

## B.Sc. Computer Science

### SEMESTER – VI

Course Code	Course Title	H	C	I	E	T
17U6DME2	Elective - II E. PHP Programming	5	4	25	75	100

#### Objectives:

- To impart the knowledge of PHP Programming.
- Code programs and develop interface using PHP Programming.

#### Unit –I

**Total Hours:75**

##### Introduction to PHP

**(15 Hours)**

Overview of PHP: PHP Origin-PHP History-Benefits in running PHP As A Server Side Script-Drawbacks in running PHP As A Server Side Script. Getting started: Writing PHP-Naming files-comments- The semicolon- Delivering text as output- White spaces- Running the PHP script- Data types-variables-constants.

#### Unit-II

##### The Basics of PHP

**(15 Hours)**

Operators: Unary operators-Negation operators-Increment/Decrement operators-Cast operators-Binary operators-Numeric operators-Assignment operators-Concatenation operators-Comparison operators-Logical operators-Bitwise operators-Ternary operators-Operator precedence. Arrays: Array Creation-Array Data Retrieval-Associative array-Conditional Statements: The if statement-Executing multiple statements-The else if clause-The switch statement. Iterations: looping-The For loop-The While loop-Controlling an array using a while loop -Do while statement-The for each loop-Infinite loops-Special Loop keywords - Loops within Loops.

#### Unit-III

##### Functions

**(15 Hours)**

User defined functions: Functions with arguments-Functions with multiple Arguments-Functions Accepting and returning values by reference- Functions Accepting and returning values by value-Accessing global variables within a function-Globalizing functions-Functions in Files-Recursion-Anonymous Functions-Built-in Functions-PHP Server variables-Working with DATE and TIME Functions-Performing mathematical operations-Working with String Functions.

#### Unit-IV

##### Exception Handling and Working with files

**(15 Hours)**

Configuration directives-Error logging-Exception handling-About files and directories: Parsing directory paths-calculating file, directory and disk sizes-determining access and modification times-Working with files: the concept of resource-recognizing newline characters, end of file character-opening and closing a file-reading from a file-writing a string to a file-moving the file pointer-reading directory contents.

#### Unit-V

##### Working with Forms

**(15 Hours)**

Introducing HTML Form Tags and Elements-The main <form> Tag - Form elements:Text Box-Text Area-Password-Radio Button-Check Box-The Combo Box or Drop Down List Box-Hidden Field-Image-Submit and Reset buttons. Adding Elements To A Form: Adding A Textbox- Adding Radio buttons- Adding Check boxes- Adding A select box- Adding A password field- Adding A Textarea- Adding A Submit and Reset button-Adding a Hidden Field-Uploading Files to the web server using PHP-THE move\_uploaded\_file() function.

**Text Books:**

1. “PHP 5.1 for beginners” - Ivan Bayross,Sharnam Shah -First edition - SPD publishers.
2. 2.,”Beginning Php and Mysql” - W.Jason Gilmore - Fourth edition, - Springer publishers.

**Chapters:**

**Unit –1:** 1,5

**Unit –2:** 6

**Unit –3:** 7

**Unit –4:** 8, 10(pages 229-248) → Text Book 2

**Unit –5:** 8 → Text Book 1

**Reference Books:**

1. “Build your own database driven web site using PHP & MySQL” - Kevin Yank - IV Edition.
2. “Straight to the point PHP” - Dinesh Maidasani,- First edition- FireWall media.