

Core Course
CC-113 *CC-109 Practical

Course Introduction:

The course is aimed to make students acquainted with the features dynamic HTML tools. It aims to give emphasis on basic as well as advance features of XML.

Objectives:

- 1) To gain the knowledge of various advanced web development tools like CSS & JavaScript.
- 2) To develop skills for effective use of the XML in web site development.

No. of Credits: 3

Practical Sessions per week: 3

Teaching Hours: 40 hours

The students are expected to write program in ‘Dynamic HTML and XML’ language unit wise as given below. The list in each unit is **indicative only and may or may not be asked in the examination**. The programs given below are only sample example for practice in lab.

UNIT	TOPICS / SUBTOPICS	TEACHING HOURS
1	Practicals related to Cascading Style Sheet.	10 hrs
	1 Write HTML program which contains cascaded style sheet for p, h2, h3, body and font attribute.	
	2 Write HTML program which contains Inline Style sheet. For <p>, <h1> and <body> tags.	
	3 Write HTML program which contains external style sheet with user defined Classes.	
	4 Write HTML program which contains external style sheet with background attributes of style sheet.	
	5 Write HTML program which contains external style sheet with text attributes of style sheet.	
	6 Write HTML program which contains cascaded style sheet with border attributes of style sheet.	
	7 Write HTML program which contains cascaded style sheet with margin attributes of style sheet.	
	8 Write HTML program to create three different tables with different style. Styles for each table are different. For Example: <ul style="list-style-type: none"> ○ Table 1: Fonts with white color, 25 size Tahoma font family. Background with brown color ,repeated in x axis, Border with pink color, double style and 12 width ○ Table 2: Fonts with black color, 32 size Times New Roman font family. Background with gray color, repeated in y axis. Border with yellow color, groove style and 20 widths. ○ Table 1: Fonts with blue color, 50 size Tahoma font family. Background with light blue color, not repeated in any axis .Border with black color, double style and 12 widths. 	

2	Practicals related to JavaScript.		10 hrs
	1	Write a JavaScript to display hello world.	
	2	Write a JavaScript program that display the use of multiline Comment.	
	3	Write JavaScript to demonstrate the use of different dialogue boxes. For example: write messages good morning, good bye etc, take value from alert, confirmation for any operation.	
	4	Write a JavaScript program to calculate area of circle.(3.14*r*r)	
	5	Write a JavaScript program to convert Celsius to Fahrenheit. ((x*1.8)+32)	
	6	Write a JavaScript program to find factorial of a number.	
	7	Write a JavaScript program to find square and cube of number using function.	
	8	Write a JavaScript program to calculate multiplication table.	
	9	Write a JavaScript program to calculate simple Interest (p*r*n/100).	
	10	Write a JavaScript program to find prime number.	
	11	Write a JavaScript program to validate a form which consist of name, Age, address, email id, hobby(checkbox), gender(radio button), country (dropdown)	
	12	Create one form in which username must be 10 characters long, last name must be 5 characters long, validate email address and also validate for nonempty (fields must not be blank) fields.	
	13	Create JavaScript program which have list of color in dropdown menu, if user can select any color from dropdown menu this color will set to the background of document.	
	14	Create JavaScript program to create mathematical calculator.(functionality+,*,-,/))	
	15	Write a JavaScript program which displays an alert message on MouseOver Event of an Image.	
	16	Write a JavaScript program to change text from Uppercase to Lowercase.	
	17	Write JavaScript program for following. <ul style="list-style-type: none"> ○ Display a clock using Date object. ○ Sort N integer using Array object. ○ Convert Celsius to Fahrenheit using math object. ○ Display no of form of an image using document object. ○ Display Key name on a key pressed using Event object. 	
	18	Write a JavaScript code which return today's date including date and Time.	
19	Write JavaScript code to display happy new year in status bar.		
3.	Practicals related to XML Basics.		10 hrs
	1	Create simple XML document template to describe a Books with book title, author name & publication.	
	2	Create an XML document template to describe the result of student in an examination. The description should include the student's roll number, name, three subject names and marks, total marks, percentage, and result.	
	3	Suppose we want to store information regarding in Prescribed format in XML. For example.	

Textbook:

1. A Complete Guide to Internet and Web Programming (First Edition-2010)
Publisher: Dream Tech Press.
By Deven N. Shah
2. XML & Related Technologies(First Edition-2009)
Pearson Education.
By Atul Kahate

Reference Books:

1. Step By Step XML (First Edition-2000)
Publisher: PHI Practice-Hall India.
By Michael J. Young
2. Sams Teach Yourself XML in 24 hours(First Edition-2006)
Publisher: PEARSON Education
By Michael Morrison
3. Visual Quick Start XML Second Edition(First Edition-2011)
Publisher: Pearson Education.
By Kevin Howard Goldberg
4. Java Script Indian Edition(First Edition-2008)
Publisher: CENGAGE Learning
By Gosselin
5. DHTML and CSS Advanced(First Edition-2006)
Publisher: Pearson Education.
By Jason cranford Teau