

GUJARAT TECHNOLOGICAL UNIVERSITY

MASTERS IN COMPUTER APPLICATION (Integrated MCA)

Year – I (Semester – I) (W.E.F. JULY 2013)

Subject Name: Fundamental of Web (FoW) (4410602)

Course Description: HTML is the markup language that every web developer uses in order to structure and present content in the Internet. HTML5 is the standard that is being shaped and developed currently. It extends and improves the last HTML4 standard and takes it to the next level with support multimedia, communication and more. This course provides the knowledge and skills for developing web applications with HTML5. Students are required to have the following skills: Ability to construct a Web application.

1. Objectives:

1. Students will learn about the opportunities, challenges and techniques for developing websites built with the new resources provided by HTML5.
2. Students will learn about the evolving principles and standards for constructing accessible websites; will understand different classes of disabilities and the available techniques for rendering websites useful to those with disabilities.

2. Prerequisites: Working knowledge of Internet and HTML

3. Course Contents:

Sr. No.	Course Content	No. of Sessions
1	Unit 1: Internet and WWW Internet Basics: Concept of Internet, evolution, Specification and establishment details, Intranets and extranets. Internet Applications: Email, Telnet, FTP World Wide Web: Concept, Web page: static, Dynamic, Active Scripting languages: Server side, Client Side. Web: Designing, Development and Publishing, HTTP, URL registration, browsers, Web server	
2	Unit 2: Starting with HTML Introduction to HTML, Basic block of HTML, Setting up the Document Structure, Formatting Text by using Tags, Using Lists and Backgrounds, Creating Hyperlinks and Anchors	
3	Unit 3: Style Sheets and Graphics Introduction to Style Sheets, Formatting Text by Using Style Sheets, Formatting Paragraphs by Using Style Sheets, Displaying Graphics	
4	Unit 4: Page Layout and Navigation: Creating Navigational Aids, Creating Division- Based Layouts, Creating and Formatting Tables, Creating User Forms, Including Java Script and External Content	

5	Unit 5: Going Live: Publishing Pages, HTML for Email	
---	--	--

4. Text Book(s):

1. Honey Cutt, "Using the Internet", 4th Edition, PHI Learning.
2. Faithe Wempen, "Step by Step HTML 5", South Asian Edition, Microsoft Press and PHI Learning
3. Wendy Willard, "HTML: A Beginner's Guide 5/E", 5th Edition, McGraw Hill

5. Other Reference Books:

1. Teach yourself the Internet in 24 Hrs, SAMS
2. HTML Black Book by Steven Holzner, Publisher: Dreamtech Press
3. HTML Complete Reference by Thomas A. Powell, Publisher Tata McGraw Hill
4. Teach yourself Java Script in 24 by Michael Moncur Publisher: Pearson Education

6. Unit wise coverage from Text book(s) :

1. Unit 1: Text Book – 1: Honey Cutt, "Using the Internet", 4th Edition, PHI Learning.
2. Unit 2 to 4: Text Book – 2: Faithe Wempen, "Step by Step HTML 5", South Asian Edition, Microsoft Press and PHI Learning
3. Unit 5: Text Book – 3: Wendy Willard, "HTML: A Beginner's Guide 5/E", 5th Edition, McGraw Hill