DEPARTMENT OF ECE

Innovations in Teaching and Learning

2021-2022

S.NO.	Faculty Name	Course	Topic	Innovative methods adopted	Goals	Preparation	Significance of Result	Availability of review and critique	Reproducibility and Reusability
1	Mr.G.Someswara Rao	EDC	Colpitts Oscillator	Socio Constructivist Perspective	Knowledge Construction and Social Interaction	Understanding how knowledge is built through social interaction, active engagement	Students cognitive, social, and emotional development.	Report will be availed for the references	Social and Communication Skills
2	A.Jaya Lakshmi	Signals and systems	Types of Signals	Poster presentation	Encourage constructive feedback and critiques	Assigned readings to reinforce understanding.	To Track Progress of each student	Report will be availed for the references	Reliable Data for Evaluation of students,Question Banks
3	Mr. CH. Sandeep	VLSI	Sequential Circuit Design	Think pair share	To Promote Active Learning	Students should read, listen to, or reflect on the question or topic being presented	Foster deeper understanding, promote active participation, and enhance critical thinking	Report will be availed for the references	Adaptable Methodology,Structured Framework

4	E.Kavitha	LDICA	PLL	Never miss a Class	To Prevent Knowledge Gaps	Create Long-Term and Short-Term Goals	Consistent attendance in class can have a profound impact on a student's academic performance, personal growth, and long-term success	Report will be availed for the references	Standardized Engagement Activities,Attendance Tracking Tools,rewards and certificates
5	Dr.K.Vasanth	Signals and systems	Z-transform	Socio Constructivist Perspective	Knowledge Construction and Social Interaction	Understanding how knowledge is built through social interaction, active engagement	Students cognitive, social, and emotional development.	Report will be availed for the references	Social and Communication Skills
6	Dr.S.Tulasi Prasad	LDICA	ADC	Socio Constructivist Perspective	Knowledge Construction and Social Interaction	Understanding how knowledge is built through social interaction, active engagement	Students cognitive, social, and emotional development.	Report will be availed for the references	Social and Communication Skills
7	Mr.G.Parameswar	Computer Architecture	RTL	Problem Based Learning	To involve student in Self-Directed Learning	Students should read, listen to, or reflect on the question or topic being presented	Foster deeper understanding, promote active participation, and enhance critical thinking	Report will be availed for the references	Adaptable,consistency in Learning Outcomes,successful PBL projects can be shared