

SEMESTER - V

20ITPL501 SDG NO. 4 & 9	WEB TECHNOLOGY LABORATORY	L	T	P	C
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OBJECTIVES:

- To design static and dynamic interactive and responsive web pages
- To learn server side programming using servlets and JSP
- To create web services using web technologies
- To familiarize with angular framework

LIST OF EXPERIMENTS:

- Create a web page with the following using HTML
 - To embed an image map in a web page
 - To fix the hot spots
 - Show all the related information when the hot spots are clicked
- Create a web page with all types of Cascading style sheets using RWD.
- Client Side Scripts for Validating Web Form Controls using DHTML.
- Installation of Apache Tomcat web server.
- Write programs in Java using Servlets:
 - To invoke servlets from HTML forms.
 - Session Tracking.
- 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.
- Programs using XML – Schema – XSLT/XSL.
- Programs using DOM and SAX parsers.
- Programs using AJAX.
- 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.
- Design a Login page using Angular Framework

TOTAL: 45 PERIODS**LAB REQUIREMENTS: SOFTWARE**

Dream weaver or Equivalent, MYSQL Or Equivalent, ApacheServer, NetBeans/ Eclipse, NodeJS, Visual Studio Code.