



SANATAN DHARMA COLLEGE, AMBALA CANTT

College with Potential for Excellence, UGC, New Delhi
NAAC Accredited Grade "A+" with CGPA 3.51 in 3rd cycle
ISO 9001:2015 & ISO 14001:2015 Certified



Department of Computer Science Lesson Plan (Session 2022-2023)

Class: BVSD-24

Sem: II

Course Code: 24

Nomenclature: Computer and Programming Fundamentals

Dates: 2 Feb, 2023- 14 May, 2023

SYLLABUS

BVSD-24 Web Programming – PHP

Maximum Marks: 100

Time: 3 hours

External: 80

Internal: 20

Note: Examiner will be required to set Nine Questions in all. First Question will be compulsory, consisting of objective type/short-answer type questions covering the entire syllabus. In addition to that eight more questions will be set, two questions from each Unit. A candidate will be required to answer five questions in all, selecting one question from each unit in addition to compulsory Question No. 1. All questions will carry equal marks.

Unit I

Introduction: Introduction to www, History, Understanding Client/Server Roles, Apache, PHP, My SQL, XAMPP Installation.

PHP Fundamentals: PHP Basic Syntax, PHP Data Type, PHP Variables, PHP Constants, PHP Expressions, PHP Operators, PHP Control Structures, PHP Loops.

Unit II

PHP Arrays: PHP Enumerated Arrays, PHP Associative Arrays, Array Iteration, PHP Multidimensional Arrays, Arrays Functions.

PHP Function: PHP Functions, Syntax, Arguments, Variables, References, Pass by Value & Pass by References, Return Value, Variable Scope, PHP include(), PHP require().

Unit III

PHP Forms: PHP Form Handling, PHP GET, PHP POST, PHP Form Validation, PHP Form Sanitization.

PHP Cookies & PHP Sessions: PHP Cookies Handling, PHP Session Handling, PHP Login Session, Managing user ACL.

PHP Strings Handling: Strings and Patterns, Matching, Extracting, Searching Replacing, Formatting, PCRE.

Unit IV

Database Basics, Indexes, PHP MyAdmin, Connect & P-connect, My SQL Create, My SQL Insert, My SQL Select, My SQL Update, My SQL Delete, My SQL Truncate, My SQL Drop. Connectivity of PHP with My SQL.

TEXT BOOKS:

- Holzner Steven, The Complete Reference PHP, Mc-Graw Hill Professional, 2008
- Balagurusamy E., Programming in C#, Tata Mc-Graw Hill, 2010

Course Outcomes

After the completion of this course, prospective Computer professionals will have the ability to

CO No.	Course Outcomes
CO-1	Understand how server-side programming works on the web.
CO-2	How to make your pages dynamic based upon user interaction,interacting with HTMLforms and store and retrieve information from local data sources which include a database.
CO-3	Be able to use the HTML programming language.
CO-4	Resolves written HTML codes.
CO-5	Understand the principles of creating an effective web page,including an in-depthconsideration of information architecture.
CO-6	Outline the principles behind using MySQL as a backendDBMS with PHP

S.No	Instructional Technique	Assessment Methods (AM)
1	Chalk & Talk	Assignments
2	ICT tools	Quiz
3	Group discussions	Group Discussions
4	Industrial visit	Oral Tests
5	Case studies	Sessional
6	Small Projects	Presentations
7	Workshop	Seminar
8	Spoken Tutorials	University Exams
9	Flipped Class	
10.	E-Resources	

Date	Topics to be covered	Instructional Technique	Assessment Method
02.02.2023	Introduction to www, History	1	1,2,3,4
03.02.2023	Understanding Client/Server Roles	1	1,2,3,4
04.02.2023	Apache, PHP, My SQL, XAMPP Installation.	1	1
05.02.2023	SUNDAY		
09.02.2023	PHP Basic Syntax, PHP Data Type	2-(PPT/Projector)	1,2,3,4
10.02.2023	PHP Variables, PHP Constants	2-(PPT/Projector)	1,2,3,4
11.02.2023	REVISION		
12.02.2023	SUNDAY		
16.02.2023	PHP Expressions, PHP Operators	2-(PPT/Projector)	1,2,3,4
17.02.2023	PHP Expressions, PHP Operators	1	1
18.02.2023	Type Conversion	1	1,2,3,4
19.02.2023	SUNDAY		
23.02.2023	PHP Control Structures, PHP Loops.	2-(PPT/Projector)	1,2,3,4
24.02.2023	PHP Control Structures, PHP Loops.	2-(PPT/Projector)	1,2,3,4
25.02.2023	PHP Control Structures, PHP Loops.	2-(PPT/Projector)	1,2,3,4
26.02.2023	SUNDAY		
02.03.2023	PHP Arrays: PHP Enumerated Arrays, PHP Associative Arrays, Array Iteration, PHP Multidimensional Arrays, Arrays Functions.	2-(PPT/Projector)	1,2,3,4
03.03.2023	PHP Arrays: PHP Enumerated Arrays, PHP Associative Arrays, Array Iteration, PHP Multidimensional Arrays, Arrays Functions.	8,10,2	1,2,3,4,
04.03.2023	PHP Arrays: PHP Enumerated Arrays, PHP	8,10,2	1,2,3,4,

	Associative Arrays, Array Iteration, PHP Multidimensional Arrays, Arrays Functions.		
05.03.2023	SUNDAY		
16.03.2023	PHP Function: PHP Functions, Syntax, Arguments, Variables, References, Pass by Value & Pass by References, Return Value, Variable Scope, PHP include(), PHP require().	6	1,2,3,4
17.03.2023	PHP Function: PHP Functions, Syntax, Arguments, Variables, References, Pass by Value & Pass by References, Return Value, Variable Scope, PHP include(), PHP require().	1	6
18.03.2023	PHP Function: PHP Functions, Syntax, Arguments, Variables, References, Pass by Value & Pass by References, Return Value, Variable Scope, PHP include(), PHP require().	1	6
19.03.2023	SUNDAY		
23.03.2023	HOLIDAY		
24.03.2023	REVISION		
25.03.2023	CLASS TEST		
26.03.2023	SUNDAY		
30.03.2023	HOLIDAY		
31.03.2023	PHP Forms: PHP Form Handling, PHP GET, PHP POST, PHP Form Validation, PHP Form Sanitization.	6	1,2,3,4
01.04.2023	PHP Forms: PHP Form Handling, PHP GET, PHP POST, PHP Form Validation, PHP Form Sanitization.	6	1,2,3,4
02.04.2023	SUNDAY		

06.04.2023	PHP Cookies & PHP Sessions: PHP Cookies Handling, PHP Session Handling, PHP Login Session, Managing user ACL.	2-(PPT/Projector)	1,2,3,4
07.04.2023	PHP Cookies & PHP Sessions: PHP Cookies Handling, PHP Session Handling, PHP Login Session, Managing user ACL.	2-(PPT/Projector)	1,2,3,4
08.04.2023	PHP Strings Handling: Strings and Patterns, Matching, Extracting, Searching Replacing, Formatting, PCRE.	2-(PPT/Projector)	1,2,3,4
09.04.2023	SUNDAY		
13.04.2023	Revision		
14.04.2023	HOLIDAY		
15.04.2023	PHP Strings Handling: Strings and Patterns, Matching, Extracting, Searching Replacing, Formatting, PCRE.	9,10	1,2,3,4
16.04.2023	SUNDAY		
20.04.2023	Revision		
21.04.2023	Database Basics, Indexes, PHP MyAdmin,	2-(PPT/Projector)	1,2,3,4
22.04.2023	Holiday		
23.04.2023	SUNDAY		
27.04.2023	Connect & P-connect	2-(PPT/Projector)	1,2,3,4
28.04.2023	My SQL Create, My SQL Insert, My SQL Select,	2-(PPT/Projector)	1,2,3,4
29.04.2023	My SQL Update, My SQL Delete, My SQL Truncate, My SQL Drop	2-(PPT/Projector)	1,2,3,4
30.04.2023	SUNDAY		
04.05.2023	Connectivity of PHP with My SQL.	2-(PPT/Projector)	1,2,3,4
05.05.2023	EXAMPLES	2-(PPT/Projector)	1,2,3,4
06.05.2023	Revision		
07.05.2023	SUNDAY		

11.05.2023	Revision		
12.05.2023	Revision of Previous Years Question Papers		
13.05.2023	Revision of Previous Years Question Papers		
14.05.2023	SUNDAY		

	Teacher Incharge	Head of the Department
Name	Arti Sachdeva	Dr. Girdhar Gopal
Sign with Date		