Lab Manual

Web Technology (ITP33)

Experiment 1 (HTML)

- WAP in html to design a Bio-Data(using list, table, heading, align)
- WAP in html to show India map. And link various states within map using Image map tag
- Design the static web pages required for an online book store web site (using Form).
- WAP in html to create a webpage with four frames (Picture, table, list, and hyperlink).
- WAP in html to create a webpage to show the block level elements and text level elements.
- WAP in html to create a webpage to demonstrate usage of CSS styles sheets(Inline, Internal, External)
- WAP to demonstrate positioning with style sheets

Experiment 2 (XML)

- Create XML document to store information about a student
- Create a CSS style sheet and use it to display above document.
- Create XSL style sheet and use it to display above document
- Display XML element in HTML element using Data Island

Experiment 3(JSP)

- Implement the "Hello world!" program using JSP

- **Create a Log in and Log out form** (Create a Login form where you have two fields "username" and "password" with a submit button. When you click on submit button then you get welcome message with a logout button. When you click on logout button then we get back to login form.

- **Create registration form through JSP** (In Registration form, create a form to fill all the details which will contain name, username, password, address, contact number, etc. This form will help us to register with the application)

- **Write a program for** Creating the cookie object, Setting the maximum age, Sending the cookie in HTTP response headers **(For e.g.** create cookies of username and email and add age to the cookie for 10 hours and trying to get the variable names in the action_cookie.jsp)

Experiment 3 (Perl)

- Write a Perl program to display various Server Information like Server Name, Server Software, Server protocol, CGI Revision etc.

- Write a Perl program to accept the User Name and display a greeting message randomly chosen from a list of 4 greeting messages.

- Write a Perl program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.

- Write a Perl program to display a digital clock which displays the current time of the server.

Experiment 4 (PHP)

- **Create a Log in and Log out form** (Create a Login form where you have two fields "username" and "password" with a submit button. When you click on

submit button then you get welcome message with a logout button. When you click on logout button then we get back to login form.

- Write an HTML page that has one input, which can take multi-line text and a submit button.Once the user clicks the submit button ,it should show the number of characters ,lines and words in the text entered using an alert message.Words are seperated with white space and lines are seperated with new line character.

- Write an HTML page that contains a selection box with a list of 5 countries In the above page when the user selects a country, its capital should be printed next to the list, and add CSS to customize the properties of the font of the capital.

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- A user validation web application, where user submits the login name and password to server. These are checked against the data already available in database and if the data matches a successful login page is returned. Otherwise a failure message is shown to the user.

Experiment 5(AJAX)

- Create a simple XMLHttp Request and retrieve data from a Text file
- Load an XML file with AJAX and retrieve the content

Experiment 6(Project)

Develop a web application project using the languages and concepts learnt in the theory and exercises listed in Experiment 1-5 with a good look and feel effects. You can use any web technologies and frameworks and databases.