

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Diploma in Vocation (D.Voc), 3rd Semester Branch: Software Development Subject Name: Web Applications Subject Code: 1230202 With effective from academic year 2018-19

Teaching Scheme		Credits	Examination Marks					
				Theory		Tutorial/ Practical		Total
L	P	OJT	С	University exams (ESE)	Progressive Assessment (PA)	External Practical /viva Exam(ESE)	Internal evaluation Practical /viva Exam(PA)	Marks
3	-	-	3	50	-	-	-	50

L- Lectures; P- Practical; OJT- On Job Training; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

Course Content:

Sr. No.	Content	Hours		
1.	Movie Editing Tools.			
	Familiarization of interface components.			
	Importing pictures.			
	Importing Audio and Video Files. Importing Audio and Video Files. Importing Audio and Video Files. Importing Audio and Video Files.			
	Splitting and Joining Movie Clips. All: Title			
	Adding Titles and publishing.			
2.	Customizing and Embedding Multimedia components in Web Pages.	09		
	 Compatible Multimedia file formats for Web Pages. 			
	Embedding Audio file.			
	Embedding Video file.			
	Embedding Flash file.			
3.	Web Scripting – Java Script.			
	Java Script review.			
	• Functions – user defined.			
	String Object.			
	Math Object.			
	Array Object.			
	• Events.			
	Case Studies			
4.	Work Integrated Learning IT – WA-II.	12		
	Advanced Features of Web Design.			
	 Code view, Add-ins / Snippets and Page Transitions. 			
	Dynamic Web templates.			
	SEO - Search Engine Optimization.			
	Forms - Advanced.			
	 Publishing Web pages or websites-I. 			
	 Publishing Web pages or websites-II. 			
	Authoring tools.			
	CSS templates.			
	Total Hours:	39		



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Suggested Specification table with Marks (Theory):

Distribu	Distribution of Theory Marks								
R Level	U Level	A Level	N Level	E Level					
5	20	15	5	5					

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate and above Levels (Bloom's Taxonomy)

1. Reference Book(s):

- 1. Internet & Web Development, Soma Das Gupta, Khanna Publishing House
- 2. Web Designing and Development, Tanweer Alam, Khanna Publishing House