

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, GUJARAT****COURSE CURRICULUM****Course Title: Static Web Page Designing  
(Code: 3320703)**

Diploma Programmes in which this course is offered	Semester in which offered
Computer Engineering,	Second Semester

**1. RATIONALE**

The students of this course are able to analyze, design, implement and test the appropriate lay out which translates your business logic into the desired application.

**2. LIST OF COMPETENCIES**

The course content should be taught and implemented with the aim to develop different types of skills leading to the achievement of the following competencies.

- Attain a beginning understanding of the Web publishing process.
- Organize a sample Web site.
- Learn how to evaluate a Web site.

**3. TEACHING AND EXAMINATION SCHEME**

Teaching Scheme (In Hours)			Total Credits (L+T+P)	Examination Scheme				Total Marks
L	T	P		Theory Marks		Practical Marks		
L	T	P	C	ESE	PA	ESE	PA	100
0	0	4	4	00	00	40	60	

**Legends:** L-Lecture; T ó Tutorial/Teacher Guided Student Activity; P - Practical; C ó Credit;; ESE - End Semester Examination; PA - Progressive Assessment.

#### 4. DETAILED COURSE CONTENTS

Unit	Major Learning Outcomes	Topics and Sub-topics
<b>Unit – I</b> Site development essentials	1a. Understand website basics and overall website development, usability and accessibility features	1.1 Overview of Web Design Concepts 1.2 Web Development Teams 1.3 Web Project Management Fundamentals 1.4 Web Site Development Process 1.5 Web Page Layout and Elements 1.6 Web Site Usability and Accessibility 1.7 Browsers 1.8 Navigation Concepts 1.9 Web Graphics 1.10 Multimedia and the Web
<b>Unit– II</b> HTML	2a. Able to design a static website using various HTML features	2.1 HTML and the Evolution of Markup languages 2.2 Hyperlinks 2.3 Tables 2.4 Web Forms 2.5 Image Techniques 2.6 Frames 2.7 GUI HTML Editors 2.8 Site Content and Metadata
<b>Unit– III</b> Dreamweaver Basics	3a. Able to develop static website using a development tools	3.1 The Dreamweaver Interface 3.2 Setting Up a Site in Dreamweaver 3.3 FTP with Dreamweaver 3.4 Creating Links 3.5 Inserting Text 3.6 Inserting Image
<b>Unit– IV</b> Cascading Style Sheets	4a. Design a uniform formatted website by implementing CSS	4.1 What are Cascading Style Sheets 4.2 Using Cascading Style Sheets to Style Your Page 4.3 Creating CSS rules in Dreamweaver 4.4 Formatting Text with CSS 4.5 Using CSS Selectors 4.6 Embedding Style Sheets 4.7 Attaching External Style Sheets
<b>Unit– V</b> Using CSS with Tables	5a. Design a website by implementing CSS with tables	5.1 Tables 5.2 Inserting and Styling Tables 5.3 Importing Table Data 5.4 Styling Tables with CSS 5.5 Sorting Data in Tables
<b>Unit– VI</b> Multimedia with Adobe Flash	6a. Develop an animated website using flash	6.1 Timeline, Layers, Symbols and Buttons 6.2 Tweens 6.3 Movie Clips 6.4 Action Script, Masks & Practical Uses

**5. SUGGESTED SPECIFICATION TABLE WITH HOURS & MARKS (THEORY)****Not Applicable****6. SUGGESTED LIST OF EXPERIMENTS**

The experiments should be properly designed and implemented with an attempt to develop different types of skills leading to the achievement of various competencies.

S. No.	Unit No.	Experiment	Hrs.
1	1	Analyze 5 website on terms of usability and accessibility terms	4
2	2	Develop basic HTML pages with Tables and Hyperlinks.	4
3	2	Develop HTML pages with Frames	4
4	3	Explain various features of Dreamweaver interface.	4
5	3	Setup basic sites with Dreamweaver.	6
6	4	Develop various pages using Cascading Style Sheets to Style Your Page.	4
7	4	Develop various pages using CSS Selectors and embedded Style sheets.	4
8	5	Styling Tables with help of CSS.	4
9	6	Study of Timeline, Layers, Symbols and Buttons in regards to flash.	8
10	6	Develop movie clips using Flash.	4
11	6	Explain use of Actionscripts and Masks.	2

**7. SUGGESTED LIST OF PROPOSED STUDENT ACTIVITIES**

Following is the list of proposed student activities:

Identify various aspects of Web development by analyzing various sites online.  
Prepare a website using various templates available.

**8. SUGGESTED LEARNING RESOURCES****A. List of Books**

S.No.	Author	Title of Books	Publication
1	Duckett, Jon	Beginning Web Programming with HTML, XHTML, and CSS	Wrox,2008
2	Powell, Thomas A.	Html & XHTML: The Complete Reference	Mc GrawHill,2003
3	Shupe, Rich	Learning Flash CS4 Professional	Oreilly,2009
4	Bruce, Betsy	Sams Teach Yourself Macromedia Dreamweaver 4 in 24 Hours	SAMS

**B. List of Major Equipment/ Instrument**

Computer System with latest configuration and memory

**C. List of Software/Learning Websites**

Adobe Dreamweaver

Adobe Flash

<http://www.w3schools.com>

<http://www.html.net/>

**9. COURSE CURRICULUM DEVELOPMENT COMMITTEE**

1. K. N. Raval    Head    Computer Engg. Dept.    RCTI , Ahmedabad
2. S. D. Shah    Lect.    Computer Engg. Dept.    RCTI, Ahmedabad
3. R.K.Vaghela    Lect.    Computer Engg. Dept.    RCTI, Ahmedabad