



Semester-I

Subject Name: Basics of Web Designing

Subject Code: 09CE1102

Objective: The main objective of this subject is to introduce the students with Internet and web. This subject covers the basics WWW, technologies like HTML, CSS including JavaScript. These technologies are equally used for developing web based educational and business applications. This course will help student for developing dynamic web pages which will be taught in upcoming semesters.

Credits Earned: 4 Credits

Course Outcomes: After completion of this course, student will be able to

- Understand the concepts of WWW including browser and HTTP protocol.
- Acquire the knowledge of various HTML tags and use them to develop web pages.
- Develop web pages using CSS styles, internal and/or external style sheets.
- Design the modern web pages using the HTML and CSS features with different layouts as per need of applications.
- Use the JavaScript to develop the dynamic web pages.

Pre-requisite of course: NA.

Teaching and Examination Scheme

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE (E)	IA	(CSE)	Viva (V)	Term work (TW)	
2	0	4	4	50	30	20	25	25	150

**ESE- End Semester Examination, IA-Internal Assessment,
CSE- Continuous Semester Evaluation**



Contents:

Unit	Topics	Contact Hours
1	INTERNET AND WWW Definition of Internet, WWW, Web Pages, Internet tools, Web server, Domain name, Search Engines, Web browser, IP address and its Versions (concepts only), Internet Protocols – TCP/IP, FTP, HTTP	4
2	HTML FUNDAMENTALS Basic Tags of HTML - HTML Tag - TITLE Tag – BODY Tag, Formatting of Text - Headers - Formatting Tags, PRE Tag, FONT Tag, META Tag Special Characters, Working with Images	8
3	ADVANCED HTML Links, Anchor tag, Lists - Unordered Lists - Ordered Lists –Definition Lists, Tables Tags- Colspan and Rowspan, Frames - Frameset, FRAME Tag, Frame inside other frames, NOFRAMES Tag, Forms - FORM and INPUT Tag, TextBox, Radio Button, Checkbox, SELECT Tag and Pull Down Lists - Hidden, Submit and Reset, Some Special Tags -T-HEAD	8
4	CSS CSS Introduction, Features, basics of Style Sheet, Working with CSS files, Syntax, Borders, Backgrounds, Fonts, Text effects. Types of Style Sheets- Inline Styles, Embedded Styles, External or Linked Styles	8
	Total Hours	28

Reference Books:

1. Thomas Powell, "HTML & CSS: The Complete Reference", Mc GrawHill, Fifth Edition
2. Terry Felke-Morris, "Web Development and Design Foundations with HTML5", Person, 8th edition.
3. Powell, Thomas, "JavaScript the Complete Reference, MC Grawhill, 3rd edition
4. Douglas E. Comer, "The Internet", Prentice Hall



Suggested Theory distribution:

The suggested theory distribution as per Bloom’s taxonomy is as per follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember	Understand	Apply	Analyze	Evaluate	Create
35%	35%	30%	0%	0%	0%

Suggested List of Experiments:

1. Visit five websites and prepare summary report about it.
2. Create HTML page contains single paragraph by using basic HTML tags.
3. Create HTML page that includes image and its description.
4. Design a HTML page which includes two links. Also write two HTML documents for the links.
5. Create a web page that includes four links which redirects to your subject syllabus webpage.
6. Create a web page which include different type of lists using HTML List tags.
7. Create a Web page using Frame and Frameset Tags.
8. Create a following table in web page using table tags

Item	Quantity	Price	Total Price
Pen	2	10	20
Paper	100	1	100
Marker	10	30	300
Subtotal			420
Tax		7%	42.76
Total			462.76

9. Create a registration form using HTML tags.
10. Create a web page which includes audio and video tags of HTML.
11. Create a web page with two different CSS which is Internal and inline.
12. Create a webpages using a single External CSS. Also use background and text properties.



13. Develop a web page using CSS to create a time table for the class using different border style.
14. Design a single page website for Marwadi University containing a description of all the courses offered. It should also contain general information about the college such as its campus and facilities provided by it.

Instructional Method:

- a. The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by black board, may also use any of tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.
- b. The internal evaluation will be done on the basis of continuous evaluation of students in the laboratory and class-room.
- c. Practical examination will be conducted at the end of semester for evaluation of performance of students in laboratory.
- d. Students will use supplementary resources such as online videos, NPTEL videos, e-courses, Virtual Laboratory

Suggested Resources

1. www.w3schools.com
2. www.tutorialspoints.com