



Faculty of: **Computer Science**

Course: **Bachelor of Science Information Technology**

Semester: **II**

Subject Code: **ITE202-1C**

Subject Name: **WEB DEVELOPMENT**

Sr. No	Category	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								
				Th	Tu	Pr			Theory				Practical				Total
									Continuous and Comprehensive Evaluation		End Semester Exams		Internal Assessment		End Semester Exams		
									Mark	Marks	Mark	Duration	Mark	Duration	Mark	Duration	
3	MINOR	ITE202-1C	WEB DEVELOPMENT	3	-	2	5	4	10	Assignment	50	2	25	1	-	-	100

AIM:

To enable the student to learn about creating web page, web site structure using server side scripting.

COURSE CONTENTS

UNIT – 1 Introduction to PHP

9 Lectures

- Static Page, Dynamic page
- Client side scripting, server side scripting
- What is PHP? Characteristics of PHP
- How PHP is parsed? PHP Syntax
- PHP Comments, PHP variable
- Scope of variable, PHP operators
- \$_GET, \$_POST, \$_REQUEST
- Conditional statements, Looping statements
- Array: Numerical Array and Associative Array

UNIT – 2 PHP Functions

12 Lectures

- Creating function in PHP, Passing functions some data
- Passing array to function, Passing by reference
- Using default argument, Returning data from function
- Returning array, PHP variable function,
- Nesting functions,
- Built-in Function: String functions, Math functions, Array functions, Date functions,
- File handling functions
- HTML forms with PHP,
- Regular expression in PHP

UNIT – 3 PHP File and Server Variable**12 Lectures**

- PHP file upload
- PHP file download
- PHP Cookie
- PHP session
- \$_SERVER variable
- Environment variables

UNIT – 4 Database Connectivity using MySQL**12 Lectures**

- What is Database ?, Essential concepts of database
- Introduction to Mysql, Mysqldatatypes
- Connection to database, (mysql_connect, mysql_close())
- Creating mysql database, Creating new table, altering table, Inserting records into database
- Updating database, Deleting records, Displaying records
- Where clause, Fetching datasets
- Counting numbers of rows and affected rows in datasets
- Mysql Aggregate Functions (sum, avg, count)
- Mysql Clauses (where, group by, order by, having)
- Operator OR,IN, NOT,BETWEEN, LIKE

Arrangement of lectures duration and practical session as per defined credit numbers:

Units	Lecture Duration (In Hrs.)		Calculation of Credits (In Numbers)		Total Lecture Duration	Credit Calculation
	Theory	Practical	Theory	Practical	Theory+ Practical	Theory+ Practical
Unit – 1	09	03	3	1	12	4
Unit – 2	12	05			17	
Unit – 3	12	10			22	
Unit – 4	12	12			24	
TOTAL	45	30	3	1	75	4

Evaluation:

Theory Marks	Practical Marks	Total Marks
75	25	100

REFERENCE BOOKS:

1. The complete reference PHP, Steven holzner, McGraw Hill education
2. PHP 6 and MySQL Bible, Steve suehring, tim converse, and joyce park, Wrox
3. PHP, MySQL and Apache Server, Shashi banzal, Firewall media
4. Sams Teach Yourself PHP, MySQL and Apache all in one. Julie C. Meloni, Pearson
5. Beginning PHP6, Apache , MySQL web development, Wrox

Swayam: https://onlinecourses.swayam2.ac.in/aic20_sp32/preview