

DEPARTMENT OF ECE

Innovations in Teaching and Learning

2022-2023

S.NO	Faculty Name	Course	Topic	Innovative methods adopted	Goals	Preparation	Significance of Result	Availabili ty 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 reference s	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 reference s	Adaptable Methodology,Structu red Framework

3	Mrs. C.H.S.N	EMW	Faraday's	Short	To Develop	Burnoso	Communicatio	Report	Universal
3	Sireesha Devi	CIVIVV		Presentatio	Presentati	Purpose,		will be	
	Sireesiia Devi		law		on Skills	organizing	n, time	availed	Topics, Evaluation Rubrics
				n	on Skills	content,	management,		Rubrics
						practicing,	critical	for the	
						and	thinking,	reference	
						preparing for	confidence,	S	
						delivery	and		
							professionalis		
	_						m		
4	Dr.K.Vasanth	Signals and	Fourier	Socio	Knowledge	Understandin	Students	Report	Social and
		systems	Series	Constructivi	Constructi	g how	cognitive,	will be	Communication Skills
				st	on and	knowledge is	social, and	availed	
				Perspective	Social	built through	emotional	for the	
					Interaction	social	development.	reference	
						interaction,		S	
						active			
						engagement			
5	Dr.S.Tulasi Prasad	EDC	Diode	Socio	Knowledge	Understandin	Students	Report	Social and
			Formation	Constructivi	Constructi	g how	cognitive,	will be	Communication Skills
				st	on and	knowledge is	social, and	availed	
				Perspective	Social	built through	emotional	for the	
					Interaction	social	development.	reference	
						interaction,		S	
						active			
						engagement			
6	Mr.G.Parameswar	Computer	Memory	Problem	To involve	Students	Foster deeper	Report	Adaptable,consistenc
		Architecture	organizati	Based	student in	should read,	understanding	will be	y in Learning
			on	Learning	Self-	listen to, or	, promote	availed	Outcomes, successful
					Directed	reflect on the	active	for the	PBL projects can be
					Learning	question or	participation,	reference	shared
						topic being	and enhance	S	
						presented	critical		
							thinking		

7	Mr. Subhanvali Shaik	Microwave Engineering	Impedanc e 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,	Report will be availed for the reference s	Standardized Engagement Activities,Attendance Tracking Tools,rewards and certificates
8	Ms. Rehana Farheen	Embedded system Design	Serial Perpheral interface and IIC	Socio Constructivi st Perspective	Knowledge Constructi on and Social Interaction	Understandin g how knowledge is built through social interaction, active	personal growth, and long-term success Students cognitive, social, and emotional development.	Report will be availed for the reference s	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 availed for the reference s	Adaptable,consistenc y in Learning Outcomes,successful PBL projects can be shared