

Department of First Year Engineering				
Academic Year 2024-25				
Innovative Teaching pedagogy				
Sr. No.	Name of the Staff	Course/Lab Name	Teaching pedagogy	Description of activity
1	Prof. Mahesh Godse	Engineering Physics	Mentimeter Quiz	Mentimeter quiz is an interactive teaching tool that engages students through real-time questions and instant feedback. It promotes active learning by allowing anonymous participation via smartphones or devices. It fosters collaboration, inclusivity, and immediate assessment of student comprehension.
2	Prof. Mahesh Godse	Engineering Physics	Learning through Mind Map	Learning through Mind Map is an innovative teaching method that visually organizes information. It helps students understand complex concepts by showing relationships between ideas. This technique boosts memory, creativity, and critical thinking skills. Mind mapping makes learning interactive, engaging, and student-centered.
3	Prof. Mahesh Godse	Engineering Physics	Peer Learning	Peer Learning is an innovative teaching method where students learn collaboratively by teaching and supporting each other. It encourages active participation, communication, and critical thinking. Learners engage in group discussions, problem-solving, and shared knowledge-building. This approach enhances understanding, confidence, and teamwork skills.
4	Dr. Shahuraj S Sable	Basic Electrical Engineering	Mentimeter Quiz	The Mentimeter tool quiz is a collaborative educational instrument that captivates pupils by real-time enquiries and immediate response. It facilitates active learning by enabling anonymous involvement through cellphones or devices. It promotes collaboration, inclusivity, and prompt evaluation of student understanding.
5	Dr. Shahuraj S Sable	Basic Electrical Engineering	Learning through Mind Map	Learning through Mind Map is an innovative teaching method that visually organizes information. It helps students understand complex concepts by showing relationships between ideas. This technique boosts memory, creativity, and critical thinking skills. Mind mapping makes learning interactive, engaging, and student-centered.
6	Dr. Shahuraj S Sable	Basic Electrical Engineering	Learning through Animation	Learning through animation makes complex concepts easier to understand by visualizing them in motion. It enhances engagement and retention by combining visuals with interactive storytelling.
7	Dr. Shahuraj S Sable	Basic Electrical Engineering	Peer Learning/ Flip Classroom	A flipped classroom is a teaching approach where students review instructional content at class, and engage in interactive, hands-on activities in class. This method promotes active learning and deeper understanding through discussion and problem-solving.
8	Dr. Shahuraj S Sable	Basic Electrical Engineering	NPTTEL Video	NPTTEL video learning offers high-quality educational content from top Indian institutes, covering a wide range of engineering, science, and humanities subjects. It enables self-paced learning with expert lectures, helping students and professionals enhance their knowledge and skills.
9	Prof. Arti Bindu	Basic Electrical Engineering	Mentimeter Quiz	Mentimeter quiz is the perfect way to test, engage and entertain your audience in any number of different situations.
10	Prof. Arti Bindu	Basic Electrical Engineering	Flip classroom	Flip classroom is an innovative teaching method where students learn collaboratively by teaching and supporting each other. It encourages active participation, communication, and critical thinking. Learners engage in group discussions, problem-solving, and shared knowledge-building. This approach enhances understanding, confidence, and teamwork skills.
11	Prof. Arti Bindu	Basic Electrical Engineering	Nptel lectures and videos	students looking to improve their technical knowledge or learn new skills
12	Prof. Arti Bindu	Basic Electrical Engineering	Mind Map	Learning through Mind Map is an innovative teaching method that visually organizes information. It helps students understand complex concepts by showing relationships between ideas. This technique boosts memory, creativity, and critical thinking skills. Mind mapping makes learning interactive, engaging, and student-centered.
13	Prof. Premkumar V Kolle	Engineering Mathematics-I & II	Learning through Mind Map	It helps students understand complex concepts in Mathematics by showing relationships between ideas and types. This technique boosts memory, creativity, and critical thinking skills. Mind mapping makes learning interactive, engaging, and student-centered.
14	Prof. Premkumar V Kolle	Engineering Mathematics I & II	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
15	Dr. Anand Daulatabad	Engineering Chemistry	Online Quiz	online quizzes: It offer a dynamic and engaging way to assess understanding, provide instant feedback, and enhance learning experiences.
16	Dr. Anand Daulatabad	Engineering Chemistry	Flip classroom	By flipping the classroom, one can create a more interactive, student-centered learning environment
17	Prof. Aniruddh Dubal	Engineering Mechanics	Peer Learning	Peer learning is a cutting-edge approach to education in which students work together to teach and encourage one another. It promotes critical thinking, communication, and active engagement. Students participate in problem-solving, group discussions, and the development of common knowledge. This method improves comprehension, self-assurance, and collaborative abilities.
18	Prof. Aniruddh Dubal	Engineering Mechanics	NPTTEL Lectures	Students seeking to acquire new skills or upgrade their technical expertise
19	Prof. Manoj V. Junnarkar	Engineering Physics	NPTTEL/Swayam Lectures	Students and learners seeking to develop new skills, enhance their technical proficiency, pursue advanced competencies, deepen their expertise, and expand or refine their technical skillset.
20	Prof. Manoj V. Junnarkar	Engineering Physics	Peer Learning/Flip classroom	Flipped classrooms enhance student engagement, support diverse learning styles, improve concept mastery, facilitate blended or hybrid learning, enable differentiated instruction, encourage collaborative learning through teamwork and peer interaction, and maximize the effective use of classroom time.
21	Prof. Manoj V. Junnarkar	Engineering Physics	Online Quiz	Online quizzes provide an engaging and efficient way to evaluate comprehension, offer real-time feedback, reinforce learning, and keep students actively involved in the learning process.
22	Prof. Manoj V. Junnarkar	Engineering Physics	Problem Solving Skills_Open Book Test	Open-book tests promote analysis, evaluation, and application of subject matter, helping students focus on understanding concepts rather than rote memorization.
23	Prof. Manoj V. Junnarkar	Engineering Physics	power point Presentation with animated GIF	An engaging PowerPoint presentation that incorporates animated GIFs to illustrate concepts and capture attention
24	Prof. Manoj V. Junnarkar	Engineering Physics	IIT Virtual Lab	IIT Virtual Labs offer remote access to laboratory resources, enabling cost-effective, self-paced learning in a safe, interactive environment that reinforces theoretical concepts through engaging simulations.
25	Prof. Shital Ekhande	Engineering Mathematics-I	Flip classroom	By flipping the classroom, one can create a more interactive, student-centered learning environment
26	Prof. Shital Ekhande	Engineering Mathematics-I & II	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
27	Prof. Shital Ekhande	Engineering Mathematics-I & II	Online Quiz	online quizzes: It offer a dynamic and engaging way to assess understanding, provide instant feedback, and enhance learning experiences.
28	Prof. Ankush S Patil	Engineering Mechanics	Flipped Classroom	In this method, students were assigned topics from the "Kinetics of a Particle" unit to study and create PPT presentations. This approach encouraged deeper understanding by having students teach peers through presentations. It promoted active engagement, critical thinking, and public speaking. Students applied theoretical knowledge to real-world problems. This method significantly boosted confidence and ownership of learning.
29	Prof. Ankush S Patil	Engineering Mechanics	Animated Videos for Concept Learning	Animated videos on Trusses, Area Moment of Inertia, and Momentum were used to enhance visualization of complex concepts. These videos helped students relate theory to real-life applications, such as structural design and motion analysis. Visual learning improved clarity and engagement, especially for abstract mechanics topics. The method supported active learning and was well-suited to flipped classroom models. It catered to diverse learning styles, improving retention and interest.
30	Prof. Ankush S Patil	Engineering Mechanics	MCQ Quiz	A Google Form-based quiz assessed students' grasp of "Kinetics of a Particle" using conceptual MCQs. It tested key areas like Newton's Laws, impulse-momentum, D'Alembert's principle, and work-energy methods. The quiz promoted critical thinking and immediate feedback reinforced learning. It improved problem-solving skills and corrected misconceptions. This approach made assessment interactive and reinforced theoretical understanding through practice.

31	Prof. Ankush S Patil	Engineering Mechanics	Mind Map	Mind mapping was used to visually organize core Mechanics topics like Force Systems, Equilibrium, Friction, Kinematics, and Kinetics. It helped students see interconnections among concepts, aiding memory and conceptual clarity. This visual tool supported analytical thinking and structured revision. It encouraged holistic understanding instead of rote memorization. Mind maps were effective in condensing large content into logical, memorable formats.
32	Prof. Nilima R. Bawane	Engineering Graphics	Prepared A3 size booklet on each unit	for additional practice including university questions with some sample answers
33	Prof. Nilima R. Bawane	Engineering Graphics	1D, 2D, and 3D model	to clear the concept
34	Prof. Nilima R. Bawane	Engineering Graphics	Also provided self-study E-material	for additional practice including Question bank
35	Prof. Nilima R. Bawane	Engineering Graphics	Animated PPT	for better understanding each and every step for self study
36	Prof. Nilima R. Bawane	Engineering Graphics	Google Quiz	to follow the track, that student completed given problem in specified time, generated google quiz and mention them to upload their solution in it
37	Prof. Nilima R. Bawane	Engineering Graphics	You tube Video	for self study
38	Prof.Kirti Takale	Engineering Mathematics-I	Flip classroom	By flipping the classroom, one can create a more interactive, student-centered learning environment
39	Prof.Kirti Takale	Engineering Mathematics-I & II	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
40	Prof.Kirti Takale	Engineering Mathematics-I & II	Online Quiz	online quizzes: It offer a dynamic and engaging way to assess understanding, provide instant feedback, and enhance learning experiences.
41	Bhargavi Dalal	Fundamentals of Programming Language	Brainstorming Pedagogy	To generate innovative and diverse ideas for improving students engagement through BrainStorming Session.
42	Bhargavi Dalal	Fundamentals of Programming Language	Mind Map	To visually organize and connect ideas around a central concept or problem, enabling students to explore relationships, identify key components, and generate creative solutions through non-linear thinking.
43	Bhargavi Dalal	Fundamentals of Programming Language	IIT VLab	To cultivate a dynamic environment that promotes innovation, entrepreneurship, and technology development by supporting students, researchers, and startups in transforming ideas into viable products, services, or ventures.
44	Bhargavi Dalal	Fundamentals of Programming Language	Quiz	To assess participants' understanding and retention of key concepts related to fundamental programming in of C and Operator and Expression, while encouraging active recall, critical thinking, and engagement in a fun and competitive manner.
45	Bhargavi Dalal	FPL/PPS	Presentation	To Clearly explain the problem statement and the motivation behind the project and Showcase the design methodology, tools, and technologies used.
46	Prof. Ajay Sonawane	FPL/PPS	Presentation	Students delivered presentations to showcase their implementation process of programming tasks and mini-projects. The activity focused on explaining the logic used, challenges encountered during development, debugging strategies, and how those challenges were overcome. This helped reinforce theoretical concepts from both Fundamentals of Programming Language and Programming for Problem Solving courses. The activity enhanced students' communication skills, problem-solving abilities, and confidence in presenting technical content effectively.
47	Prof. Ajay Sonawane	Programming for Problem solving	Quiz	To evaluate students' knowledge and comprehension of Python programming concepts, a quiz was conducted covering topics such as variables, control structures, functions, arrays, and basic problem-solving logic. This formative assessment method helped gauge students' understanding, identify learning gaps, and reinforce key concepts from the Programming for Problem Solving course. The quiz format encouraged timely revision and active recall of the material.
48	Prof. Ajay Sonawane	FPL/PPS	Flip Classroom	In this approach, students were assigned subtopics from the Python programming syllabus—such as data types, control structures, functions, and file handling—to study independently and prepare PowerPoint presentations. By teaching their peers through these presentations, students achieved a deeper understanding of core Python concepts. This method fostered active learning, critical thinking, and public speaking skills. Additionally, students applied Python to solve real-world problems, such as basic automation tasks or data processing, which enhanced their confidence and promoted a sense of ownership in their learning journey.
49	Dr. Chhaya Joshi	Professional Communication Skills	Mentimeter Quiz	Mentimeter quiz is an interactive teaching tool that engages students through real-time questions and instant feedback. It promotes active learning by allowing anonymous participation via smartphones or devices. It fosters collaboration, inclusivity, and immediate assessment of student comprehension.
50	Dr. Chhaya Joshi	Professional Communication Skills	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
51	Dr. Chhaya Joshi	Professional Communication Skills	Animated Videos	for better understanding each and every step for self study
52	Dr. Chhaya Joshi	Professional Communication Skills	Gamification	Incorporate game elements like points, badges, and challenges into learning.
53	Dr. Chhaya Joshi	Professional Communication Skills	Socratic Method / Dialogic Teaching	Uses dialogue and questioning to stimulate critical thinking.
54	Dr. Chhaya Joshi	Professional Communication Skills	Mindfulness & Social-Emotional Learning (SEL) Integration	Integrating emotional intelligence, empathy, and mental well-being into learning. Builds resilience, self-awareness, and positive relationships through Public Speaking Skills and Presentation Skills.
55	Dr. Chhaya Joshi	Professional Communication Skills	Peer Learning/ Flip Classroom	A flipped classroom is a teaching approach where students review instructional content at home, typically through videos, and engage in interactive, hands-on activities in class. This method promotes active learning and deeper understanding through discussion and problem-solving.
56	Dr. Chhaya Joshi	Indian Knowledge System	Google Quiz	to follow the track, that student completed given problem in specified time, generated google quiz and mention them to upload their solution in it
57	Dr. Chhaya Joshi	Indian Knowledge System	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
58	Dr. Chhaya Joshi	Indian Knowledge System	Presentation	PresentationThe objectives of student presentations and oral assessments on sensors and communication systems are to evaluate their understanding of key concepts, including the principles, types, and applications of sensors and communication systems. These sessions aim to enhance communication skills by encouraging students to explain complex topics clearly to an audience.
59	Dr. Chhaya Joshi	Indian Knowledge System	Peer Learning/ Flip Classroom	A flipped classroom is a teaching approach where students review instructional content at home, typically through videos, and engage in interactive, hands-on activities in class. This method promotes active learning and deeper understanding through discussion and problem-solving.
60	Dr. Chhaya Joshi	Indian Knowledge System	Project-Based Learning	Students work on real-world projects over extended periods. evelops problem-solving, collaboration, and critical thinking.
61	Dr. Chhaya Joshi	Indian Knowledge System	Blended Learning	Combines online digital media with traditional classroom methods. Offers flexibility and accommodates different learning styles.
62	Dr. Chhaya Joshi	Indian Knowledge System	Experiential Learning	Learning through reflection on doing (e.g., labs, internships, simulations, Educational Visits).Increases retention and real-world applicability.
63	Dr. Kavita U. Shinde	Engineering Mathematics-II	Quiz	a digital assessment created using Google Forms that tests students' understanding of math concepts.
64	Dr. Kavita U. Shinde	Engineering Mathematics-I&II	Flip classroom /peer learning	Peer learning in math involves students teaching, explaining, or discussing math topics with their classmates.
65	Dr. Kavita U. Shinde	Engineering Mathematics-I	Case study	a teaching approach that uses detailed cases based on real or hypothetical situations to engage learners in discussion, analysis, and decision-making.
66	Prof. Ankita Gadekar	FPL/PPS	Presentation	Students generally prepare a programming presentation on a particular topic—especially useful for teaching in a flipped classroom or engaging students effectively.
67	Prof. Ankita Gadekar	FPL/PPS	Quiz	programming quiz for beginner-level students, covering basic concepts in programming (language-neutral, but mostly applicable to Python).
68	Prof. Ankita Gadekar	FPL/PPS	Flip classroom	A flipped classroom is a modern teaching strategy that reverses the traditional learning environment. Students work on coding exercises, projects, or debug problems.

69	Prof. J.S.GORE	Basic Electrical Engineering	Peer Learning	Peer Learning is an innovative teaching method where students learn collaboratively by teaching and supporting each other. It encourages active participation, communication, and critical thinking. Learners engage in group discussions, problem-solving, and shared knowledge-building. This approach enhances understanding, confidence, and teamwork skills.
70	Prof. J.S.GORE	Basic Electrical Engineering	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
71	Prof. J.S.GORE	Basic Electrical Engineering	Google Quiz	To follow the track, that student completed given problem in specified time, generated google quiz and mention them to upload their solution in it
72	Prof. J.S.GORE	Basic Electrical Engineering	Mind Map	Learning through Mind Map is an innovative teaching method that visually organizes information. It helps students understand complex concepts by showing relationships between ideas. This technique boosts memory, creativity, and critical thinking skills. Mind mapping makes learning interactive, engaging, and student-centered.
73	Prof. J.S.GORE	Basic Electrical Engineering	Animated PPT	for better understanding each and every step for self study
74	Prof. J.S.GORE	Electrical And Electronic Engg.	IIT VLab	To cultivate a dynamic environment that promotes innovation, entrepreneurship, and technology development by supporting students, researchers, and startups in transforming ideas into viable products, services, or ventures.
75	Prof. Swati C. Narule	Basic Electronics Engineering	Video Pedagogy	Video Pedagogy is a concept in which video has created a pedagogy for current learning and teaching practices, disciplines, and environments. It brings together the concepts and practice of video as pedagogy by providing theoretical discussion and practical guidance and recommendations on the use of video in learning and teaching, drawing on a wide range of case studies business education, architectural education, engineering, mathematics, etc.
76	Prof. Swati C. Narule	Basic Electronics Engineering	Seminar / Presentation	Presentations are a great way to have students practise all language systems areas (vocabulary, grammar, discourse and phonology) and skills (speaking, reading, writing and listening). They also build confidence, and presenting is a skill that most people will need in the world of work.
77	Prof. Swati C. Narule	Basic Electronics Engineering	Online Quiz	An online quiz is an excellent way to evaluate a student's knowledge. It is very effective in the online learning process, as teachers can understand how much a student has understood the concept. With the help of online quizzes, teachers can know the knowledge gap and teach accordingly. It can also work as a revision process, as students can know how much they have learned, and then they can improve their scores by learning more.
78	Prof. Swati C. Narule	Basic Electronics Engineering	Flip Classroom	A flipped classroom is an educational approach where traditional teaching methods are reversed. In this model, students first learn the basics of a subject at home through videos or readings, and then engage in practical, hands-on activities during class time.
79	Prof. Swati C. Narule	Basic Electronics Engineering	ElectroKit	Electronics model making serves as a powerful and innovative educational tool that integrates practical knowledge of controllers, integrated circuits (ICs), and sensors to bring theoretical concepts to life
80	Prof. Tejaswita Kajale	Engineering Mechanics	Quiz	Quiz is considered as an important way for learning mechanics as they help students identify knowledge gaps, understand concept of mechanics, and improve understanding of complex topics as well as to create interest in the topic as well as in the subject
81	Prof. Tejaswita Kajale	Engineering Mechanics	Peer learning/ Flip classroom	Peer Learning for Mechanics is a powerful strategy to improve student understanding by encouraging collaboration. Peer learning is an approach where students learn with and from each other which helps to boost the confidence and also to clear the difficult concept which result in creating the interest in the subject
82	Prof. Vallabh Shinde	Engineering Mathematics	Flipped Classroom with Real-world Applications	Share pre-recorded lectures or NPTEL/YouTube videos on concepts like eigenvalues, diagonalization, etc. Conduct in-class sessions as problem-solving workshops.
83	Prof. Vallabh Shinde	Engineering Mathematics	Quiz	The quiz promoted critical thinking and immediate feedback reinforced learning. It improved problem-solving skills and corrected misconceptions. This approach made assessment interactive and reinforced theoretical understanding through practice.
84	Prof. Anil J. Yadav	Engineering Mechanics	ICT/ White Board	Conduct of TLP with integration of different tools like smart board / LCD projector, internet connectivity, online quiz for interactive learning
85	Prof. Anil J. Yadav	Engineering Mechanics	Flipped Class room	Learning Material Access given to students to attend the class with basic knowledge of topic
86	Prof. Anil J. Yadav	Engineering Mechanics	Nptel Video	Students will be able to access high-quality content delivered by experts in the field, offering a deeper Understanding of academic subjects
87	Prof. Anil J. Yadav	Engineering Mechanics	Think-Pare-Share	The "think-pair-share" method is a cooperative learning strategy commonly used in classrooms to encourage active participation and deeper understanding of a topic
88	Prof. Sujata Jawale	Basic Electronics Engineering	Mentimeter - Quiz and open Forum	The objective of a Mentimeter quiz on BJTs is to assess students' understanding of key concepts like structure, operation modes, and applications of Bipolar Junction Transistors. It helps reinforce critical knowledge while identifying areas where students may need clarification. The quiz creates an interactive and engaging environment, encouraging active participation and critical thinking. By showcasing aggregated responses, it promotes peer learning and collaborative discussions. Additionally, it provides instant feedback to measure learning outcomes and boost students' confidence in applying BJT concepts.
89	Prof. Sujata Jawale	Basic Electronics Engineering	Presentation	The objectives of student presentations and oral assessments on sensors and communication systems are to evaluate their understanding of key concepts, including the principles, types, and applications of sensors and communication systems. These sessions aim to enhance communication skills by encouraging students to explain complex topics clearly to an audience.
90	Prof. Sujata Jawale	Basic Electronics Engineering	ElectroKit	Electronics model making serves as a powerful and innovative educational tool that integrates practical knowledge of controllers, integrated circuits (ICs), and sensors to bring theoretical concepts to life
91	Prof. Sujata Jawale	Basic Electronics Engineering	Nptel lectures and videos	The objective of employing video pedagogy for teaching transistors is to simplify complex concepts and enhance understanding through visual demonstrations and animations
92	Prof. Santosh S Dabhale	Engineering Graphics	Peer Learning	Second Year Student conducted session on Orthographic Projections using for F.E. Computer Div C students as part of the Engineering Graphics subject.
93	Prof. Santosh S Dabhale	Engineering Graphics	Mind Mapping	Mind mapping task given to students and intention is to visually organize the theory of projections contents and its practice in simple way. Mind maps were found effective tool in understanding the orthographic concepts with ease.
94	Prof. Santosh S Dabhale	Engineering Graphics	Peer Learning	Second Year Student conducted session on Orthographic Projections using for F.E. Computer Div C students as part of the Engineering Graphics subject.
95	Prof. Santosh S Dabhale	Engineering Graphics	Activity Based Learning	Students were given question on the topic of development of surfaces from unit 3. They are asked to cut a paper as a solution of the question given to them and asked to paste it on sheet
96	Prof. Vrushali D.Gujar	Engineering Mathematics-I & II	Learning through Mind Map	It helps students understand complex concepts in Mathematics by showing relationships between ideas and types. This technique boosts memory, creativity, and critical thinking skills. Mind mapping makes learning interactive, engaging, and student-centered.
97	Prof. Vrushali D.Gujar	Engineering Mathematics-I & II	Google Quiz	The quiz promoted critical thinking and immediate feedback reinforced learning. This approach made assessment interactive and reinforced theoretical understanding through practice.
98	Prof. Vrushali D.Gujar	Engineering Mathematics II	Peer Learning	Topper in Mathematics I (100/100) Vedika Padwal conducted session on Solid Geometry of Engineering Mathematics II for F.E. Division I students
99	Prof. Vrushali D.Gujar	Engineering Mathematics II	Problem Solving Skills_Open Book Test	Open Book Test conducted to encourage students to analyze, evaluate and apply knowledge of subject. Students focus on applying knowledge rather than memorizing facts.
100	Prof. Vrushali D.Gujar	Engineering Mathematics	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
101	Prof. Vrushali D.Gujar	Design Thinking Lab	Problem Based Learning	Students research, analyze and apply knowledge to solve problems. Students work in teams developing communication and teamwork skills.
102	Prof. Abhijeet A. Aiwale	Basis Electrical Engineering	Learning through Animation	Learning through animation makes complex concepts easier to understand by visualizing them in motion. It enhances engagement and retention by combining visuals with interactive storytelling.
103	Prof. Abhijeet A. Aiwale	Basis Electrical Engineering	Flip Classroom	To Encourage students to review instructional content (videos, readings, etc.) before class at their own pace

104	Prof.Abhijeet A. Aiwale	Basis Electrical Engineering	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
105	Prof.Rupesh Kumar Yadav	Engineering Mathematics-I & II	Learning through Mind Map	It helps students understand complex concepts in Mathematics by showing relationships between ideas and types. This technique boosts memory, creativity, and critical thinking skills. Mind mapping makes learning interactive, engaging, and student-centered.
106	Prof.Rupesh Kumar Yadav	Engineering Mathematics- II	Peer Learning/ Flip Classroom	Peer Learning for Mechanics is a powerful strategy to improve student understanding by encouraging collaboration.Peer learning is an approach where students learn with and from each other
107	Prof.Rupesh Kumar Yadav	Engineering Mathematics I	Group Discussion	Students are more engaged during class time as they are actively participating in discussions, group activities, and problem-solving.
108	Prof.Rupesh Kumar Yadav	Engineering Mathematics I	Seminar / Presentation	Seminar promote critical thinking and analysis of complex topics.Students learns from each other through debates.
109	Prof.Rupesh Kumar Yadav	Engineering Mathematics II	Problem Solving Skills/ Critical Thinking	Open Book Test conducted to encourage students to develop Critical Thinking skills by analyzing and solving complex problems.Students learn to efficiently use resources to find relevant information.
110	Prof.Rupesh Kumar Yadav	Engineering Mathematics-I & II	Google Quiz	The quiz promoted critical thinking and immediate feedback reinforced learning. This approach made assessment interactive and reinforced theoretical understanding through practice.
111	Prof. Amol G. Bade	Professional Communication Skills	Group Discussions & Debates	Students are effectively engaged during class time as they are actively participating in discussions, debates and various group activities
112	Prof. Amol G. Bade	Professional Communication Skills	Language Lab Sessions	This software based method enhance speaking and listening skills of students through Headphones, audio recordings, pronunciation practice etc.
113	Prof. Amol G. Bade	Professional Communication Skills	Reading & Listening Comprehension Exercises	This method of teaching enhances the receptive skills of the students. This is done effectively through the activities like Listen and draw, summarization etc.This helps improve listening comprehension, attention to detail, and the ability to understand and follow directions.
114	Prof. Amol G. Bade	Professional Communication Skills	Peer Learning/ Flip Classroom	A flipped classroom is a teaching approach through which students review instructional content at home, typically through videos, and engage in interactive activities in class. This method promotes active learning and deeper understanding through discussion and problem-solving.
115	Prof. Amol G. Bade	Professional Communication Skills	Story writing and Narrative Techniques/ Public Speaking	This method enhances the logics and critical thinking abilities of students. It also enhances stage daring with speaking skills
116	Prof. Amol G. Bade	Professional Communication Skills	Case Study Method	Case study method in communication helps students to Analyze real-world communication breakdowns or success stories.
117	Prof. Amol G. Bade	Professional Communication Skills	Task-Based Approach	The task-based method focuses on helping students improve their professional writing skills by doing real and meaningful writing tasks.
118	Prof. Amol G. Bade	Indian Knowledge System	Storytelling Pedagogy	Using this method students are told ancient Indian stories, epics, and folk tales (like, Mahabharata, Ramayana) to convey moral, philosophical, and cultural values.
119	Prof. Amol G. Bade	Indian Knowledge System	Experiential Learning	Experiential learning means learning by doing and experiencing. In IKS, this involves visiting historical places, temples to see and understand India's rich heritage. Students learn more deeply when they observe, explore, and reflect on real-life examples of Indian knowledge in fields like architecture, medicine, astronomy, and art and culture. This method makes learning practical, memorable, and meaningful.
120	Prof. Amol G. Bade	Indian Knowledge System	Project-Based Learning (PBL)	Project-Based Learning in IKS means students work on a topic related to Indian knowledge through a project. For example, They can study the milestones in IKS and prepare a group project report based on research. This method helps students learn by exploring, working in teams, and solving real-world problems.
121	Prof. Amol G. Bade	Indian Knowledge System	Group Discussion	In this method, students discuss important topics given by teacher from IKS together in small groups, sharing ideas and learning from each other. This helps improve their communication skills, teamwork, and deeper knowledge of Indian traditions, science, and culture.
122	Prof.Damayanti Ingale	Engineering Chemistry	Quiz	Quiz
123	Prof.Damayanti Ingale	Engineering Chemistry	White Board	White Board
124	Prof.Damayanti Ingale	Engineering Chemistry	Flipped Class room/Case Study	Learning Material Access given to students to attend the class with basic knowledge of topic
125	Prof.Damayanti Ingale	Engineering Chemistry	Nptel Video	Students will be able to access high-quality content delivered by experts in the field, offering a deeper Understanding of academic subjects
126	Prof. Pratiksha Tanpure	Engineering Chemistry	Learning with virtual lab	The digital laboratory session aimed to provide students with a hands-on understanding of key chemistry concepts, despite the remote learning environment. The focus was on enhancing the students' practical skills in chemical experiments, data analysis, and understanding of engineering chemistry principles
127	Prof. Pratiksha Tanpure	Engineering Chemistry	Mentimeter Quiz	Mentimeter quiz is an interactive teaching tool that engages students through real-time questions and instant feedback. Quiz on Water technology is organised with mentimeter. Students quick responses are discussed in class which help students to understand better.
128	Prof. Pratiksha Tanpure	Engineering Chemistry	Flipped Class room	To enable students to explore the fundamental principles and real-world applications of nanotechnology through a flipped learning approach that emphasizes critical thinking, collaborative learning, and research-based inquiry
129	Prof. Pratiksha Tanpure	Engineering Chemistry	A Quiz Competition- Google Form	The quiz competition was conducted as part of an active learning initiative aimed at enhancing student engagement, promoting healthy academic competition, and reinforcing classroom learning through collaborative and critical thinking strategies. This helps students to understand nanomaterials concept.
130	Prof. Seema Darekar	Programming for Problem solving	Presentation	Some important topics were discussed using the presentations.
131	Prof. Seema Darekar	Programming for Problem solving	Quiz	Online quiz of students was conducted to check the understanding and preparation of subject
132	Prof. Seema Darekar	Programming for Problem solving	Flip classroom	Few topics were distributed among the students to analyse and improve their presentation skills and to boost their stage daring and confidence.
133	Prof. Sagar Deshpande	Design Thinking Lab	Connecting to Real life Examples.	Connecting Eng. Graphics with Practical Mechanical engineering. Real life Examples make the subject understanding more comprehensively.
134	Prof. Sagar Deshpande	Design Thinking Lab	Making Students effectively aware about using Drawing instruments.	Making Students effectively aware about using Drawing instruments.
135	Prof. Sagar Deshpande	Design Thinking Lab	Online Group Discussion.	Online group discussion has created very good impact for the subject - Design Thinking.
136	Prof. Sunita Yewale	Basic Electronics Engineering	Presentation	The objectives of student presentations and oral assessments on sensors and communication systems are to evaluate their understanding of key concepts, including the principles, types, and applications of sensors and communication systems. These sessions aim to enhance communication skills by encouraging students to explain complex topics clearly to an audience.
137	Prof. Sunita Yewale	Basic Electronics Engineering	ElectroKit	Electronics model making serves as a powerful and innovative educational tool that integrates practical knowledge of controllers, integrated circuits (ICs), and sensors to bring theoretical concepts to life
138	Prof. Sunita Yewale	Basic Electronics Engineering	Flip Classroom	A flipped classroom is an educational approach where traditional teaching methods are reversed. In this model, students first learn the basics of a subject at home through videos or readings, and then engage in practical, hands-on activities during class time.
139	Prof. Sunita Yewale	Basic Electronics Engineering	Nptel lectures and videos	The objective of employing video pedagogy for teaching transistors is to simplify complex concepts and enhance understanding through visual demonstrations and animations
140	Prof. Anil Rakshe	Engineering Physics	Mentimeter Quiz	Mentimeter quiz is an interactive teaching tool that engages students through real-time questions and instant feedback. It promotes active learning by allowing anonymous participation via smartphones or devices. It fosters collaboration, inclusivity, and immediate assessment of student comprehension.
141	Prof. Anil Rakshe	Engineering Physics	Stretch, Relax, Focus & Learn	This activity mainly focuses on refreshing the students after previous lecture both physically and mentally. the activity includes stretching body, turning neck slowly, rubbing and clapping hands and meditation for couple of minutes. the outcome of this activity is that students find themselves refreshed and ready for learning the content of next session.

142	Prof. Anil Rakshe	Engineering Physics	Mentimeter Quiz	Mentimeter quiz is an interactive teaching tool that engages students through real-time questions and instant feedback. It promotes active learning by allowing anonymous participation via smartphones or devices. It fosters collaboration, inclusivity, and immediate assessment of student comprehension.
143	Prof. Anil Rakshe	Engineering Physics	Peer Learning	Peer Learning is an innovative teaching method where students learn collaboratively by teaching and supporting each other. It encourages active participation, communication, and critical thinking. Learners engage in group discussions, problem-solving, and shared knowledge-building. This approach enhances understanding, confidence, and teamwork skills.
144	Prof. Dipamala Chaudhari	Programming for Problem solving	Google Quiz	Online quizzes offer a dynamic and engaging way to assess understanding, provide instant feedback, and enhance learning experiences.
145	Ashwini Utture	Programming for Problem solving	Presentation	The objectives of student presentations on the concept of functions – their syntax, declaration, and definition in C. Students will explain the idea of modular programming and how breaking problems into functions makes code more organized and reusable. Students will present a small coding project or problem they solved using python. They will explain the problem statement, logic, flowchart/algorithm, and demonstrate the code execution.