

CAP777:WEB DEVELOPMENT USING PHP

L:3 T:0 P:2 Credits:4

Course Outcomes: Through this course students should be able to

- CO1 :: knowledge about dynamic web-based solutions development
- CO2 :: understand essentials skills for commercial web development
- CO3 :: employ the mandatory skills of web-based IT solution development
- CO4 :: explore the possibility to come up with optimized web-based IT solutions

Unit I

Basics of PHP : introduction to PHP, client site script vs server site script, compiling process for php web page, variables in php, constants in php, control flow statements, looping statements, OOPs in PHP

Unit II

Functions in PHP : built in functions in php, defining and calling user defined functions in php, function parameters in php

Unit III

Arrays in PHP : types of arrays supported in php, performing operations on array in php, traversing arrays in php, sorting arrays in php, array functions in php
Strings in PHP : single-quote strings, double-quote strings, built-in String functions

Unit IV

Handling HTML forms with PHP : html form controls, capturing HTML form data using PHP, sending data from PHP to HTML page

Unit V

Database using MySQLi with PHP : database options using php, performing database operations using mysqli, performing database navigation using mysqli, using grid with mysqli

Unit VI

Working with Graphics and PDF in PHP : embedding an image in web page, creating custom images in php, images with text, scaling images, creating pdf documents in php, inserting images and graphics in pdf with php, navigation in pdf pages using php

List of Practicals / Experiments:

Programming in PHP

- logic implementation using different types of variables
- programing constructs in php
- using objects of classes to implement properties and methods

Implementing functions in PHP

- creating functions in php
- types of function calls in php
- functions arguments in php

HTML forms and PHP

- applying logic on html form data using php
- methods to send to data from html to php page

Using MySQLi database

- sending data from html page to MySQLi database using php
- different modes to retrieve data from a MySQLi database to HTML page

Implementing arrays and strings in PHP

- indexed arrays in php

- associative arrays in php
- multidimensional arrays in php
- built-in String functions

Working with Graphics and PDF

- implementing graphics and pdf in php
- creating and drawing images
- inserting images and graphics in pdf

Text Books:

1. PROGRAMMING PHP by RASMUS LERDORF, KEVIN TATROE, O'REILLY

References:

1. WEB TECHNOLOGIES BLACK BOOK by KOGENT LEARNING SOLUTIONS INC., DREAMTECH PRESS
2. WEB TECHNOLOGIES HTML, CSS3, JAVASCRIPT, JQUERY, AJAX, PHP, XML, MVC AND LARAVEL by DT EDITORIAL SERVICES, DREAMTECH PRESS