VIDYA JYOTHI
INSTITUTE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION

DEPARTMENT OF ECE

Innovations in Teaching and Learning

2023-2024

S.NO	Faculty Name	Course	Topic	Innovative methods adopted	Goals	Preparation	Significance of Result	Availability of review and critique	Reproducibility and Reusability
1	A.Jaya Lakshmi	Signals and systems	Fourier transform	Project 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 availed for the references	Adaptable,consistency in Learning Outcomes,successful PBL projects can be shared
2	Mr.Md.Akram Ahmed	Antenna Propagation	Antenna Parameters	Quiz in Google Form	formative (ongoing) and summative assessment	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	Dr.Krishnaiah	VLSI	VLSI Design process	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	Analog circuits	Transistor Hybrid model	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	Mr.G.Sreenivasa Rao	Linear integrated circuits	555 Timer	Short Presentation	To Develop Presentation Skills	the purpose, organizing content, practicing, and preparing for delivery	communication, time management, critical thinking, confidence, and professionalism	Report will be availed for the references	Universal Topics,Evaluation Rubrics

6	Mr.Ch.Sandeep	VLSI	Design of ASIC	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 Skill
7	Mr.G.Parameswar	Computer Architecture	Instruction codes	Project 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
8	Mr.Subhanvali shaik	Network Analysis and Transmission lines	Loading,types of loading	Short Presentation	Develop Presentation Skills	the purpose, organizing content, practicing, and preparing for delivery	communication, time management, critical thinking, confidence, and professionalism	Report will be availed for the references	Universal Topics,Evaluation Rubrics
9	J.Sudha Rani	Electromagnetic waves	Reflection coefficient	Project 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
10	Mr.Satheesh.A	Linear integrated circuits	RC Phase shift oscillator	Short Presentation	Develop Presentation Skills	the purpose, organizing content, practicing, and preparing for delivery	communication, time management, critical thinking, confidence, and professionalism	Report will be availed for the references	Universal Topics,Evaluation Rubrics
11	Ms.S.Santhi Priya	Introduction to Matlab	Signal flow graph	Quiz by using Google form and Google Spread Sheet	formative (ongoing) and summative assessment	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

Faculty Incharge   **HOD/ECE**