

Full Stack Web Development Program

No. of Classes: 30

Duration: 90 Hours

Designing Language: HTML5, CSS3

Designing Framework: Bootstrap 4.4

Structured Query Language: MySQL

Programming Language: PHP 7.3

PHP Framework: Laravel 6.0

MODULE 1 – Basic HTML5

Day 1/ Learning the Basics of Web Technology & HTML5

1	Discussion about - Web Designing, Web Development, Software Development.
2	Basic Discussion on - Domain, Hosting, Server, Programming Language, Designing Language, Structured Query Language, Framework, CMS.
3	Introduce with coding environment(NotePad++, Sublime Text, PHPStorm)
4	How to use Local Server Application (XAMPP, WAMP, LAMP, MAMP)
5	Discuss about HTML 5 (Basic Structure, Tag, Element, Attribute, Comment)
6	Working with HTML5(Heading, Paragraph, List, Image, Link, Table, Media, Form, Meta, Div Element)

MODULE 2 – Practicing CSS3

Day 2/ Practicing Basic to Advance CSS3

1	How to and Where to CSS code, Comments in CSS, Converting Style Attribute to CSS
2	Idea about CSS types(Inline, Internal, External)
3	ID Selector, Class Selector, Grouping Selector, Link Stylesheet
4	Understanding the Concept of column, Layout
5	Designing Layout using CSS

MODULE 3 – Working With Bootstrap

Day 3/ Bootstrap Basic

1	Introduction Bootstrap, Why Bootstrap
2	Include bootstrap CDN, Create Master Template
3	How Grids work on Bootstrap, Bootstrap fixed Layout, Fluid Layout
4	Bootstrap Navbar, Bootstrap Table, Button Group

Day 4/ Bootstrap Component

1	Bootstrap Card and Bootstrap Form
2	Bootstrap Alert Media Object
3	Bootstrap Collapse & Accordion
4	Bootstrap Modal, Bootstrap Tab
5	Bootstrap Carousel

Day 5/ Bootstrap Layout

1	Designing Responsive Layout using Bootstrap
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Day 6/ Bootstrap Layout

1	Designing Responsive Layout using Bootstrap
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MODULE 4 – PHP (Basics to Advance)

Day 7/ Learning Basics of PHP

1	Setting Up a Development Server
2	Basic concepts on PHP - Syntax, Print / Echo
3	Data Types, Variables and Operators in PHP

Day 8/ Learning Fundamental Topics in PHP

1	If...Else...Else-If – Different conditional statements in PHP
2	Switch – PHP Switch Case
3	While loop, Do While Loop, For Loops and Foreach Loop – Practical implementation of Loop
4	Date – Use of Date functions and their Elements

Day 09/ Learning Advanced Topics in PHP

1	Arrays – Array Types
2	PHP Function
3	PHP Superglobal

Day 10/ Learning Cookie, Session

1	PHP Form Handling
2	Cookies – How to use Cookies in PHP

2	Sessions – Use of Session, Guideline about Login-Registration System
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Day 11/ Learning Object oriented PHP

1	OOP PHP Knowing details about Class and Object
2	Understanding Constructor and Destructor
3	Child Class and Inheritance
4	Encapsulation – Private, Public and Protected Data Type
5	Static Variable, Static Function
6	Magic Method - Call, Set and Autoload Function; Concept of NameSpace

Day 12/ Handling Database using MySQLi (Object Oriented Crud Part 1)

1	Connect to Database using PHP MySQLi Class
2	Select Data using PHP MySQLi Class
3	Insert Data in Database using PHP MySQLi Class; Get Last Insert ID;
4	Update Data in Database using PHP MySQLi Class

Day 13/ Handling Database using MySQLi (Object Oriented Crud Part 2)

1	Delete Data from Database using PHP MySQLi Class
2	Registration in PHP MySQLi Class
3	Login in PHP MySQLi Class

MODULE 5 – PHP Framework (Laravel)

Day 14/ Laravel Introduction

1	Laravel Overview
2	Development Environment

Day 15/ Laravel Fundamental

1	Laravel File Structure Overview
2	Routing

Day 16/ Working with Laravel Frontend

1	Blade Templates
2	Master Layout Setup
3	Some More Blade Feature
4	Compiling Asset

Day 17/ Laravel Fundamental (MVC & Other)

1	Controllers
2	Model
3	Views
4	Migration

Day 18/ Advanced Laravel CRUD

1	Advance CRUD Part 1
2	Advance CRUD Part 2

Day 19/ Advanced Laravel CRUD

1	Advance CRUD Part 3
2	Advance CRUD Part 4

Day 20/ Working with Laravel Security

1	Authentication
2	API Authentication
3	Authorization

MODULE 6 – Professional Real Life Project

Day 21-30/ Live Project

1	Requirement Analysis
2	Documentation Create
3	System Design
4	Database Design
5	Project Development
6	Testing
7	Server Configuration & Deployment
8	Final Exam