



WEB DEVELOPMENT COURSE MODULE

TOTAL CLASS: 40

Class # 01	Instructor's Signature :	Date :
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- ❖ Basic Concept of Website.
- ❖ Web Design & Web Development Tools.
- ❖ Difference Between Dynamic & Static Website.
- ❖ W3C Compatible Coding.
- ❖ Basic Concept-
 - HTTP - Hyper Text Transfer Protocol.
 - HTTPS - Hyper Text Transfer Protocol Secure.
 - SSL- Secure Sockets Layers
 - W3C– World Wide Web Consortium.
 - URL– Uniform Resource Locator.
 - FTP – File Transfer Protocol.
 - CMS – Content Management System.
 - SEO – Search Engine Optimization.
 - WAMP- Windows Apache MySQL PHP.
 - XAMPP- Cross Platform Apache Maria DB PHP and Perl
 - IDE- Integrated Development Environment.
- ❖ SEO Friendly Website Development.
- ❖ Basic Concept of Website Design.
- ❖ What is Responsive Website?
- ❖ What is Bootstrap?
- ❖ Bootstrap Coding Structure.

Class # 02	Instructor's Signature :	Date :
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- ❖ Bootstrap Base Layout Development.
- ❖ Bootstrap Grid System.
- ❖ Bootstrap Media Query.
- ❖ Bootstrap Layout Design.
- ❖ Admin Panel Design Concept.
- ❖ Bootstrap Components-
 - Form Design
 - Input Field
 - Table
 - Card
 - Pagination
 - Modal
 - Breadcrumb
 - Button Pattern etc.

Class # 03	Instructor's Signature :	Date :
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- ❖ What is JavaScript?
- ❖ Why Use JavaScript.
- ❖ How to Use JavaScript.
- ❖ Concept of JavaScript Library.
- ❖ Concept of JavaScript Framework.
- ❖ JavaScript Variable.
- ❖ Types of Variable.
- ❖ JavaScript Input and Output.
- ❖ JavaScript Build in Function.
- ❖ What is Function?
- ❖ Why Use Function.
- ❖ How to Declare JavaScript Function?
- ❖ JavaScript Data Types.
- ❖ JavaScript Operators.
- ❖ JavaScript Comments.
- ❖ JavaScript Statements.
- ❖ JavaScript Event List.

Class # 04	Instructor's Signature :	Date :
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- ❖ JavaScript Conditional Statements-
 - if
 - else
 - else if
 - switch
- ❖ JavaScript Loops-
 - for loop
 - while loop
 - do while loop

Class # 05	Instructor's Signature :	Date :
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- ❖ JavaScript Objects.
- ❖ JavaScript Object Property.
- ❖ JavaScript Object Method.
- ❖ JavaScript Object Constructors.
- ❖ What is Array?
- ❖ Why Use Array in JavaScript.
- ❖ Error Handling.

Class # 06	Instructor's Signature :	Date :
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- ❖ What is jQuery?
- ❖ Why Use jQuery.
- ❖ How to Use jQuery.
- ❖ jQuery Selectors.
- ❖ jQuery Events.
- ❖ jQuery Effects.
- ❖ jQuery Channing Methods.

Class # 07	Instructor's Signature :	Date :
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- ❖ What is jQuery Plugins?
- ❖ How to Use Plugins in Web Page?
- ❖ jQuery Form Validation Rules.
- ❖ JavaScript Form Validation.
- ❖ jQuery Form Validation.

Class # 08	Instructor's Signature :	Date :
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- ❖ What is PHP?
- ❖ Why Use PHP.
- ❖ How to Use PHP.
- ❖ What is Server?
- ❖ How to Install Server?
- ❖ PHP Latest Version Feature.
- ❖ Variable Declare.
- ❖ PHP Super Global Variable.
- ❖ PHP Coding Structure.
- ❖ PHP Build in Function.
- ❖ PHP Error Handling.
- ❖ PHP Comments.

Class # 09	Instructor's Signature :	Date :
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- ❖ Dynamic Website Making Policy.
- ❖ Admin Panel Making Policy.
- ❖ Convert HTML File to PHP.
- ❖ Admin Panel Dynamic in PHP.

Class # 10	Instructor's Signature :	Date :
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- ❖ What is Database?
- ❖ Why Use Database in Web Application.
- ❖ Why Best MySQL Database.
- ❖ How to Create Database.
- ❖ How to Connection Database in Web Application?
- ❖ What is PHP PDO?
- ❖ How to Use PHP PDO?
- ❖ What is Database Table?
- ❖ How to Create Table.
- ❖ How to Create Table Field?
- ❖ MySQL CRUD System.
- ❖ What is Primary Key?
- ❖ What is Foreign Key?
- ❖ Why Use Foreign Key.
- ❖ How to Secure Database and Table?

Class # 11	Instructor's Signature :	Date :
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- ❖ Why Use HTML Form Action Attribute.
- ❖ Why Use Method: POST/GET
- ❖ How to Insert Data in Database?



- ❖ How to Read/View all Data in Database Table.
- ❖ How to View Single Data in Database.
- ❖ How to Update Data in Database?
- ❖ How to Delete Data in Database?
- ❖ How to Search Data in Database?
- ❖ How to Upload Image in Database?
- ❖ How to Change Upload Image Name?

Class # 12	Instructor's Signature :	Date :
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- ❖ What is Session?
- ❖ Why Use PHP Session.
- ❖ What is Cookies?
- ❖ Why Use PHP Cookies.
- ❖ How to Use PHP Session?
- ❖ PHP Login System.
- ❖ PHP Authentication System Development.

Class # 13	Instructor's Signature :	Date :
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Dynamic Website Development Step by Step

Class # 14	Instructor's Signature :	Date :
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Dynamic Website Development Step by Step

Class # 15	Instructor's Signature :	Date :
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- ❖ What is OOP?
- ❖ Why Use OOP.
- ❖ Basic Concept of PHP OOP.
- ❖ OOP Access Modifier -
 - Public
 - Private
 - Protected
- ❖ Object Oriented Feature-
 - Properties
 - Methods
 - Class
 - Super Class
 - Sub Class
 - Objects
 - Inheritance
 - Polymorphism
 - Encapsulation
- ❖ OOP Magic Methods.
- ❖ Channing Methods.
- ❖ Project Related Object Oriented Feature.



Class # 16	Instructor's Signature :	Date :
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- ❖ PHP Object Oriented Static Class, Property, Method.
- ❖ What is Method Overloading?
- ❖ What is Method Overriding?
- ❖ Object Oriented Feature-
 - Interface
 - Abstraction
 - Constants
 - Constructor
 - Destructor
- ❖ What is Final Keyword?
- ❖ Calling Parent Constructions.
- ❖ Project Related Object Oriented Feature.

Class # 17	Instructor's Signature :	Date :
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- ❖ What is Framework?
- ❖ Why Use Framework.
- ❖ Basic Concept of MVC.
- ❖ What is Laravel?
- ❖ Why Use Laravel.
- ❖ Laravel Feature.
- ❖ What is Composer?
- ❖ Why Use Composer.
- ❖ Laravel Installation.
- ❖ Laravel Artisan Command.
- ❖ Laravel MVC Structure: Model, View, Controller.

Class # 18	Instructor's Signature :	Date :
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- ❖ Laravel Security System.
- ❖ Laravel Security Token.
- ❖ HTTP Basic Authentication.
- ❖ Encryption System in Laravel
- ❖ Laravel Routing System.

Class # 19	Instructor's Signature :	Date :
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- ❖ How Connect Database in Laravel.
- ❖ Laravel Migration System.
- ❖ Laravel Authentication System.
- ❖ How to Create Controller in Laravel.
- ❖ Laravel Blade Template.
- ❖ How to View Blade Template in Laravel.

Class # 20	Instructor's Signature :	Date :
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- ❖ How to Create Model in Laravel.
- ❖ How to Create Table in Laravel.



- ❖ Laravel Table Field Naming System.
- ❖ Laravel Migration Artisan.
- ❖ Laravel Eloquent ORM.
- ❖ Eloquent Model Conventions.
- ❖ Create & Update and Deleting Models.
- ❖ Query Builder.
- ❖ Events.

Class # 21	Instructor's Signature :	Date :
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- ❖ What is Laravel Package?
- ❖ Why Use Package.
- ❖ How to Install Package.
- ❖ Laravel Official Package List.
- ❖ Important Laravel Package List.
- ❖ What is Laravel Helper?
- ❖ How to Use Helper.
- ❖ Important Laravel Helpers.

Class # 22	Instructor's Signature :	Date :
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- ❖ How to Send Email in Laravel.
- ❖ Configuring The Sender.
- ❖ Configuring The View.
- ❖ View Data.
- ❖ Attachments.
- ❖ Inline Attachments.
- ❖ Customizing The Swift Mailer Message.
- ❖ Generating Markdown Mailables.
- ❖ Writing Markdown Messages.
- ❖ Customizing The Components.

Class # 23	Instructor's Signature :	Date :
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- ❖ How to Login in Social Media Account.
- ❖ Laravel Socialite Package Installation.
- ❖ Introduction Laravel Socialite Package.
- ❖ Upgrading Socialite Package.
- ❖ Configuration and Routing.
- ❖ Optional Parameters.
- ❖ Access Scopes.
- ❖ Stateless Authentication.
- ❖ Retrieving User Details.

Class # 24	Instructor's Signature :	Date :
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- ❖ What is Ajax?
- ❖ What is Json?
- ❖ Why Use Ajax, Json.
- ❖ How to Use Ajax, Json.
- ❖ Ajax Json Use in Laravel Application.



Class # 25	Instructor's Signature :	Date :
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- ❖ What is eCommerce?
- ❖ eCommerce Development System Technique.
- ❖ eCommerce Based Laravel Package Installation.
- ❖ eCommerce Based Database Design.
- ❖ eCommerce Algorithm System.

Class # 26	Instructor's Signature :	Date :
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- ❖ eCommerce Inventory System Structure.
- ❖ Laravel add to cart System Development Process.
- ❖ Reporting System of eCommerce Inventory.
- ❖ Payment Method.

Class # 27	Instructor's Signature :	Date :
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eCommerce Website Development Step by Step

Class # 28	Instructor's Signature :	Date :
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eCommerce Website Development Step by Step

Class # 29	Instructor's Signature :	Date :
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eCommerce Website Development Step by Step

Class # 30	Instructor's Signature :	Date :
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Web Application Database Design Pattern System

Class # 31	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 32	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 33	Instructor's Signature :	Date :
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- ❖ What is API?
- ❖ What is Rest API?
- ❖ Why Use API in Laravel Project.
- ❖ How Create Laravel API.
- ❖ Laravel Based API Development Process.



- ❖ JSON responses with HTTP status codes
- ❖ Using Middlewares to Restrict Access.
- ❖ security and authentication

Special Class	Domain & Hosting	Date:
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- ❖ What is Domain?
- ❖ What is Hosting?
- ❖ Feature of Cpanel.
- ❖ Creating Database in Cpanel.
- ❖ Website Hosting Process.
- ❖ Website Host in Cpanel.

Special Class	Market Place - Fiverr	Date:
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- ❖ Discussion in (www.fiverr.com) Market Place.
- ❖ Create Fiverr Account.
- ❖ Build Your Profile.
- ❖ Create Gig/Service.
- ❖ Gig Marketing.
- ❖ Buyer Request.
- ❖ Fiver Order Process.
- ❖ Communication with Buyer.
- ❖ Fiver Account Security.
- ❖ Fiverr Payment Process.
- ❖ Fiverr Tips and Tricks.
- ❖ Question and Answer.

Special Class	Angular JS	Date:
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- ❖ What is Angular JS?
- ❖ Angular JS Installation.
- ❖ Angular JS Functions.
- ❖ Angular JS Directive.
- ❖ Object Create in Angular JS.
- ❖ Angular JS DOM?
- ❖ Angular JS Events.
- ❖ Angular JS Controllers.

Special Class	Vue JS	Date:
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- ❖ What is Vue JS?
- ❖ The Vue Instance.
- ❖ Template Syntax.
- ❖ Class and Style Bindings.
- ❖ Form Input Bindings.
- ❖ Components Basics
- ❖ Dynamic & Async Components.
- ❖ Server-Side Rendering.
- ❖ Routing

Special Class	Market Place - Upwork	Date:
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- ❖ Discussion in (www.upwork.com) Market Place.
- ❖ Introduction to Upwork Account.
- ❖ Create Account Process.
- ❖ Account Approve Guideline.
- ❖ Professional Profile Build-Up.
- ❖ Upwork Test/Exam Guideline
- ❖ Write a Professional Job Cover Letter.
- ❖ Apply Online Project/Job.
- ❖ Communication with Buyer.
- ❖ Account Security.
- ❖ Upwork Payment Process.
- ❖ Upwork Tips and Tricks.
- ❖ Questions and Answer.

Special Class	Market Place - Freelancer	Date:
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- ❖ Discussion in (www.freelancer.com) Market Place.
- ❖ Creating Account. Updating Profile
- ❖ Finding Jobs. Details of Job Page.
- ❖ Cover Letter Writing.
- ❖ Good Profile Create System.
- ❖ Bidding Techniques.
- ❖ Contest Attend and Review All Contest.
- ❖ Facing Interview. Communicating with Client
- ❖ Payment Process.
- ❖ Review Questions and Answers.
- ❖ Account Security.

Special Class	Web Application Security	Date:
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- ❖ Web Application Security?
- ❖ Importance of Web and Cyber Security.
- ❖ Web Application Security Solution Technique.
- ❖ Web Application Bug Fixing Technique.
- ❖ Web Application Performance Process.

