

COURSE CODE	COURSE TITLE	L	T	P	C
1152CS303	PROGRAMMING WITH PHP	0	0	4	2

Course Category: Program Elective

A. Preamble :

This course provides basic concepts about PHP, Database connectivity and advanced PHP programming skills. Use PHP and MySQL to develop dynamic web sites for user on the Internet. This course will help to develop web sites ranging from simple online information forms to complex e-commerce sites. After successful completion of this course learners can be able to develop web applications.

B. Prerequisite Courses:

SI No	Course Code	Course Name
1	1151CS117	Programming in Java
2	1151CS202	Internet Programming

C. Related Courses:

SI No	Course Code	Course Name
1	1156CS601	Minor Project
2	1156CS701	Major Project

D. Course Educational Objectives :

Learners are exposed to

- Understand the general concepts of PHP scripting language for the development of Internet websites.
- Understand the basic functions of MySQL database program.
- Develop simple applications programs and web applications.
- Design and implement a Mini projects using the learned techniques.

E. Course Outcomes :

Upon the successful completion of the course, learners will be able to

CO Nos.	Course Outcomes	Level of learning domain (Based on revised Bloom's taxonomy)
CO1	Demonstrate the basics of PHP programming Fundamentals.	S3
CO2	Solve programs using control structures, arrays, functions and debug script.	S3
CO3	Develop forms and Database connectivity using MySQL.	S3
CO4	Implement the ability to post and publish a PHP website	S3
CO5	Develop web applications in PHP	S3

F. Correlation of COs with POs:

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1.	L				L			L	L				L	L	L
CO2.	L		L		M			L	L				L	L	L
CO3	L	M	M		H			H	H	M	H	M	L	H	M
CO4					L			L	L				L	L	L
CO5	L	M	H	M	H			H	H	M	H	M	L	H	H

H- High; M-Medium; L-Low

G.Course Contents**List of Experiments**

1. Develop PHP programs based on fundamentals and Control loops
2. Develop PHP programs based on strings, Arrays
3. Develop PHP programs based on functions, Class and objects.
4. (a)Write a simple PHP program to check that emails are valid.
(b)Form parsing in PHP.
(c)PHP Store Form Data Into Database (HTML)
5. Develop a PHP program sending an E-mail
6. (a)Handling Files and Directories
(b)Develop PHP Custom Search engine
7. Building MYSQL Queries, complex Queries
8. Develop User Authentication scripts
9. Create an Online product Catalogue Application
10. Develop shopping cart application
11. Develop website for an Organization
12. Develop Website for Tourism

Total: 60 Hours

H. Learning Resources:**i. Text Books:**

1. PHP CookBook, David Sklar & Adam Trachtenberg, O'reilly.
2. PHP A Beginners Guide , VikramVaswani, Tata Mcgraw Hill.
3. Beginning PHP6, Apache, MySQL Web Development ,WROX

ii. References:

1. PHP: The Complete Reference , Stephen Holzner
2. Mastering PHP, 1 Ed by Webtech Sol., Khanna Publishing, 2012
3. PHP and MYSQL Web development All-in-One Desk Reference For Dummies ,John Wiley & Sons
4. PHP Professional Projects, Prentice Hall of India, 2002.

iii. Online Resources:

1. <https://www.coursera.org/learn/web-applications-php>
2. <https://www.udemy.com/learn-advanced-php-programming/>
3. <http://W3resource.com/>
4. <http://www.ptutorial.com/>