



Innovative Teaching methods in Teaching Learning Process:

Sl. No.	Innovative Method	Description	
1	Hybrid model for teaching	Most of the class rooms are equipped with smart boards with audio-visual aided curricular instructions for offering a collaborative learning and team approach platform for problem analysis and its solutions.	
2	Augmentation of knowledge through e-learning	Students are motivated and guided to take up MOOC courses, Coursera and NPTEL courses to enhance their knowledge base about the subject.	
3	Blended Learning	The course handouts are distributed among the students by the course faculty well in advance of the commencement of the class. Faculty shares the study materials among the students via e-mail, MS Teams, websites, Google Classroom and WhatsApp groups.	
4	Academic reinforcement through Project-based Learning	In every semester, students are inspired to carry out a mini project to enhance their practical knowledge where they use community websites like GitHub, Open-source Hardware and Software based on "Project-based Learning Process".	
5	Active Learning- Think-smart and Talk-smart	The students are encouraged to refer to journals and conference proceedings from the digital library facility in the campus for research & seminar presentation to enhance their leadership quality, communication skill and confidence level.	

6	Implementation of Virtual Lab	Virtual labs incorporate various pedagogical techniques that help students to better understand the theoretical information through visual learning, active learning & recall- based learning which allow them to perform experiments and practice their skills in a risk-free and interactive learning environment.	
7	Development of competitive spirit through club activities	Students are encouraged and motivated to participate in various club activities to make them skilled and escalate their competitive spirit by involving them in different state & National level events such as Smart India Hackathon, Hackerrank, Leetcode etc.	
8	Technology Assisted Learning	Experts from industry and reputed institutes have been invited to enhance employability of our students, where students are exposed to the latest developments in industry, future scenario of the industry and the cutting- edge technologies that are being applied in the industry.	
9	Train the trainer	Faculty Development Programs, Short Term Training Programs, Workshops and Seminars are conducted in the Department on a regular basis to enhance the knowledge of Faculties in advanced Cutting-Edge Technology.	
10	Net Zero and Sustainability	A separate Centre For Sustainability Research (CSR) is established to educate students on the importance of Net Zero and sustainable development goals (SDG) of the United Nations in the future business practices. Ensuring diversity, equity and inclusion in the student community and faculty.	

11	Experiential Learning	Students are encouraged to do micro-projects by inviting Alumni to interact and involve them for experiential learning. Alumni showcase the real time applications on different domain of cutting-edge technologies to the students which help them to work as a professional engineer in multidisciplinary environment.	
12	Study-Buddy System	Apart from Mentor/ mentee relationships, there is a system of study-buddy. In both these systems, the hidden complexity present in the lives of students comes out which gets solved through peers and mentors.	
13	Personalized Learning	Each student gets a learning platform that aims to customize the teaching with their strengths, needs, skills, and interests. Students are guided by their mentors to achieve their goals by self-assessing themselves and effectively working on their strength and weakness.	