

# Woaseue Training

**Course Name : Web Design & Development**

**Course Duration – 2 Months**

**Total Class - 60**

## Course Description :

### PHP

### Web Design Layout [Here](#)

#### **1. Introduction**

- Static vs. Dynamic websites
- Web2.0
- Client and Server HTTP Communication
- Where PHP does fits
- Web development technology stack – PHP, MySQL, CSS, JavaScript
- XAMPP VS MAMP
  - Installation
  - Testing the Installation

#### **2. Programming Fundamental**

- What is programming?
- Introduction to PHP
- code block `<?php ?><? ?><?= ?>` short circuit directive
- php.ini
- Comments // # and /\*\*/
- Error reporting

#### **3. Variables**

#### **4. echo / print / dump**

#### **5. Data types**

#### **6. Expressions**

#### **7. Operators**

#### **8. Programming constructs**

- include/ require
- Conditional statements – if, else, if else, switch, ternary logic
- break, continue, declare

#### **9. Loop**

- For Loop
- While Loop
- For each Loop

#### **10. Arrays**

#### **11. Forms Processing**

- GET
- POST
- SERVER
- FILE

#### **12. Object Oriented PHP**

- Class
- Object
- Instantiating the object
- Class members and access specifiers

#### **13. MySQL PDO**

- Connection Strings
- Statements
- Prepared Statements
- Result set

### MySQL, Database

#### **1. Introduction of Database**

- Data model
- Relational Model
- Relational Keys
- Integrity Constraints

#### **2. Introduction of MySQL**

- Why MySQL?
- Working with MySQL Using PhpMyadmin
- Installation
- Types of tables
- Datatypes and attributes
- Security
- Users

#### **3. SQL: DDL**

- CREATE
- ALTER
- DROP
- TRUNCATE

#### **4. SQL: DML**

- INSERT
- UPDATE
- DELETE
- SELECT

#### **5. SQL: DCL**

- COMMIT
- ROLLBACK

#### **6. JOIN**

#### **7. SUBQUERY**

**Course Fee**

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**TK 12000**

***NB: The certificate is approved by the Government of Bangladesh.***