Web Design and Development Course Contents (PHP / M YSQL)

COURSE COVERS:

- HTML 5 CSS 3
- JAVASCRIPT
- JQUERY
- BOOTSTRAP 3 PHP 5.5
- MYSQL

SYLLABUS

HTML5

Introduction to HTML

- ➢ Introduction to Internet
- ➢ HTML Basics
- ➢ HTML Elements
- ➢ HTML Attributes
- ➢ HTML Syntax

- HTML Headings
- HTML Paragraphs
- HTML Styles
- HTML Formatting
- HTML Links
- HTML Images
- HTML Responsive
- HTML Entities

- HTML Tables
- HTML Forms
- HTML5 API
- HTML5 Canvas
- HTML5 SVG
- HTML5 Data Storage
- HTML5 Audio and Video
- HTML Offline Applications
- HTML Geo-location
- HTML Web Workers
- HTML5 Web sockets
- HTML5 Messaging API
- HTML5 Working with Drag and Drop

CSS3

Introduction to CSS

- CSS Introduction
- CSS Syntax
- CSS Text
- CSS Backgrounds
- CSS Fonts
- CSS Links
- CSS Lists
- CSS Tables
- CSS Box Model
- CSS Margins, Dimensions, Display

- CSS Rounded Corners
- CSS Border Images
- CSS Backgrounds
- CSS Colors
- CSS Animations
- CSS Responsive Web Design- Introduction
- CSS Responsive Web Design- Viewport
- CSS Responsive Web Design- Media

• CSS Navigation Bar • CSS Attribute Selectors	Queries • CSS Responsive Web Design- Images • CSS Responsive Web Design- Videos • CSS Responsive Web Design

Javascript / JQuery

Introduction to JavaScript

• JavaScript Introduction • JavaScript Output • JavaScript Variables • JavaScript Operators • JavaScript Arithmetic • JavaScript DataTypes • JavaScript Assignment • JavaScript Functions • JavaScript Objects • JavaScript Scope • JavaScript Events • JavaScript Strings and String Methods • JavaScript Numbers and Number Methods • JavaScript Math	• JavaScript Dates: Formats and Methods • JavaScript Booleans • JavaScript Comparisons • JavaScript Conditions • JavaScript Switch • JavaScript Loops • JavaScript Break • JavaScript Type • JavaScript Forms (API and Validation) • JavaScript Objects • JavaScript Functions • JavaScript DOM • JavaScript Browser BOM • JavaScript Frameworks

Javascript / JQuery

Introduction to JQuery

➢ JQuery Introduction
➢ JQuery Syntax
➢ JQuery Selectors
➢ JQuery Events
➢ JQuery Effects
    • JQuery Hide/Show
    • JQuery Fade
    • JQuery Slide()
    • JQuery Animate
    • JQuery Stop()
    • JQuery Callback
    • JQuery Chaining
 	
➢ JQuery AJAX
    • JQuery AJAX Introduction
    • JQuery Load
    • JQuery Get/Post
	➢ JQuery HTML
	    • JQuery Get
	    • JQuery Set
	    • JQuery Add
	    • JQuery Remove
	    • JQuery CSS Cla sses
	    • JQuery css()
	    • JQuery Dimen sions
	
	➢ JQuery Traversing
	    • JQuery Traver sing
	    • JQuery Ancestors
	    • JQuery Descen dents
	    • JQuery Sibling s
	    • JQuery Filtering

Bootstrap

Introduction to Bootstrap

- ➢ Bootstrap Introduction
- ➢ Bootstrap Components
- ➢ Bootstrap Plugins
- ➢ Bootstrap Grids
- ➢ Bootstrap JS

PHP

Introduction to PHP

- ➢ PHP Introduction
  - Installing PHP
  - PHP Syntax
  - PHP Variables
  - PHP Data Types
  - PHP Strings
  - PHP Constants
  - PHP Operators
  - PHP Programming Loops
  - PHP Functions
  - PHP Arrays
  - PHP Superglobals

- ➢ PHP Forms and XML
  - PHP Form Handling
  - PHP Form Validation (Serve r side)
  - PHP Required
  - PHP XML Parsers
  - PHP SimpleXML Parser
  - PHP SimpleXML Get
  - PHP XML DOM
  - PHP XML Expat

- ➢ PHP with Mysql
  - PHP Mysql Data base
  - PHP Connecting to Database
  - PHP Creating Records
  - PHP Selecting Records
  - PHP Deleting Records
  - PHP Updating Records
  - PHP Limit Data
  - PHP Insert Multiple

- ➢ AJAX with PHP
  - AJAX Introduction
  - AJAX PHP
  - AJAX Database
  - AJAX XML
  - AJAX Live Search
  - AJAX RSS Reader

MySQL

Introduction to MySQL

- ➢ MySQL Introduction
- ➢ MySQL Administration
- ➢ MySQL Installation
- ➢ Understanding SQL

- ➢ SQL Syntax
  - SQL Select, Select TOP
  - SQL Distinct
  - SQL Where
  - SQL And & OR
  - SQL Order BY
  - SQL Insert Into
  - SQL Update
  - SQL Delete
  - SQL LIKE
  - SQL WildCards
  - SQL In
  - SQL Between
  - SQL Aliases
  - SQL Joins
  - SQL Create DB
  - SQL Keys (Primary Key, Foreign Key)
  - SQL Create Index

- ➢ SQL Functions
  - Avg()
  - Count()
  - First()
  - Last()
  - Max()
  - Min()
  - Sum()
  - Group By
  - Having
  - UCase()
  - LCase()
  - Mid()
  - Len()
  - Round()
  - Now()
  - Format()