Course code: CS-512 T   **Course Title: C2. Advanced PHP**

Total Credit: 2   Marks: 50 (UA: 40 + IA: 10)

Periods: 3 per week (50 Minutes each)

Prerequisites :-

Learning Objectives

This course enables students to do web programming using PHP and MySQL .It would enable them to develop websites and other web based applications

Learning Outcomes

After learning the course the students should be able to:

- Perform Server and Client-side validations in PHP.
- Design and develop dynamic web applications using PHP.

Course Outline

Unit- I : Form Interaction

Introduction to a web form, processing a web form, capturing form data, passing information between pages, PHP $_GET, PHP $_POST, with multi value fields, Superglobal variables , Working with Number, Strings functions, Working with Dates and Time

Unit – II : Validation

Interaction with HTML form, Validating HTML Form – name, email, number etc., input validation, exception and error handling, cookies and session handling.

Unit – III : Working with database

Introduction to MySQL: Features, Merits and Demerits - MySQL data types and constraints - Working withForms PHP and MySQL Integration – Basic SQL Commands (Insert, Update, Delete, Select) – MySQLfunctions (mysqli_connect, mysqli_select_db, mysqli_query, mysqli_num_rows, mysqli_fetch_array, mysqli_fetch_field, mysqli_close)

Unit – IV : Working with Files

Code re-use, require(), include(), and the include_path, PHP file permissions, working with files: opening, closing, reading, writing a file, file system functions and file input and output, working with directory: creating, deleting, changing a directory, file uploads

Unit – IV : Test & Tutorials

Reference Books:
1. VIKRAM VASWANI, "PHP and MySQL", Tata McGraw-Hill
2. BEN FORTA , "MySQL Crash course " SAMS.
3. C.J. DATE, "An Introduction to Database Systems", Addison Wesley, Sixth Edition.
4.Ramesh Elmasri and Shamkant B Navathe," Fundamentals of
DataBaseSystems",PearsonEducation,Third Edition.
5. Tim Converse, Joyce Park and Clark Morgan, "PHP 5 and MySQL",
 Wiley India reprint.
6. Robert Sheldon, Geoff Moes, "Beginning MySQL", Wrox.
7. Alexis Leon and Mathews Leon, "Database Management Systems", Vikas