10B28CI581: Web Technology Lab

Course Credit: 1

Semester: V

Objective: To develop the ability to design and implement web enabled applications.

Learning Outcomes:

- The student shall acquire the skill to design and develop web based applications with high usability, scalability and efficiency.
- They shall be exposed to various technologies required to design web sites.
- They shall acquire the skill to choose the technology to use based on the requirements and functionality of the web site.

List of Experiments

S NO	Topics
1	Working with HTML tags, attributes and elements, Concept of table, frame, form and image.
2	To get familiar with CSS, Concept of Internal External and Embedded style sheets Class and ID.
3	To get familiar with JavaScript, working with operators, Conditional Statements, looping statements, Alert Box, Confirm Box and Prompt Box, Functions, Array, event handler, regular expressions and modifiers, Cookie and form validations.
4	DHTML Concepts, Combined effects of HTML, CSS, JavaScript and HTML DOM.
5	XML Concepts, XML Elements and Attributes, DTD and Schema, XML with CSS and XSL.
6	Basic PHP Concepts, PHP Operators, PHP Function, PHP Variables and Superglobals, Conditional Statements, Looping Statements, Array, Cookies, PHP Form, PHP Session, File Upload, File Handling, User login and Registration.
7	Database Connectivity, MySQL, MySQL connect, create DB/Table,Instructions such as select, where, order By, update and delet etc., encryption methods.
8	Project-To develops and implement, and demonstrate Database Driven Websites through a project that meet stated specifications.

References

1. "Web Enabled commercial Application development using HTML,DHTML, Java Script", Perl CGI" by Ivan Bayross, BPB Publication
2. "Internet and World Wide Web – How to Program" by Deitel, Deitel and Nieto ,Pearson Education Asia Publication
3. "PHP and MYSQL Manual" by Simon Stobart and Mike Vassileiou
4. "PHP and MYSQL Web Development" by Luke Welling and Laura Thomson(Pearson Education
5. "The XML Bible", by Elliotte Rusty Harold
6. "Step by Step XML" by Michael J. Young Prentice Hall Of India

7. "XML How to Programme" Deitel Pearson Edition
8. "XML Hand Book" 3rd Edition Pearson Edition

Evaluation Scheme:

1.	Mid Term Exam (Viva and Written Exam)	20
2.	End term Exam (Viva and Written Exam)	30
3.	Lab Records	5
4.	Regular Assessment (Quality and quantity of experiment performed, Learning laboratory skills, Attendance etc.)	30
5.	Project	15
	Total	**100**