

**S.G.M. Bank English Medium College of Commerce and
Management**

Course Plan

BBA (ITM)

Semester-V

Paper Code & Title: UM05CBBI01 (Web Application Development)

Total Credit: 3 (45 Sessions)

Faculty: Dr. Kamlesh Vaishnav

Course Objective

Student will be able to

1. Identify the need for Server Side Scripting
2. differentiate server side scripting and client side scripting
3. advantage of using PHP for Web application development
4. basic programming features of PHP
5. develop interactive website using forms and PHP script
6. design and develop data driven website using MySQL DBMS

Course Plan

UNIT-I: Introduction to PHP	09
History of PHP, Features of PHP	1
General structure of PHP, Displaying output	2
Escaping special characters, Variables - (declaring, assigning, destroying)	2
Datatypes, Setting and testing datatypes	2
Constants - Operators (Arithmetic, Comparison, Logical, Assignment, Concatenation)	2
UNIT-II: PHP Basics	12
Control structures (if, if-else, if-else if, switch)	3
Looping structures (while, for)	3
1-D Array (Number-indexed and Associative) (Storing data, assigning, accessing array elements, displaying)	3
User-defined functions	3
UNIT-III: Advanced PHP and Form Interaction	11
Number Functions	2
Strings Functions	2
Dates and Time Functions	2
Creating tables using PhpMyAdmin	2
Interaction with HTML form	3
UNIT-IV: Database programming and PHP	13
Working with Forms	1
PHP and MySQL Integration - Basic SQL Commands (insert, update, delete, select)	6
Database functions (mysql_connect, mysql_select_db, mysql_query, mysql_num_rows, mysql_fetch_array, mysql_fetch_field,mysql_close)	2
Generating reports using PHP and MySQL.	4

Course Outcome

Students can

1. understand the need for Server Side Scripting
2. differentiate server side scripting and client side scripting
3. identify advantages of using PHP for Web application development
4. write interactive web pages using basic programming features of PHP
5. develop interactive website using forms and PHP script
6. design and develop data driven website using MySQL DBMS and PHP

Basic Text & Reference Books:

1. PHP - A Beginner's guide, Vikram Vaswani, TMH 2009
2. Web enabled commercial application development using HTML, Javascript, DHTML and PHP by Ivan Bayross, BPB Publication.
3. Beginning PHP5 By Dave Mercer, Allan Kent, Steven Nowicki, David Mercer, Dan Squier, Wankyu Choi, Wrox Publication
4. Professional PHP by Castagnetto Jesus, Shroff Publication