QUICKSTEP COMPUTER CENTER

National Accreditation Board of Education Training.
(NABET)- Quality council of India) An ISO 9001:2008

PHP Syllabus

PHP

❖ Introduction to PHP

- ✓ Evaluation of Php
- ✓ Basic Syntax
- ✓ Defining variable and constant
- ✓ Php Data type
- ✓ Operator and Expression

❖ Handling Html Form With Php

- ✓ Capturing Form Data
- ✓ Dealing with Multi-value filed
- ✓ Generating File uploaded form
- ✓ Redirecting a form after submission

❖ Decisions and loop

- ✓ Making Decisions
- ✓ Doing Repetitive task with looping
- ✓ Mixing Decisions and looping with Html

❖ Function

- ✓ What is a function
- ✓ Define a function
- ✓ Call by value and Call by reference
- ✓ Recursive function

❖ String

✓Creating and accessing String
✓Searching & Replacing String
✓Formatting String
✓String Related Library function

Array

Anatomy of an Array
Creating index based and Associative array
Access®ing array Ele
✓Looping with Index based array
Looping with associative array using each() and foreach()
✓ Some useful Library function

Working with file and Directories

✓Understanding file& directory
✓Opening and closing a file
✓Coping ,renaming and deleting a file
✓Working with directories
✓Building a text editor
✓File Uploading & Downloading

Statemanagement

✓Using query string(URL rewriting)
✓Using Hidden field
✓ Using cookies
✓Using session

❖ String matching with regular expression

✓What is regular expression
✓Pattern matching in Php
✓Replacing text
✓Splitting a string with a Regular Expression

❖ Generating Images with PHP

- ✓ Basics of computer Graphics
- ✓ Creating Image
- ✓ Manipulating Image
- ✓ Using text in Image

❖ Advance PHP

Introduction to OOPS

- ✓ Introduction
- ✓ Objects
- ✓ Declaring a class
- ✓ The new keyword and constructor
- ✓ Destructor
- ✓ Access method and properties using $this variable
- ✓ Public ,private, protected properties and methods
- ✓ Static properties and method
- ✓ Class constant
- ✓ Inheritance & code reusability ✓ Polymorphism
- ✓ Parent:: & self:: keyword
- ✓ Instanceof operator
- ✓ Abstract method and class
- ✓ Interface
- ✓ Final

❖ Exception Handling

- ✓ Understanding Exception and error
- ✓ Try, catch, throw

❖ Database Connectivity with MySql

- ✓ Introduction to RDBMS
- ✓ Connection with MySql Database
- ✓ Performing basic database operation(DML) (Insert, Delete, Update, Select)

✓Setting query parameter
✓Executing query
✓Join (Cross joins, Inner joins, Outer Joins, Self joins.)

➕**Web Designing**

❖ HTML

✓Introduction to HTML
✓HTML Tags
✓Creating Forms
✓Creating tables
✓Managing home page

❖CSS

✓Introduction to CSS
✓Three ways to use CSS
✓CSS Properties
✓Designing website
✓Working with Templates

❖Java Script

✓Introduction to Javascript
✓Three ways to use Javascript
✓Working with events
✓ Client-side Validatio
✓ Introduction to JQuery
✓Validation using JQuery
✓JQuery Forms
✓JQuery Examples

❖AJAX

✓Introduction to AJAX

✓PHP with AJAX
✓Working with database

❖ Understanding Controller

✓Request & Response Parameter
✓Controller Action
✓Request Life Cycle callbacks
✓Controller method
✓Redirection
✓Working with component

❖ Understanding Model

✓Creating Model for Database Table
✓Retrieving Data Using Model
✓Method for all Basic CURD(Create ,Read, Update, Delete)
✓Create own Model method
✓ Making custom SQL Queries
✓Data Validation

❖ Understanding ORM(Object Relational Mapping)

✓Working with Simple association
✓one?to-one
✓one-to-many ✓
many-to-many

❖View

✓Working with layout
✓Create custom Layout
✓Working with Helper class
✓Creating and using user define Helper
✓Working with element