

## **IT8511 WEB TECHNOLOGY LABORATORY**

### DETAILED SYLLABUS

#### **OBJECTIVES:**

- To design interactive web pages using Scripting languages.
- To learn server-side programming using servlets and JSP.
- To develop web pages using XML/XSLT.

#### **LIST OF EXPERIMENTS**

1. Create a web page with the following using HTML.
  - i) To embed an image map in a web page.
  - ii) To fix the hot spots.
  - iii) Show all the related information when the hot spots are clicked
2. Create a web page with all types of Cascading style sheets.
3. Client-Side Scripts for Validating Web Form Controls using DHTML.
4. Installation of Apache Tomcat web server.
5. Write programs in Java using Servlets: To invoke servlets from HTML forms. Session Tracking.
6. Write programs in Java to create three-tier applications using JSP and Databases
  - For conducting on-line examination.
  - For displaying student mark list. Assume that student information is available in a database which has been stored in a database server.
7. Programs using XML – Schema – XSLT/XSL.
8. Programs using DOM and SAX parsers.
9. Programs using AJAX.
10. Consider a case where we have two web Services- an airline service and a travel agent and the travel agent is searching for an airline. Implement this scenario using Web Services and Data base.