4/4 B.Tech - FIRST SEMESTER

IT7T4	**DISTRIBUTED OBJECT TECHNOLOGIES**	**Credits: 3**
Lecture: 3 Periods/week		**Internal assessment: 30 marks**
Practice/Interaction: 1Period/week		**Semester end examination: 70 marks**

Objectives:

- To understand explain the creation of response generated by the server.
- To explain the server side scripting concepts in the creation of web applications.
- To explain the basic operations on databases which improves the dynamic nature of the web pages.
- To enhance the creation of server objects for accepting requests and response.

Outcomes:

Students will be able to

- Understand the basic operations on data.
- Implement conditional, control statements and functions.
- Perform operations on arrays and files.
- Understand and perform database operations.
- Understand the concepts of AJAX with XML and database.

Prerequisite:

Java, Web Technologies.

Syllabus:

UNIT -I

PHP Programming: Introducing PHP: Creating PHP script, Running PHP script.
Working with Variables and constants: Using variables, Using constants, Data types, Operators: Arithmetic, Assignment, Comparison, Increment &Decrement Operators, Logical, String, Array.

UNIT -II

Controlling program flow: PHP Strings: length, count, search, replace, reverse, Conditional statements: if, if-else, switch, Control statements: for, while, Arrays: Indexed, Associative, Multidimensional, Sorting, Functions: user defined functions, function arguments, default argument.

UNIT- III

PHP Arrays: PHP two dimensional Array, PHP date and time, include,
File Operations: file Handling, file Open/Read, file Create/Write, file Upload, Php Error Handling, Exceptions.

UNIT- IV

Mysql Database: connect, create database, table, insert, select, delete, update Forms and Database using MySql, Cookies, Sessions, Form Validation, Php super global variables.

UNIT -V

AJAX: Introduction, AJAX with XML and PHP, AJAX Database.

Text Books:
1. "PHP for the web", 4th Edition, Larry Ullman.
2. "PHP for absolute Beginers", Jason Lengstorf, published by Apress publications

Reference Books:
1. "Head First PHP and MYSQL", 2nd Edition, Lynn Beighley.
2. "PHP Object Oriented Solutions", David Powers.

e- Learning Resources:
1. http://thephpbasics.com/
2. http://www.w3schools.com/php/
3. http://freevideolectures.com/Course/3165/PHP-Programming#
4. http://www.developphp.com/video/PHP