Innovative Teaching Learning Techniques

Courseware	The Content and mode of delivery of the curriculum can be addressed through a set of documents, literature and various delivery methods/processors which are collectively named as courseware/coursepack
Online and Blended Learning	Online learning platforms, Massive Open Online Courses (MOOCs), etc. have made education more accessible and flexible. Blended learning, which combines traditional classroom instruction with online elements, offers a personalized and adaptive approach to learning.
Personalized Learning	Adaptive learning systems use data analytics to customize learning paths for individual students. This tailoring of content and pace helps students learn at their own speed, addressing their unique strengths and weaknesses.
Collaborative Learning Platforms	Tools like Google meet and Zoom to facilitate collaborative work, enabling students to collaborate on projects, share documents, and communicate seamlessly. These platforms promote teamwork and communication skills.
Assessment and Feedback Innovations	Formative assessments, peer assessments, and automated grading systems provide more timely and constructive feedback to students, helping them understand their strengths and areas for improvement.
Project-Based Learning	Project-Based Learning encourages students to work on real-world projects, solving complex problems and applying what they've learned in a hands-on manner. It promotes critical thinking, teamwork, and problem-solving skills.
	The subject teachers have prepared subject related e-content and uploaded as slide share, notes, etc. in

Development of e-content	courseware and in their own you-tube channels and developed videos based on syllabus for students.
Discussion classes	Once in a fortnight the students are allowed to talk on any topic they are interested in. This discussion class will motivate the students to speak in spite of their stage fear. The other students of the class will involve in the topic as a discussion.
Student type identification	Type of students were identified before the start of the regular class by giving them a simple class test regarding the topic. Later personalised assignments are given for each student type.
Experimental learning	The students perform theory based experiments in the practical which help for experiential learning of topics in theory.
Online sessions	During the covid pandemic, online sessions are provided with pre-recorded videos narrated by subject handling faculty prior to the class hours & live sessions are provided through the Linways platform with the links of google meet or zoom platforms
Case studies & Quiz	Adapted quiz type test to check their knowledge in fundamentals. Students are asked to get knowledge about various case studies relevant to the subject.
Question & answer bank	Distributed question & answer bank for their reference
Industrial collaborative learning	To get exposure to industry requirements & demands of the society
Problem based learning	PBL is a student-centered approach where students learn through solving real-world problems. It encourages critical thinking, problem-solving skills, and application of knowledge in practical scenarios.
Case-Based Learning	Similar to PBL, case-based learning involves presenting students with real or hypothetical cases and asking them

	to analyze and solve problems based on the information provided.
Interactive Lectures	Combining traditional lectures with interactive elements such as polls, discussions, or Q&A sessions can enhance student engagement and participation.
Inquiry-Based Learning	This method involves posing questions or problems to students and guiding them through the process of discovery. It encourages curiosity, research skills, and independent learning.
Peer Teaching	Students take on the role of teachers, explaining concepts to their peers. This reinforces their understanding of the material and encourages a collaborative learning environment.