Syllabus on

**Web Development Using PHP & MySQL**

**[120 hrs]**

**National Academy for Computer Training and Research (NACTAR)**

**Bogra**

**National Academy For Computer Training & Research (NACTAR)**

Ministry of Education

Post Box No-52, Bogra, Bangladesh

**Web Development Using PHP & MySQL**

**Number of Classes: 40 days**

**Class Time: 3 hours daily, Total Hours = 120 hours**

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| **Day** | **Contant** | **Hrs** |
| 01 | **# PHP Fundamental Topic**   * Introduction of PHP * What can PHP do * What do I need of PHP | **3hrs** |
| 02 | * PHP Install and set up personal web server with XAMPP * PHP Syntax * Show Output in PHP with Echo / Print Function | **3hrs** |
| 03 | * Declaring PHP Variables * PHP Data types * PHP constants * PHP Operator | **3hrs** |
| 04 | * PHP Conditional Statements ( if , if... if else..else, switch ) | **3hrs** |
| 05 | * PHP Loop (for loop, while loop, do while loop, foreach loop) | **3hrs** |
| 06 | * User-defined functions * Function arguments * Returning values * Internal (built-in) functions * Anonymous functions | **3hrs** |
| 07 | What is an Array?PHP Indexed ArraysPHP Associative ArraysPHP Multidimensional Arrays | **3hrs** |
| 08 | * PHP Superglobals * PHP Sessions,PHP Include and require Function * Working in Form with php | **3hrs** |
| 09 | **# SQL Fundamental Topic**   * SQL Introduction * SQL syntax * SQL Create Database and Table | **3hrs** |
| 10 | * SQL Drop Database and Table * SQL Alter Table * SQL Auto Increment, primary key, Foreign key, Unique | **3hrs** |
| 11 | * SQL insert, select, update, delete Statement * SQL Distinct, Where, And, Or, Not, Null Operator | **3hrs** |
| 12 | * SQL Min, Max, Count, Avg, Sum, In Operator * SQL Between, Like, wildcards, OrderBy, Group By Operator | **3hrs** |
| 13 | * SQL join, left join, Right join, Inner Join, Having Operator | **3hrs** |
| 14 | **# PHP CRUD System with MySQLi**   * Create Html Form * Connection with Database | **3hrs** |
| 15 | * Insert Data in Database * Select DAta from Database | **3hrs** |
| 16 | * Update Data in Database * Delete Data from Database | **3hrs** |
| 17 | **# Student Registration System with PHP and MySQLi**   * Setup initial files & folders * Design Index Page, Design Registration Page | **3hrs** |
| 18 | * Design Login Page, Database Connection * Registration Form Validation,User Registration | **3hrs** |
| 19 | * Student Login Mechanism, Session Mechanism | **3hrs** |
| 20 | * Logout & Student Access, Showing members & create Profile * Update Student Profile,Update User Password, Change Password Mechanism | **3hrs** |
| 21 | **# Create dynamic Blog website with PHP and MySQLi**   * Initial Setup, Database Creation, Page Segment Create * Showing Posts in Blog Page, Blog Pagination System | **3hrs** |
| 22 | * Showing Post Details, Showing Posts By Category * Adding Search Functionality, Dynamic Admin Template | **3hrs** |
| 23 | * Creating Session Class, Admin Login Authentication | **3hrs** |
| 24 | * Admin Logout Option, Showing Categories in Admin panel | **3hrs** |
| 25 | * Add Categories From Admin Panel,Update Categories From Admin Panel * Delete Categories From Admin Panel, Add Posts From Admin Panel | **3hrs** |
| 26 | * Showing Posts in Admin Panel, Showing Posts in Edit Page * Update Post with Condition, Delete Posts From Admin Panel | **3hrs** |
| 27 | * Update Logo, Title, Slogan, Update Social Media Option * Update Copyright Option Adding Meta Keywords/Tags to Individual Post | **3hrs** |
| 28 | * Add User to Assign Role, Update User Profile * Display/Showing User List, View User Details | **3hrs** |
| 29 | * User Roles and Permissions, Role Based Access Control | **3hrs** |
| 30 | **Project Submission** | **3hrs** |