

**Sardar Patel Institute of Technology**  
**Electronics and Telecommunication Department**  
**Academic Year : 2020-21**  
**Innovative Teaching Learning Practices**

Sr No.	Name	Methods	Outcomes	Outcome measuring mechanism
1	Dr. Y.S. Rao	Mobile Lab, Virtual Lab, Hardware simulation Lab techniques	Every student is able to implement hardware specific programs and applications	Demonstrations and participations in the events
2	Dr. R.R. Sawant	FE BET: (a) Redrafting of BEE Syllabus (b) Setting up an Online LAB Course for BEE (c) Recorded Video Lab Tutorials and Video lectures based on SEQUEL/SequelApp simulation (available at IIT Bombay Website) (d) Tried to innovate on setting ESE Papers, assignments and Quizes	Students interest in the subject increased; Understanding of topics gas improved	Improved Results
3	D.D. Ambawade			
4	Dr. Reena Sonkusare	Batchwise Class Assignment	Engaged in learning and Team effort	Assignment Evaluation, Flipped Classroom
		Mini Project	Engaged in knowing the recent developments and research aspects.	Writing a paper and publishing it in conference and Journal
		Unique experiment data set	No copying	Viva, Authentic experimentation and Evaluation
5	Manish M Parmar	Role Play during the class	Increased participation with peer interaction	Participation in the events
6	Dr Sukanya Kulkarni	Moodle based assessment & testmoz and programming based test for experiments	Conceptual knowledge and understanding and time management skills	MCQ Quizzes and programming
		Miniproject	Lifelong learning, technical writing and presentation skills	paper writing in IEEE format and demonstration of project
		Unique experiment data set for experiments	promote self learning	Viva, and demonstration of experiments
		Research paper reading activity	Life long learning and writing skills	Submit answers to a given questionnaire
7	Dr. Sujata Kulkarni	Batchwise quizzes on flexiquiz platform	Self confidence and time management using different digital platform	Quiz evaluation, Flipped classroom
		Technical Paper presentation	Enhance reading and analysing skills, Team work and aware the applications based on recent trends in network domain	Evaluation through presentation with reference paper

8	Anand Mane	Hardware mini projects and presentation.	Enhance designing skills and presentation skills	Viva and demonstration of projects
9	Vijaya Kamble	Batchwise different problems, Individual lab Submissions	Understanding of basics & practical demonstration , representation skills	Viva, Individual lab evaluation
		Individual Miniproject for M.Tech, For B.Tech group of 3 students in project	Technical problem solving ,programming , writing and presentation skills	IEEE paper preparation , demonstration of project through oral presentation
10	Milind Paraye	Case study		Viva and evaluation
		Different values of parameters in problem statement for individual		
11	Dr. Amol Deshpande	Collaboration of two courses	Students learned the skill of Paper writing and there are 3 Paper published	3 Paper acceptance in IEEE conference out of 18 papers
12	Pallavi Malame	1) Crosswords	Engaged Learning	Weekly Feedback
		2) Unscramble words	Engaged Learning	Weekly Feedback
		3) Microwave Snakes and Ladder	Engaged Learning/ Team effort	Weekly Feedback
		4) Mind/Memory/Concept Map Making	Simplification of concept+ Note making skills	Rubric Evaluation
		5) Weekly feedback System	Action Report/Transparency	Google form/Google Doc
		6) Unique data set to all student	No copying	Authentic Experimentation and evaluation
		7) DRDO Guest Lecture	Exposure to industrial application	Quiz+ feedback
		8) Discussion Forum/Online	Intellectual debate and discussion	Rubric evaluation
		9) IITK Virtual Lab	Easy Experimentation on online platform	Online
		10) Amrita Edu Virtual Lab	Easy Experimentation on online platform	Online
		11) Phet Colorado Lab Simulation	Easy Experimentation on online platform	Online
		12) Unwinding Session	Stress Buster	Engagement and happiness of students
13	Sneha Weakey	1) Group Discussion	Engaged Learning	Engagement of students
		2) Find the word	Engaged Learning	Engagement of students
		3) Unique data set to all student	No copying	Authentic Experimentation and evaluation
		4) IIT Bombay Virtual Lab Visit	Awareness of Lab Processes	Feedback
		5) IITK Virtual Lab	Easy Experimentation on online platform	Online
		6) Amrita Edu Virtual Lab	Easy Experimentation on online platform	Online
		7) Batchwise Class Assignment	Engaged in learning and Team effort	Assignment Evaluation, Flipped Classroom
		8) Mini Project	Engaged in knowing the recent developments and research aspects.	Writing a paper and publishing it in conference and Journal

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