



Website Design&Development

HTML

Course Duration:40 days

Introduction to HTML

Introduction to stateless and statefull protocols

HTML 5 Tags

Creating Forms

Web Browsers and server

Managing home page

Introduction to Domain and Hosting

CSS

Introduction to CSS

Three ways to use CSS

CSS Properties

Designing website

Working with Templates

Introdution to scripting language

Java Script

Introduction to Javascript

Three ways to use Javascript

Working with events

Client-side Validation

AJAX

Introduction to AJAX
PHP with AJAX
Working with database
Understanding Model

Creating Model for Database Table

Retrieving Data Using Model
Method for all Basic CRUD
Create own Model method
Making custom SQL Queries

Core 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 Multivalue filed
Generating File uploaded form
Redirecting a form after submission

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

Accessing array Element

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

Manipulating Images with PHP

Basics of computer Graphics

Manipulating 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

Instance of 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)
Introduction to content management systems for web development
Wordpress

File Transfer Clients and Domain Registration

SEO/SMO & Digital marketing tools and strategy

Social media optimization
Creating backlinks
URL Redirection
Sitemap
Domain trust
Server location
Mobile optimized site
Google Search Console integration
Introduction to SMTP and email

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