



P.S.R. ENGINEERING COLLEGE, SIVAKASI – 626 140.

(An Autonomous Institution, Affiliated to Anna University, Chennai)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE VAC15CS02 – HTML and PHP

Course Objectives:

- To understand the general concepts of PHP scripting language for the development of Internet websites.
- To understand the basic functions of MySQL database program.
- To learn the relationship between the client side and the server side scripts.
- To develop a final project using the learned techniques.

Course Outcomes:

After successful completion of this course, students will be able to:

- CO1: Write PHP scripts to handle HTML forms.
- CO2: Write regular expressions including modifiers, operators, and metacharacters.
- CO3: Create PHP programs that use various PHP library functions, and that manipulate files and directories.
- CO4: Analyze and solve various database tasks using the PHP language.
- CO5: Analyze and solve common Web application tasks by writing PHP programs.

Course Syllabus:

Day 1: HTML and PHP Basics

- HTML, CSS, HTML5, XHTML
- Setting up a development environment
- Variables, numbers and strings
- Calculations with PHP
- Using Arrays

Day 2: Control Structures and Loops

- Conditional Statements
- Using Loops for Repetitive tasks
- Combing Loops and Arrays

Day 3: Functions, Objects and Errors

- PHP's Built-in functions
- Creating Custom functions
- Passing Values by Reference
- Understanding Objects
- Server-side includes

Day 4: Working with Forms

- Building a Form
- Processing a Form's Data
- Differences between POST and GET
- Preserving User Input

Day 5: More with Forms

- Dealing with checkboxes and radio buttons
- Retrieving values from lists
- Validating and restricting data