C.U.SHAH UNIVERSITY – Wadhwan City

FACULTY OF: -Technology and Engineering (Diploma Engineering)
DEPARTMENT OF: -Computer Engineering
SEMESTER: -VI   **CODE**: -2TE06WEP1
NAME – Web Programming

Teaching & Evaluation Scheme:-

Subject Code	Name of the Subject	Teaching Scheme				Evaluation Scheme							Total
						Theory				Practical (Marks)			
		Th	Tu	Pr	Total	Sessional Exam		University Exam		Internal		University	
						Marks	Hours	Marks	Hours	Pr/Viva	TW	Pr	
2TE06WEP1	Web Programming	04	00	04	08	30	1.5	70	3	----	20	30	150

Objectives:-

Using PHP and My SQL we can make dynamic websites. PHP is probably the most popular scripting language on the web. It is used to enhance web pages. We can developed dynamic web pages.

Prerequisites: Basic knowledge of HTML and CSS.

Course Outlines:-

Sr. No.	Course Contents	Hours
1	**Introduction to PHP.** History of PHP, Apache Web Server, MySQL and Open Source, Relationship between Apache, My SQL and PHP (AMP Module),PHP configuration in Apache Web server	08
2	**Basics of PHP** PHP structure and syntax, Creating the PHP pages, Rules of PHP syntax, Integrating HTML with PHP, Constants, Variables : static and global variable, Conditional Structure & Looping, PHP Operators, Arrays, for each constructs, User defined function, argument function, Variable function, Return Function, default argument, variable length argument	10
3	**Working With Functions** Variable Function(gettype, settype, isset, unset, strval, floatval, intval, print_r) String Function(chr, ord, strtolower, strtoupper, strlen, ltrim, rtrim trim, substr, strcmp,	08

	strcasecmp, strops, strrpos, strstr, stristr, str_replace, strrev, echo, print), Math Function (abs, ceil, floor, round, fmod, min, max, pow, sqrt, rand), Date Function (date, getdate, setdate, checkdate, time, mktime), Array Function (count, list, in_array, current, next, previous, end, each, sort, array_merge, array_reverse), File Function (fopen, fread, fwrite, fclose)	
4	**Working With Data** FORM element, INPUT elements, Processing the form, User Input (INPUT checkbox type, one form, multiple processing, Radio INPUT element, Multiple submit buttons, Basic input testing, Dynamic page title, Manipulating the string as an array), Adding items, Validating the user input, Passing variables between pages (Passing variables through a URL, Passing variables with sessions, Passing variables with cookies, Passing information with forms)	08
5	**Error Handaling** Error types in PHP, Generating PHP errors, Exceptions, Not meeting conditions, Parse errors	06
6	**Images With PHP** Working with GD Library, File types with GD and PHP, Compiling PHP with GD, Creating the image table, Uploading the image	06
7	**Introduction To MY SQL** My SQL structure and syntax, Types of My SQL tables and storages engines, My SQL commands, Integration of PHP with My SQL, Connection to the My SQL server, Working with PHP and arrays of data, Referencing two tables, Joining two tables	10

List of Experiments:-

- Create a simple PHP script that display hello world onbrowser.
- Create a PHP script having two string variable and display there concenated output, length of both string and comparison result onbrowser.
- Create a PHP script having an array of 5 elements and performfollowing.
- Create a PHP script having associative array with names as key and age as elements perform following for givendata.
- Create a PHP script to performfollowing.
    - Find min and max Number from givenarray.
    - Round each array element to their ceiling and floorvalue.
- Create a Login page using HTML form and input tag and display the username and password when the page is submitted. (USE $_GET()method)
- Create a Registration Form with necessary fields and display all the data on PHP page when the page is submitted. (USE $_POST()method)
- Create a PHP script that connects PHP with MYSQL database and Insert the records accordingly for registrationform.
- Create a PHP script that retrieve username and password from database and validate the login formaccordingly.
- Create a PHP script that Display number of employees with their Designation from Database table and further more when an employee name is clicked display the full dynamic profile in table format fromdatabase.
- Create a PHP script with HTML and develop Employee search page. (Search Can be Done on Employee name, EmpDept or Designation as selected) Both LIKE and EXACT Search should be done.

- Create a PHP script that displays the employee names and designation in table format from database with a small delete and update icon, when respective icon will be clicked update, delete operation should be doneaccordingly.
- Create a HTML Login Form and after successful Authentication display Username using SESSION.
- Create a HTML Registration Form and validate it using PHP when the validation of data fails, retrieve the correct data back usingCOOKIE.
- Create a PHP page that allows to include other PHP pages to given page.(USE INCLUDE AND REQUIRE).
- Create a PHP page that counts number of logged in users for givenweb.

Learning Outcomes:-

By learning this subject we can make website using PHP and MySQL.

Books Recommended:-

- **Beginning PHP, Apache, MySQL Web Development** Elizabeth Naramore, Jason Gerner , Yann Le Scouarnec, Jeremy Stolz, Michael K. Glass, Gary Mailer - By WroxPublication
- **PHP, MySQL and Apache** - Julie C. Melone By PearsonEducation
- **Beginning PHP 5.3** by Matt Doyle - By WroxPublication
- **PHP and MySQL Bible** – Tim Converse and Joyce Park with Clark Morgam By Wiley INDIA

E- References:-

- http://www.tutorialspoint.com/php/
- http://www.w3schools.com/php/default.asp
- http://www.tutorialspoint.com/php/php_and_mysql.htm
- http://www.w3schools.com/php/php_mysql_intro.asp