	Web Technology with PHP Lab	L	T	P	C
Version 1.0		0	0	1	0
Pre-requisites/Exposure	Basic knowledge of web programming				
Co-requisites	--				

Course Objectives

The Course objective is to provide overview on Web technologies and Server Side programming. Upon the completion of this course, the students will be having the knowledge on Web technologies, and will be able to develop the Dynamic Web Programs using PHP and databases.

Course Outcomes

On completion of this course, the students will be able to
CO1. Learn markup languages HTML and scripting languages JavaScript
CO2. Identify the basic PHP programming structures
CO3. Develop real world object-oriented concepts using PHP
CO4. Develop interactive web based program with database connectivity

Catalog Description

Nowadays, the use of web applications are enormous by the individuals and organizations. Companies are using web-based solutions for their customers. Companies are also using CRM software to increase the loyalty of their consumers, and for taking feedbacks from their customers. Banks are using web based solutions to facilitate their customer to do transections, and access required information from anywhere in the world. The use of social and professional networking web sites are increasing day-by-day. For the development of web-based application, companies are recruiting smart-working employees with knowledge of server-side scripting language like PHP and web technologies. In this course, students will be able to understand the different web technologies. They would learn how to develop real world web-based applications using PHP programming. They will also learn how to develop the projects as a team.

List of Experiments

Experiment 01 - HTML: To design the web pages in HTML using Lists, Tables, Images, Forms and Frames.
Experiment 02 - JavaScript: To develop simple dynamic web pages to validate data using messages and confirmations.
Experiment 03 - Arrays and Functions in JavaScript: To develop simple web pages using input and output statements, functions and arrays.

Experiment 04 - Exception Handling: To develop simple web programs with exception handling.

Experiment 05 - PHP Basics: Installation of PHP and use of basic control structures.

Experiment 06 - String Manipulation in PHP with Form Validation: To develop web pages using PHP to perform String Manipulations and Form Validations.

Experiment 07 - Classes and Objects in PHP: To develop simple web pages to understand the concepts of classes and objects.

Experiment 08 - File Operations in PHP: To develop programs to perform the various file operations in PHP.

Experiment 09 - Exception Handling in PHP: To develop simple programs to understand the concept exceptional handling in PHP.

Experiment 10 - Database Connectivity: To develop simple programs to connect the webpages with the database.

Experiment 11 - Content Management Tools: To work with any one of the content management tool.

Text Books
1. PHP 6 and MySQL 6 Bible by Steve Suehring, Wiley Publication.
2. Chris Bates, Web Programming Building Internet Applications, Second Edition, Wiley (2007)

References
1. Beginning PHP and MySQL by W. Jason Gilmore by Apress.
2. Complete Reference PHP by Steven Holzner, TMH.
3. Head First PHP and MySQL by Lynn Beighley, Michael Morrison, O'Reilly.