

Unit 1: Introduction to PHP & MySQL

- Basic Knowledge of websites
- Introduction of Dynamic Website
- Introduction to PHP
- XAMPP and WAMP Installation

Unit 2: HTML, CSS

- Markup Languages
- Structure of HTML
- Basic HTML Tags
- Advanced HTML Tags
- Introduction to Doc Types Web Design with CSS
- Introduction to Cascading Style Sheets
- Types of Style Sheets
- Types of CSS Selectors

Unit 3: PHP Programming Basics

- Syntax of PHP
- Embedding PHP in HTML
- Embedding HTML in PHP
- Introduction to PHP Variable
- Understanding Data Types
- Using Operators
- Writing Statements and Comments
- Using Conditional Statements
- If(), else if() and else if condition Statement
- Switch() Statements
- Using the dowhile,while() Loop
- Using the for() Loop

Unit 4: PHP Functions

- PHP Functions
- Creating an single and multidimensional Array
- Modifying Array Elements
- Processing Arrays with Loops
- Grouping Form Selections with Arrays
- Using Array Functions
- Using Predefined PHP Functions
- Creating User-Defined Functions

Unit 5: PHP Advanced Concepts

- Reading and Writing Files
- Reading Data from a File
- Managing Sessions and Using Session Variables
- Creating a Session and Registering Session Variables
- Destroying a Session
- Storing Data in Cookies
- Setting Cookies
- Dealing with Dates and Times
- Executing External Programs

Unit 6: Introduction to Database - MySQL Database

- Understanding an RDBMS
- Understanding an SQL Statements
- Understanding a Relational Database
- Introduction to MySQL Database
- Understanding Tables, Records and Fields
- Understanding Primary and Foreign Keys
- Understanding SQL and SQL Queries
- Understanding Database Normalization
- Understanding Joins

Unit 7: Working with MySQL Database & Tables

- Creating MySQL Databases
- Creating Tables
- Introduction to MySQL Database
- Selecting the Most Appropriate Data Type
- Adding Field Modifiers and Keys
- Selecting a Table Type
- Understanding Database Normalization
- Altering Table and Field Names
- Altering Field Properties
- Backing Up and Restoring Databases and Tables
- Dropping Databases and Table Viewing Database, Table, and Field Information

Unit 8: SQL and Performing Queries

- Inserting Records
- Editing and Deleting Records
- Performing Queries
- Retrieving Specific Columns
- Filtering Records with a WHERE Clause
- Using Operators
- Limiting Results
- Using Built-In Functions
- Grouping Records
- Joining Tables
- Using Table and Column Aliases

Unit 9: Working with PHP & MySQL

Managing Database Connections

- Processing Result Sets
- Queries Which Return Data
- Queries That Alter Data
- Handling Errors

Unit 10: Java Script

- Introduction to Java Script
- Variables, operators, loops
- Using Objects, Events
- Common java script functions
- Java Script Validations

Unit 11: AJAX

- AJAX Basic
- AJAX HOME
- AJAX Intro
- AJAX Example

AJAX Advanced

- AJAX PHP
- AJAX Database
- AJAX XML File
- AJAX Examples

Unit 12: PHP Project

Project Discussion

- Requirements analysis of Project
- Project code Execution
- Project Testing

Unit 13: PHP OOPS concepts

Unit 14: Session & cookies

Unit 15: PHP forms