

# **CAP283:FUNDAMENTALS OF WEB PROGRAMMING-LABORATORY**

L:0 T:0 P:3 Credits:2

**Course Outcomes:** Through this course students should be able to

- acquire the basics required to design web pages
- illustrate logic implementation on a web page
- understand how to manage versatile data on a web page

## **List of Practicals / Experiments:**

### **Basics of HTML**

- Introduction to HTML
- Common HTML tags and their attributes

### **Web page layout using HTML**

- ordered & unordered lists
- inserting image
- text and image links
- tables
- working with fonts in a web page
- frames
- forms
- traditional HTML vs XHTML

### **Overview of HTML5**

- HTML 5 document structure
- HTML 5 open media effort
- emerging elements and attributes of HTML5 to support web

### **CSS**

- introduction to style sheet
- inline, external, embedded CSS
- CSS border, margin, Positioning, color, text, link, background, list, table, padding, image, display properties
- use of Id & classes in CSS

### **Javascript**

- introduction to javascript
- concept of script
- types of scripts
- variables, identifiers constants in javascript,
- operators in javascripts
- control and looping structure
- concept of array
- event handling in javascript
- math and date object
- string object
- user defined functions
- validations in javascript

- object and constructors

**DOM using javascript**

- DOM concept in javascript
- window navigator, location object with methods

**Basics of JQuery**

- introduction to JQuery
- JQuery events
- animations and effects using JQuery.

**Text Books:**

1. HTML: THE COMPLETE REFERENCE by THOMAS A. POWELL, MCGRAW HILL EDUCATION

**References:**

1. WEB ENABLE COMMERCIAL APPLICATION DEVELOPMENT USING HTML, DHTML, JAVASCRIPT, PERL, CGI, by IVAN BAYROSS, BPB PUBLICATIONS