Course	UCA20D07J	Course	Multimedia Design Principles and Applications	Course	0	Disciplina Specific Floative Course	L	T	P	С
Code	0CA20D073	Name	Multimedia Design Principles and Applications	Category	D	Discipline Specific Elective Course	4	0	4	6
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Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	Computer Applicati	ions	Data Book / Codes/Standards	Nil	

Course Learning Rationale (CLR): The p	ourpose of learning this course is to:	Le	arni	ng					Pro	gran	n Le	arnir	ıg O	utco	mes	(PL	0)		
CLR-1: Enable graduates to excel in multim	nedia technology by adapting to rapid advances in newer	1	2	3	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14 1
CLR-2: Provide graduates a proper foundate	ion of multimedia fundamentals to solve real world problems.				-10			SS			a)								163
CLR-3: Teach the use of visually rich and dy	ynamic graphics elements to enhance web pages and sites.	(F)	(9)	0		0	(0)	ij.			g								
CLR-4 : Provide a basic knowledge about primage and videos	rocessing and editing of multimedia content with more emphasis on	(Bloom)	ency (%)	Attainment (%)	N	Fundamental Knowledge	concepts	with Related Disciplin	ledge	Specialization	Knowledge		t Data	S	Skills	Skills		8	Behavior
CLR-5: Train graduates with good scientific,	, multimedia technologies and solve real time problems	king	ficie	i.E.		Ž	0	ated	MOC	ializ	100000	deling	pre	Skills		5	S	18	al Beha
CLR-6: Allow students to o projects and ap	ply the multimedia principles of web design to their own sites	Thinking	Pro	Atte		Ital	n of	Sels	조	bec	Utilize	ode	Interpret	ative	Solving	Satio	Skills		
		of T	ected	9		mer	e e	#	lura	in S	to	J Mo	ze, l	gati	E	Ē	ca	Skills	ssior
Course Learning Outcomes (CLO): At the	e end of this course, learners will be able to:	Level	Expect	Expected		Fundar	Application	Link wi	Procedural Knowledge	Skills ii	Ability	Skills ii	Analyz	Investiga	Problem	Communication	Analytical	ICT Sk	Professional
CLO-1: Formulate a working definition of int	teractive multimedia	3	80	70	*	L	H	-	Н	L	-	-	-	L	L	-	Н	-	- ·
CLO-2: Demonstrate the use of animation, of	digitized sound, video control, and scanned images	3	85	75		M	Н	L	М	L	2	-	-	М	L	-	Н	-	
CLO-3: Evaluate the role of multimedia tech	nnologies in the online and web environment;	3	75	70	-	M	Н	М	Н	L	-	-	-	М	L	-	Н	-	
CLO-4: Define the characteristics of each m	nedia type and describe their application	3	85	80		M	H	М	Н	L	7	-		М	L	-	Н	-	
CLO-5: Create and design multimedia proje	ects	3	85	75	H	Н	Н	М	Н	L	-	-	-	М	L	-	Н	- I	- -
CLO-6: Do graphics design and animation		3	80	70		L	Н	-	Н	1	_	-	-	L	L		Н	-	- 0

100000000000000000000000000000000000000	ration lour)	24	24	24	24	24
	SLO-1	liveed to learn design	Introduction to basic visual elements	Information to design	Introduction to Learning perspective drawing	Introduction to visual effects
S-1	SLO-2	Understand information architecture (IA), industrial design (ID), visual (or graphic) design, user experience design,	Understand the utility of visual elements	Understand specific audiences in specific situations to meet defined objectives.	Understand the horizon lines on paper	Understand the visual effects and usage
	SLO-1	Human Factors	Line shape, colour, texture, layout	interaction and sensorial design	Drawing for Animation	when and where to use visual effects
S-2	SLO-2	Understand the products conform to the limitations of the human body, both physically and psychologically	Characteristics of visual elements	Understand the the sensory perceptions of a product,	Understand the creatures, things to draw	special effects used to give depth to the visual representation of the story
0.3	SLO-1	fundamentals of Human perception	motion, framing, surfaces	guidelines for user interface design	Gesture Drawing	examples of simple visual effects
S-3	SLO-2	Perception of design	Concepts of motion, framing and	Understand the visibility, user	Study about to capturing the	Unity cube, morphing face

			surfaces		essence of the pose and line of action through quick sketching	
	SLO-1	Human skill level and behavior	visual hierarchy	dialogue design	Action Drawing,	fade-in/ fade-out, motion blur
S-4	SLO-2	Understating the human skill ability	Understand the arrangement of presentation	Tungerstang the analytical approach	Human actions, sketch based actions	Learning to apply visual effect
S 5-8		Introduction to Design tool: Figma-UI and Desktop	Figma components	Working with frames	Layer blend in figma	Design a story board
S-9	SLO-1	dialogues and tasks	typography Elements of composition ,Visual rhetoric		Line of action	Application Examples/ Case studies
0-3	SLO-2	Performance of task	Understand the visual structures	I Fyamine the lisability of the broduct	Understand the direction and motion of a characters body	Apply to grass wind, butterflies
0.40		Learning and Learning Modes	organizing information	Different Android applications	Dynamic Poses	Need for design
S-10	SLO-2	Ability learn the learning models	Leaning the physical or conceptual organization of things	Understand the consistency of the platform	Creation of the posture in movement	Understand the importance for design for multimedia
S-11	SLO-1	Cognitive Domain Learning	factors designers consider when creating illustration and visual design	Information Architecture	Action Sketches (Key Poses)	Design Specifics
	SLO-2	Understand the domain learning	Understanding the geometry of the object		Action related sketch to create character	Learning to apply respective task
		Psychomotor Domain Learning	designing for screen	Definitions of Story	2D Design concepts	Scripts, Storyboards
S-12	SLO-2	Understand the psychomotor learning	Learn the graphical user interface	Understand the emotions of the character and plot	Understand the 2Ddesign principles	Learning to create story board
S 13- 16	SLO-1 SLO-2	Frame Vs Slicing tool	Figma Constrains	Working with shapes	Blur effects in figma	Design a mood board
C 17		Multimedia Modeling	Understand spatial relationships in the interface	Flowchart, scripts	Composition.	Advantages and Effectiveness of Story boards
S-17	1	Multimedia modeling concepts	symbols and semiotics in the interface	Understand the algorithm development and flow charts	Learning of composition of animation	Explore the created characters
C 10	SLU-1	Multimedia Educational Software Modeling	Visual design methodology: Clarity	Story board.	Principles of Animation	Flowcharts, Writing a script, Screen Layout Designs
S-18	SLO-2	Understand the educational software modeling	Understand the design methodology	Understand the ideas through visual stories	Understand the principles of animation	Developing algorithm
	SLO-1	System Quality	Design consistency		Process of 2D Animation film making	Human Computer Interaction Different Android applications
S-19	SLO-2	Understand the system quality and quality measures	Understand to make the effective design	Understand the collage of information, capture a feeling, theme, or design	Editing & Animators	Develop the HCI
	SLO-1	Elements of user Interface	Appearance, visual coding layout principles	Interactive flowchart and storyboard	Input Sound- Sound Effects	Hypermedia & navigation
S-20	1	Usage of User interface	Understand the visual coding layout principles	Examples and case studies	SoundRecording. Designing, Developing Characters (Realistic, Exaggerated & Stylized)	Understand the cognitive style, spatial orientation and computer expertise on hypertext navigation patterns

S SLO-1 21- 24 SLO-2		dding and formatting text	Creating prototypes	Design a graphics and Animation
Learning Resources	 David Benyon, "Designing Interactive Systems: People, Activities and Technologies" Kevin Mullet and Darrell Sano, "Designing Visual Interfaces: Con Oriented Techniques" Andy Chong, "Basics Animation: Digital Animation" 	mmunication 5. Ellen Lup Designers	Tufte, "Envisioning Information" oton, "Thinking with Type: A Prime s, Writers, Editors, & Students" er, Stephen Pentak, "Design Basics"	er for Designers: A Critical Guide for

Learning	Assessment									492	
			-	Continuo	us Learning Ass	essment (50%	weightage)			Final Evamination	(E00/ weightege)
Level	Bloom's Level of Thinking	CLA -	1 (10%)	CLA -	2 (10%)	CLA -	3 (20%)	CLA -	4 (10%)#	Final Examination	(50% weightage)
	Lever or Tilliking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	20%	20%	15%	15%	15%	15%	15%	15%	15%	15%
Level	Understand	2076	20%	13%	1370	1376	13 76	13%	1370	1576	1376
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Level 2	Analyze	20%	20%	20%	20%	20%	20%	20%	20%	20%	2076
Laval 2	Evaluate	100/	100/	150/	150/	150/	150/	150/	150/	150/	150/
Level 3	Create	10%	10%	15%	15%	15%	15%	15%	15%	15%	15%

CLA - 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

100 %

Create

Total

100 %

	Internal Experts
Mr.G.Muruganandam, Group Project Manager, HCL Technologies, Chennai Dr.S.Gopinathan, Professor, University of Madras, Chennai	Dr.B.Rebecca Jeyavadhanam, SRMIST
Mr.M. Hemachandar, Tech Lead, Wipro Limited, Chennai	Mr. Venkata Subramanian, SRM IST

100 %

100 %

100 %