



RENGANAYAGI VARATHARAJ COLLEGE OF ENGINEERING

Salvarpatti, Sattur-Sivakasi Main Road, Sivakasi – 626 005.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



ACADEMIC YEAR 2025 – 2026 EVEN SEMESTER

INNOVATIVE TEACHING METHODS

III – YEAR

BATCH: 2023-2027

S.NO.	YEAR/SEMESTER	COURSE CODE & TITLE	UNIT	TOPIC	INNOVATIVE TEACHING METHOD USED
1	III/VI	CCS352 – MULTIMEDIA AND ANIMATION	1	Distributed multimedia systems	Flipped class room
				Storage, retrieval, processing, computing	Mind Mapping
			2	Digital audio and Video file formats	Flipped class room
				Color in image and video	ZA Approach
			3	3D Modeling and Animation Tools, Image Editing Tools	Mind Mapping
				No-Code and Low-Code Multimedia Authoring Tools	Flipped class room
			4	Animation techniques: Keyframe, Morphing, Inverse Kinematics	Mind Mapping
				Vector animation, stop motion, motion graphics	Flipped class room
			5	Smart phones, surveillance, Analytics	Flipped class room
				Online social networking, multimedia ontology	Think Pair Share

S.NO.	YEAR/SEMESTER	COURSE CODE & TITLE	UNIT	TOPIC	INNOVATIVE TEACHING METHOD USED
2		CCS373 – VISUAL EFFECTS	1	Principles of animation	Mind Mapping
				Full Animation, Limited Animation	Flipped class room
			2	Physical REALism, Function Realisjm	Flipped class room
				3D Modeling and REnDering Color-color spaces	Z-A Approach
			3	Special Effects-Props	Mind Mapping
				Schufftan Process	Flipped class room
			4	Rigging,Front Projection	Think Pair Share
				Ground Plane Determination 3D Match Moving	Flipped class room
			5	Background projection	Reciprocal Teaching
				Multiple Exposure	Flipped class room
3		CCW332 – DIGITAL MARKETING	1	Digital Marketing Strategy	Flipped Classroom
				Content Marketing	Z-A Approach
			2	SEO success factors	Flipped Classroom
				On-Page Techniques - Off-Page Techniques	Mind Mapping
			3	Mobile Inventory/ channels	Think Pair Share
				Profiling and targeting	Flipped Classroom
4	Social Media Channels	Flipped Classroom			

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4			5	Social media campaign	Z-A Approach	
				Social Media, Web Analytics	Z-A Approach	
				Recent trends in Digital marketing	Flipped Classroom	
		CS3691 – EMBEDDED SYSTEMS AND IOT		1	Instruction Set and Programming	Flipped class room
					Timers and Serial Port	Mind Mapping
				2	Context Switching	Flipped class room
					Priority Based Scheduling Policies.	Think Pair Share
				3	Integration of Sensors with Arduino.	Flipped Classroom
					Integration of Actuators with Arduino	Z-A Approach
				4	IoT Communication Models and APIs	Think Pair Share
IoT Communication Protocols	Flipped class room					
5	Development of IoT Applications			Z-A approach		
	Home Automation			Mind Mapping		
5	OEE351 – RENEWABLE ENERGY SYSTEM	1	Renewable energy resources in India	Flipped class room		
			Future potential renewable energy in power production	Mind mapping		

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			2	Efficiency and performance of collectors	Flipped class room
				Recent advances in PV	Mind mapping
			3	Wind energy Conversion system	Flipped class room
				Wind energy Conversion	Think Pair Share
			4	Principle of biomass conversion technologies	Flipped class room
				Types of Biogas plant	Mind mapping
			5	OTEC	Flipped class room
				Tidal and waves energy	Think Pair Share

Prepared By

Approved By
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