



VIDYA JYOTHI
INSTITUTE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION

DEPARTMENT OF ECE

Innovations in Teaching and Learning

2022-2023

S.NO .	Faculty Name	Course	Topic	Innovative methods adopted	Goals	Preparation	Significance of Result	Availability of review and critique	Reproducibility and Reusability
1	E.Kavitha	EDC	Colpitt's Osillator	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
2	Dr.Krishnaiah	VLSI	MOS inverter	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

3	Mrs. C.H.S.N Sireesha Devi	EMW	Faraday's law	Short Presentatio n	To Develop Presentati on Skills	Purpose, organizing content, practicing, and preparing for delivery	Communicatio n, time management, critical thinking, confidence, and professionalis m	Report will be availed for the reference s	Universal Topics,Evaluation Rubrics
4	Dr.K.Vasanth	Signals and systems	Fourier Series	Socio Constructivi st Perspective	Knowledge Constructi on and Social Interaction	Understandin g how knowledge is built through social interaction, active engagement	Students cognitive, social, and emotional development.	Report will be availed for the reference s	Social and Communication Skills
5	Dr.S.Tulasi Prasad	EDC	Diode Formation	Socio Constructivi st Perspective	Knowledge Constructi on and Social Interaction	Understandin g how knowledge is built through social interaction, active engagement	Students cognitive, social, and emotional development.	Report will be availed for the reference s	Social and Communication Skills
6	Mr.G.Parameswar	Computer Architecture	Memory organizati on	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 reference s	Adaptable,consistenc y in Learning Outcomes,successful PBL projects can be shared

7	Mr. Subhanvali Shaik	Microwave Engineering	Impedance matching	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 available for the references	Standardized Engagement Activities, Attendance Tracking Tools, rewards and certificates
8	Ms. Rehana Farheen	Embedded system Design	Serial Peripheral interface and IIC	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 available for the references	Social and Communication Skills
9	A.Jaya Lakshmi	DSP	Fast Fourier Transform	Problem Based Learning	To involve student in Self-Directed Learning	Students Identify the driving question or challenge that the project will address.	Ability to demonstrate real-world application	Report will be available for the references	Adaptable, consistency in Learning Outcomes, successful PBL projects can be shared