C. U. SHAH UNIVERSIT, WADHWAN CITY.

Faculty of: **Computer Science**
Course: **Bachelor of Science (Information Technology)**
Semester**: II**
Subject Code**: 4CS02TPP1**
Subject Name: **Basics of PHP Programming**

Sr. No	Branch Code	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								
									Theory				Practical				
									Internal Assessment		End Semester Exams		Internal Assessment		End Semester Exams		Total
				Th	Tu	Pr			Marks	Duration	Marks	Duration	Marks	Duration	Marks	Duration	
5	2	4CS02TPP1	Basics of PHP Programming	4	--	4	8	6	15 SE 15 CE	1Hr.	70	2½ Hrs.	50 IP 50 CE	1 ½ Hrs.	---	--	200

AIM:

At the end of this course, Student can develop a static web site. Students can have basic knowledge of HTML.

COURSE CONTENTS

Unit I Introduction to PHP   **10 Hrs.**
- Static Page, Dynamic page
- Client side scripting, server side scripting
- What is PHP? Characteristics of PHP
- How PHP is parsed? PHP Syntax
- PHP Comments, PHP variable
- Scope of variable, PHP operators
- $_GET, $_POST, $_REQUEST
- Conditional statements
- Looping statements, Array

Unit II PHP Functions   **12 Hrs.**
- Creating function in PHP, Passing functions some data
- Passing array to function, Passing by reference
- Using default argument, Returning data from function
- Returning array, PHP variable function, Nesting functions,
- String functions, Math functions, Array functions, Date functions
- File handling functions
- HTML forms with PHP, Regular expression in PHP

Unit III PHP File   **10 Hrs.**
- PHP file upload
- PHP file download
- PHP Cookie
- PHP session
- $_SERVER variable
- Environment variables

Unit IV MySQL   **16 Hrs.**

- What is Database ?, Essential concepts of database
- Introduction to Mysql, Mysqldatatypes
- Connection to database, (mysql_connect, mysql_close())
- Creating mysql database, Creating new table
- altering table, Inserting records into database
- Updating database, Deleting records, Displaying records
- Where clause, Fetching datasets
- Counting numbers of rows and affected rows in datasets
- Mysql Aggregate Functions (sum, avg, count)
- Mysql Clauses (where, group by, order by, having)
- Operator OR,IN, NOT,BETWEEN, LIKE
- Sub queries, Joins and Unions

REFERENCE BOOKS:

1. Beginning Web Programming with HTML, XHTML, and CSS by Jon DuckettWrox, Publication, ISBN-13 9788126525515
2. World wide web design with HTML by CXavier, Tata McGraw - Hill Education, ISBN-13 9780074639719
3. Html &Css: The Complete Reference 5th Edition by Thomas A. Powell, Tata Mcgraw Hill Education Private Limited
4. Beginning JavaScript by Jeremy McPeak, Paul Wilton, Wiley Publisher
5. Beginning HTML and CSS – By Rob Larsen (Wrox Publication)
6. JavaScript and jQuery – By David Sawyer McFarland (O'REILLY Publication)