# CAP777: WEB DEVELOPMENT USING PHP

**L: 3     T: 0     P: 2     Credits: 4**

**Course Outcomes:** Through this course students should be able to

**CO1 ::** Develop dynamic web pages using php

**CO2 ::** Apply database concepts for effectively manage data using server site script

**CO3 ::** Apply the different aspects of server site and client site scripts

**CO4 ::** Apply the parsing technique to read data from other sources

## SYLLABUS:

**Unit-1**

**Introduction with Language Basics:** - brief introduction to php, lexical structures in php, data types and variables in php, control flow and loops in php, embedding php in web pages, super global variables in php

**Unit-2**

**Functions in PHP:** understanding built in functions of php, defining and calling user defined functions in php, managing parameters in user defined functions, user defined functions with return values, variable functions and anonymous functions in php

**Unit-3**

**Arrays in PHP**: different types of arrays supported by php, storing data in arrays, array functions in php, traversing arrays, converting between arrays and variables, sorting arrays in php

**Unit-4**

**Working with Databases in PHP:** using php to access database, performing database operations using mysqli, advanced database techniques, validation techniques

**Unit-5**

**Working with Graphics in PHP:** embedding an image in web page using php, creating and drawing images, images with text, scaling images, color handling of images using php

**Working with PDF in PHP:** pdf extensions available in php, pdf documents and pages, putting text in pdf pages using php, inserting images and graphics in pdf with php, navigation in pdf pages using php

**Unit-6**

**Working with XML in PHP:** Generating xml in php, parsing xml with simple xml, parsing xml with xslt

**File Upload and File Permissions:** Files access and uploads using php, file permissions in php

**PRACTICALS:**

1.  Basics of PHP programming language such as data types, operators, control flow, loops, super and globals
2.  Implementing functions in php, built in functions, user defined functions, parameters, return values, variable functions and anonymous functions
3.  Implementation of array in php, types of arrays, storing data, array functions, traversing arrays, converting between arrays and variables, sorting arrays
4.  Databases Connectivity, accessing database, database operations, advanced database techniques
5.  Implementing graphics and pdf in php, embedding images, creating and drawing images, images with text, scaling images, color handling, pdf extensions, pdf documents and pages, putting text in pdf pages, inserting images and graphics in pdf, navigation in pdf pages
6.  Implementing XML and file upload, generating xml, parsing xml with simple xml, parsing xml with xslt, files access and uploads, file permissions.

**Text Books:**

1.  PROGRAMMING PHP by RASMUS LERDORF, KEVIN TATROE, O'REILLY

**References:**

1.  WEB TECHNOLOGIES BLACK BOOK by KOGENT LEARNING SOLUTIONS INC, DREAMTECH PRES