

Course: BCA
Sub Code: 6BCA1

Semester: VI
Subject Name: Web Development

7501

Unit	Lectures	Practical's	Workshops	Demo	Field Visits	Total Hours	Remarks
Unit-I Introduction to PHP, History of PHP, Versions of PHP, Features of PHP, Advantages of PHP over Other Scripting Languages, Installation and Configuration of PHP, Data Types in PHP, PHP Syntax, Comments, PHP Variables and Constants, Scope of Variables, PHP String, String Manipulation, PHP Operators, Precedence of Operators, Expressions, Creating a PHP Script, Running a PHP Script.	8	6				14	
Unit-II Basic HTML, Embedding PHP in HTML, Passing Information between Pages, PHP \$_GET, PHP \$_POST, PHP Conditional Statements, PHP Looping Statements, Break, Continue, Exit, PHP Functions: Built-in and User Defined Function, Regular Expression Functions, Mathematical, Date and Time Functions, PHP Arrays: Creating Array and Accessing Array Elements,	8	6				14	
Unit-III PHP File Permissions, Working with Files: Opening, Closing, Reading, Writing a File; Working with Directory: Creating, Deleting, Changing a Directory; Working with Forms: Introduction to a Web Form, Processing a Web Form, Validating a Web Form, Input Validation, PHP with Client Side Scripting Language, Exception and Error Handling in PHP, Introduction to Cookies and Session Handling,	8	6				14	
Unit-IV Working with Database: PHP-Supported Databases; Using PHP & My SQL: Installation and Configuration of My SQL on Windows, Checking Configuration, Connecting to Database, Selecting a Database, Adding Table and Altering Table in a Database, Inserting, Deleting and Modifying Data in a Table, Retrieving Data, Performing Queries, Processing Result Sets,	8	6				14	
Unit-V Code Re-use, require(), include(), and the include_path, File System Functions and File Input and Output, File Uploads, Use of CSS, Introduction to Object Oriented Programming with PHP, Installing and Configuring Apache to use PHP on Windows, php.ini File,	8	6				14	
TEXT & REFERENCE BOOKS: <ul style="list-style-type: none"> • PHP & MY SQL, BY VIKRAM VASWANI, TMH PUBLICATIONS • PHP ESSENTIALS, BY JULIE C. MELONI, BPB PUBLICATIONS • PHP 5 AND MY SQL BIBLE, BY TIM CONVERSE AND JOYCE PARK, WILEY-DREAMTECH INDIA PUBLICATIONS • WEB TECHNOLOGIES, BLACK BOOK, DREAMTECH PRESS • ATKINSON, LEON. CORE PHP PROGRAMMING, NEW YORK: PRENTICE HALL • LEARNING PHP 5, BY DAVID SKLAR PUBLISHER O'REILLY MEDIA • MASTERING PHP, BY CHARLES, PUBLISHER: BPB • EXPERT PHP AND MYSQL, WROX PROGRAMMER TO PROGRAMMER, WROX PRESS, 2010 • PHP FOR ABSOLUTE BEGINNERS, APRESS, 2009 • SAMS TEACH YOURSELF CSS IN 24 HOURS (2ND EDITION), SAMS PUBLISHING, 2006 • HTTP:// WWW.PHPBUILDER.COM • HTTP://PHP.FAQTS.COM 							