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** |