GUJARAT UNIVERSITY

K. S. SCHOOL OF BUSINESS MANAGEMENT
[Five Years' (Full-time) Integrated Degree Course]

Semester-6 [M.Sc. (CA & IT)]

Subject Code: - KS_C_SE -361
Subject Name: - Advance Web Technology *(PHP Programming)*
Credit: - 3

Objective:

The goal of this subject is to provide students with the knowledge and ability to write server- side scripting language commonly used on the web to interact with users. Provide knowledge about latest PHP Frameworks and hands on practice of PHP concepts. Apart from this the major motive is to provide detailed knowledge of Design, Debug and Deploy feature-rich web applications.

Unit No.	Course Content	Weight-age (%)
1	**Fundamental and basics of PHP** Introduction of PHP, Installation, NetBeans overview and installation, syntax, Variables, Data Types, strings, Numbers, constants, operators, loop structures, functions, arrays, Super-global	20%
2	**PHP Forms and Advance Techniques** Form Creation, Form Handling, Form Validation, Form URL, Form Examples, PHP Date & Time, Include, File Handling, File Open/Read/create/write/upload, Cookies, Session, Filters, PHP JSON	20%
3	**PHP Object Oriented Programming Concepts** OOP Concepts in PHP, Classes/Objects, Constructor and destructor, Access Modifiers, Inheritance, Abstract Class, Traits, Static Methods, Static Properties	20%
4	**MY SQL Database** Introduction, ConnectDB, CreateDB, Create Table, Insert Data, Get Last ID, Operations on DB – Multiple Values, select data, fetch data, ordering, delete, upload, limit.	20%
5	**PHP XML and AJAX and MVC** XML Parsers, Simple XML Parser, Simple XML GET, XML Expat, XML DOM, AJAX introduction, AJAX in PHP, AJAX Database, AJAX Database, AJAX and XML, AJAX Live Search, AJAX Poll, **MVC Architecture:** Design pattern, Types of PHP MVC frame work, Database configuration, Creating model, Creating Views and Testing application.	20%

Recommended Practical Scheme: Approximately 45 hours of Lab demonstration with coding Practice.

Main Reference Books:

    1. The Complete Reference – PHP
       Stvean Holzner – TATA McGRAW HILL Publication
2. Pro PHP MVC
       Christ pitt – Apress Publication

Reference Books:
    1. PHP and MySQL for dynamic WebSites
       By Larry Ullman, Visual Quickpro Guide, Second Edition