	60	100	-	-	100
BSC	24-BSC-1-03	Linear Algebra And Differential Calculus	3	1	-	4	3	1	-	4	20	20	60	100	-	-	100
ESC	24-ESC-1-01	Basic Electrical and Electronics Engineering	3	-	-	3	1	-	-	1	20	20	60	100	-	-	100
ESC	24-ESC-1-02	Programming and Problem Solving	2	-	-	2	1	-	-	1	20	20	60	100	-	-	100
BSC	24-BSC-1-05	Engineering Physics Laboratory	-	-	2	2	-	-	1	1	-	-	-	25	-	-	25
ESC	24-ESC-1-03	Basic Electrical and Electronics Engineering Lab	-	-	2	2	-	-	1	1	-	-	-	25	-	-	25
ESC	24-ESC-1-07	Programming and Problem Solving Lab	-	-	2	2	-	-	1	1	-	-	-	25	-	-	25
VSEC	24-VSEC-1-01	TechSkills	-	-	4	4	-	-	2	2	-	-	-	80	-	-	80
CCC	24-CCC-1-01	Co-Curricular Course -I	-	-	2	2	-	-	1	1	-	-	-	50	-	-	50
ICS	24-ICS-1-01	Indian Knowledge System	-	-	2	2	-	-	1	1	-	-	-	50	-	-	50
AEC	24-AEC-1-01	Professional Communication Skills	-	-	1	1	-	-	1	1	-	-	-	25	-	-	25
	Total		11	4	12	27	11	4	4	21	80	80	240	400	250	0	650

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CO1: Apply the principles and practices of business communication for communicating in a professional environment.  
CO2: Demonstrate capabilities for self-assessment and development.  
CO3: Display competence in oral and visual communication.  
CO4: Design a technical document with correctness of language, appropriate vocabulary and style.

Course Contents			
Unit I	Introduction to Communication & Speaking Skills	4 Hours	Book No.: T7, T5, R2
Introduction to Theory of Communication, Types of Communication, Barriers to Communication, Communication Ethics, Job Interviews			
Exemplar/Case Studies: Write and narrate an article of your choice			
Mapping of Course Outcomes		CO1	
Unit II	Group Discussion	4 Hours	Book No.: T3, T4
Basics of a Group Discussion, Understanding the different types of Group Discussions, Practical tips and suggestions for a GD.			
Exemplar/Case Studies: Having Group Discussion of any given Topics.			
Mapping of Course Outcomes		CO2	
Unit III	Presentation Skills & Public Speaking for Engineers	4 Hours	Book No.: T1, T2, R1
Structuring a compelling business presentation, Engaging an audience and using visual aids effectively, Techniques to manage and reduce public speaking anxiety, Crafting a clear and concise speech outline.			
Exemplar/Case Studies: Mock Press.			

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Agenda	
41BoSSH01.01	To welcome and introduce All Members, also the purpose of the meeting to Discuss F.Y. B. Tech Autonomy Structure & curriculum of Semester 1 & Semester 2 for next Academic Year 2024-25
41BoSSH01.02	Course discussion on Engineering Physics
41BoSSH01.03	Course discussion on Engineering Chemistry
41BoSSH01.04	Course discussion on Engineering Linear Algebra & Differential Calculus & Statistics Probability and Integral Calculus
41BoSSH01.05	Course discussion on Indian Knowledge System.
41BoSSH01.06	Course discussion on Professional Communication Skills
41BoSSH01.07	Course discussion on Co-Curriculum Course with Bucket List
41BoSSH01.08	To Any other point
41BoSSH01.09	Conclusion of Meeting

**Detailed discussion and resolution is as follows:**

41BoSSH01.01: To welcome and introduce All Members, also the purpose of the meeting to Discuss F.Y. B. Tech Autonomy Structure & curriculum of Semester 1 & Semester 2 for next Academic Year 2024-25	
<b>Discussion</b>	<p><b>Introduction of Autonomy Structure:</b> The introduction of an autonomy structure for the F.Y. B. Tech program signifies a shift towards a more student-centric approach to learning. Members are encouraged to share their perspectives on how this autonomy can be leveraged to promote innovation, interdisciplinary learning, and student engagement.</p> <p><b>Curriculum Design</b> for Semester 1 &amp; Semester 2: Members are invited to provide insights into the design of the curriculum for Semester 1 &amp; Semester 2. This includes the identification of core subjects, elective courses, and practical components that align with the learning objectives of the program and cater to the diverse interests and career aspirations of students.</p>
<b>Resolution</b>	Based on suggestions of all Respected Members we aim to ensure that the F.Y. B. Tech Autonomy Structure & Curriculum for the Academic Year 2024-25 is designed to foster holistic development, innovation, and excellence in engineering education.
41BoSSH01.02: Course discussion on Engineering Physics	
<b>Discussion</b>	<ul style="list-style-type: none"><li>● As per discussion with BOS Dr.Umesh Moharil Sir already through mail dated March 2 2024, the syllabus of Engineering Physics got finalized in the BOS Meeting.</li><li>● Members also suggested that they conduct mid sem exams on the first two units and end sem exams on the last four units for better outcome.</li></ul>



	<ul style="list-style-type: none"> <li>● If there is change in the current evaluation scheme, then we can keep the syllabus as it is otherwise BOS members suggested a reduction in syllabus.</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>● Based on the suggestions received by BOS members, we will reduce the syllabus after getting a positive response from the Academic Council.</li> </ul>
<b>41BoSSH01.03:</b> Course discussion on Engineering Chemistry	
<b>Discussion</b>	<ul style="list-style-type: none"> <li>● Engineering Chemistry syllabus draft presented in BOS meeting for syllabus finalization, so Chemistry members suggested removing some topics as students' points of view.</li> <li>● Members said that if the syllabus is vast, students will not learn much in less time.</li> <li>● Dr. Yadav madam and Dr. Jail madam also suggested that they conduct mid sem exams on the first two units and end sem exams on the last four units for better outcome.</li> <li>● Dr. Jail madam suggested taking a combination of theory and some numerical parts in the examination.</li> <li>● Dr. Suryawanshi sir suggested to reduce some content from syllabus</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>● As per the suggestion provided by BOS members during the meeting some topics like corrosion inhibitors, boiler corrosion, advances in fuel cells, Corrosion inhibitors etc. were removed from the syllabus after positive response from academic Council.</li> </ul>
<b>41BoSSH01.04:</b> Course discussion on Engineering Linear Algebra & Differential Calculus & Statistics Probability and Integral Calculus.	

<b>Discussion</b>	<ul style="list-style-type: none"> <li>Linear Algebra &amp; Differential Calculus &amp; Statistics Probability and Integral Calculus syllabus draft presented in BOS meeting for syllabus finalization, so BOS members suggested removing some topics as students' points of view.</li> <li>As per suggestions CO should be topic wise not generalized.</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>As per the suggestion provided by BOS members during the meeting some topics are removed from the syllabus after positive response from academic Council.</li> <li>All CO's are changed and made topicwise as per suggestions and get verified by the Academic Council of college.</li> </ul>
<b>41BoSSH01.05: Course discussion on Indian Knowledge System</b>	
<b>Discussion</b>	<ul style="list-style-type: none"> <li>The purpose of the meeting was repeated : to discuss and finalize the syllabus for the Indian Knowledge System.</li> <li>The syllabus aimed to cover various aspects of Indian Knowledge systems including philosophy,Trading, science,Mathematics, Astronomy, and governance.</li> <li>Concerns were raised about the balance between traditional and contemporary knowledge within the syllabus.</li> <li>Suggestions related to form a working group to develop teaching materials and methodologies aligned with the finalized syllabus</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>Based on the feedback received, adjustments were made to the syllabus to address concerns and enhance its effectiveness.</li> <li>Additional topics were included to provide a more holistic understanding of Indian knowledge systems.</li> </ul>

	<ul style="list-style-type: none"> <li>• After thorough discussion and revisions, the final version of the syllabus was agreed upon by all attendees &amp; development of Teaching materials e.g. online videos .</li> <li>• Attendees were encouraged to continue their collaboration in ensuring the successful implementation of the Indian Knowledge System syllabus.</li> </ul>
<b>41BoSSH01.06:</b> Course discussion on Professional Communication Skills	
<b>Discussion</b>	According to expert Content of the syllabus is okay only we need to focus assesment and execution part of the course because it contains Term work.
<b>Resolution</b>	We have added case studies for more understanding of the subject.
<b>41BoSSH01.07:</b> Course discussion on Co-Curriculum Course with Bucket List	
<b>Discussion</b>	<ul style="list-style-type: none"> <li>• Discussion Based on bucket list provided by Academic Council.</li> <li>• BOS members raised questions about rubrics and evaluation schemes.</li> <li>• How will you conduct a yoga session based on students' strength?</li> <li>• Is there a continuous assessment or examination for sports?</li> <li>• For NSS which activities we have planned?</li> <li>• Which activities are there under cultural?</li> </ul>
<b>Resolution</b>	<ul style="list-style-type: none"> <li>• We have provided bucket list for CCC as follows: 1.Yoga 2.Sports 3.NSS 4.Cultural.</li> <li>• We have discussed the rubrics scheme as planned according to guidelines given by the Academic Council.</li> <li>• For yoga upto 120 students will conduct offline sessions and for more than 120, will provide online courses Or they suggested us to conduct a separate 21 days yoga program for beneficiaries of students.</li> <li>• Examination scheme will be followed by the exam department for physical examination.</li> </ul>

	<ul style="list-style-type: none"> <li>• Will conduct regular activities like Campus cleaning, Tree plantation, Watering etc.</li> <li>• Attendees were encouraged to continue their collaboration in ensuring the successful implementation of the CCC.</li> </ul>
<b>41BoSSH01.08:</b> To Any other point	
<b>Discussion</b>	<b>Curriculum Evaluation:</b> Scrutinize the proposed curriculum changes, including core courses, electives, and any modifications to existing modules such as first exam based on first two units & End semester exam on remaining four units Ensure that the curriculum meets industry standards for learning process.
<b>Resolution</b>	We ensure that we will propose the above discussion & guidelines given by BOS members proposed to the academic to the academic council of the college.
<b>41BoSSH01.09:</b> Conclusion of Meeting	
<b>Discussion</b>	As we conclude the meeting on the F.Y. B. Tech Autonomy Structure & Curriculum for the next Academic Year 2024-25, we are pleased to acknowledge the fruitful discussions and collaborative efforts undertaken by all members present. The meeting served as a platform to welcome and introduce the autonomy structure for the First Year Bachelor of Technology program, as well as to deliberate on the curriculum design for Semester 1 & Semester 2.
<b>Resolution</b>	-

**Member Secretary**  
Sign & Stamp

**Chairman**  
Sign & Stamp