

VERSION

2

CRASH COURSE

SR. CODE

EAPL/CRASH/CRTC04

COURSE CODE

EACPH

SUB CATEGORY

SOFTWARE DEVELOPMENT



TOTAL DURATION

45
HOURS



THEORY TAKEN

15
HOURS



PRACTICAL TAKEN

30
HOURS

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CORE PHP
COURSE

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**CORE PHP
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CORE PHP

COURSE DESCRIPTION



The Core PHP course provides a comprehensive foundation in PHP programming language, covering topics such as syntax, variables, control structures, functions, and arrays. Participants will gain practical experience in building dynamic web applications using PHP, while learning essential concepts such as form handling, database integration, and session management.

COURSE GOALS



The goal of the Core PHP course is to equip participants with the skills and knowledge needed to develop robust, scalable web applications using PHP. By the end of the course, participants will be proficient in PHP programming, capable of building dynamic websites and web applications.

FUTURE SCOPE



Proficiency in Core PHP opens doors to diverse career opportunities, including roles such as PHP developer, web developer, and software engineer. With the increasing demand for web applications, PHP developers can expect a promising job market and opportunities for career growth and advancement in the tech industry.

01

CHAPTER

INTRODUCTION TO PHP

1. Getting started with PHP

- a. What is PHP?
- b. Why PHP?
- c. What can PHP do?
- d. How PHP works
- e. Advantages of using PHP
- f. Websites that uses PHP

2. PHP Software Requirements

- a. Download Xampp/LAMP/WAMP/MAMP
- b. Install Xampp on windows
- c. Troubleshooting
- d. Coding standards
- e. Basic syntax
- f. Comments

3. PHP Fundamentals

- a. Variables
 - Variable scope
 - \$ and \$\$ Variables
 - Super global Variables
 - Var_dump
 - Swap Two Numbers
- b. Constants
 - Magic constants
 - Echo and Print
 - Data Types



04
HOUR



07
HRS

c. Operators

- Arithmetic Operator
- Assignment Operator
- Comparison Operator
- Logical Operator

4. Control Structures

a. Conditional Statements

- If statement
- If-else statement
- If-else if-else statement
- Switch Statement

b. Loop Statements

- while Loop
- do-while Loop
- for Loop
- for-each loop

c. Jump Statements

d. Break statements

e. Continue statements

02

CHAPTER

BEGINNER LEVEL PHP

1. Functions

- a. PHP Functions
- b. Parameterized Function
- c. Call by reference
- d. Call by Value
- e. Default Arguments
- f. Variable Arguments
- g. Recursive functions

2. Arrays

- a. PHP Array
- b. Indexed Array
- c. Associative Array
- d. Nested Array
- e. Array Iterators
- f. PHP CAPTCHA
- g. Recursive function

3. String

4. Numeric functions

5. isset function

6. Php math

7. Working with Date & Time



03
HRS



07
HRS

03

CHAPTER

OBJECT ORIENTED

1. Class and Objects

a. What is OOPs

b. Class and objects

- Creating a simple class
- Creating an object
- Creating and accessing Properties
- Creating and accessing Constants
- Creating and accessing methods
- This keyword
- Constructors
- Initial parameter passing
- Inheritance
- Private and Protected Properties
- Static Properties and methods

2. Advanced Object Oriented

a. Polymorphism

b. Encapsulation

c. Multiple Constructor, Destructor

d. Final Keyword

e. Interfaces

f. Abstract Classes



03
HRS



07
HRS

04

CHAPTER

IMPLEMENTING FORMS

1. PHP Form Basics

- a. Why Forms Must
- b. How Forms Works
- c. GET vs POST
- d. Form Data and PHP
- e. Simple Registration

2. Processing Form data

- a. Introduction
- b. Form Data Workflow
- c. Never Trust User Inputs
- d. Text Fields
- e. Check Boxes and Radio Buttons
- f. Selection Lists
- g. Buttons
- h. Image Buttons
- i. More Form Fields

3. Form Validations

- a. Introduction
- b. Validation Types
- c. Validating Forms
- d. Displaying error Messages
- e. Prefilling Text Fields
- f. Prefilling Checkboxes and Radio Buttons
- g. Prefilling Lists
- h. Finalize the code



02
HRS



06
HRS

05

CHAPTER

WORKING WITH DATABASES

- 1.PHP and MariaDB
- 2.Configuring PDO for PHP
- 3.Introduction
- 4.Reading Data
- 5.Updating Data
- 6.Deleting Data



01
HRS



05
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