# Vidya Jyothi Institute of Technology

## Department of Computer Science and Engineering

### III year I sem

### Web Technologies Lab

**LIST OF EXPERIMENTS**

**Week 1:** Create a Registration page using HTML.

**Week 2:** Create a static HTML application with three frames as below:
First frame at the top containing a header
Second frame a navigation frame that contains hyperlinks to open 3 other pages
Third frame that displays a page corresponding to the hyperlinks in the second frame

**Week 3:** Design a static HTML page that contains a selection box with a list of 5 countries. When the user selects a country, its capital should be printed next to the list. Add CSS to customize the properties of the font of the capital (color, bold and font size).

**Week 4:** Design a HTML page with required JavaScript that takes a number from one text field in the range of 0 to 999 and shows it in another text field in words. If the number is out of range, it should show "out of range" and if it is not a number, it should show "not a number" message in the result box.

**Week 5:** Validate the fields of registration page created in the first experiment using regular expressions in JavaScript.

**Week 6:** Validate an XML document using DTD and XML schema.

**Week 7:** Create an XML document that contains 10 users information. Write a Java program, which takes User Id as input and returns the user details by taking the user information from the XML document using (a) DOM Parser and (b) SAX parser

**Week 8:** Create a PHP application that reads request parameters from the registration page created in the first experiment and stores in the database.

**Week 9:** Create a PHP application program for authenticating users for the above program using sessions.

**Week 10:** Installation and configuration of Tomcat and deploy a simple "Hello World" servlet.

**Week 11:** Write a servlet that reads request parameters from the registration page created in the first experiment and stores in the database.

**Week 12:** Write a servlet program for authenticating users for the above program.

**Week 13:** Implement the following session handling techniques using servlets:
   i)   Cookies
   ii)  Hidden form field
   iii) HttpSession
   iv)  URL Rewriting

**Week 14:** Create a JSP application that reads request parameters from the registration page created in the first experiment and stores in the database using Java Beans.

**Week 15:** Create a JSP application for authenticating users for the above program