



WEB DEVELOPMENT WITH LARAVEL COURSE OUTLINE

Total Classes: 48

Class # 01	Instructor's Signature :	Date :
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- ❖ Basic Discussion on Web Platform.
- ❖ Differences between Static & Dynamic Website.
- ❖ What is Client Side & Server Side?
- ❖ Tools we will need for Web Development.
- ❖ Basic Concept on:
 - HTTP - Hyper Text Transfer Protocol.
 - URL - Uniform Resource Locator.
 - Code editor
 - WAMP - Windows Apache MySQL PHP.
 - XAMPP - Cross Platform Apache MariaDB PHP and Perl
- ❖ How to Install Server in Local Environment?
- ❖ What is Programming Language?
- ❖ History of PHP
- ❖ PHP in Web Development
- ❖ PHP Coding Structure
- ❖ Writing "Hello World" program using PHP

Class # 02	Instructor's Signature:	Date:
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- ❖ Working with PHP Variables.
- ❖ Variable Declaration in PHP.
- ❖ Case Sensitive in PHP
- ❖ Valid & Invalid Variable.
- ❖ Assigning Value in a Variable
- ❖ Assignment Operator
- ❖ How to do PHP Comment.
- ❖ Types of PHP Comment.
- ❖ Concatenation in PHP.
- ❖ Use of Concat operator.
- ❖ Indentation in code writing



Class # 03	Instructor's Signature:	Date:
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- ❖ Arithmetic operation in PHP
- ❖ Use of Modulus Operator.
- ❖ What is Function?
- ❖ What is Constant Variable?
- ❖ Working with Constant in PHP.

Class # 04	Instructor's Signature :	Date :
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- ❖ String Functions:
 - strlen
 - str_word_count
 - strrev
 - str_replace
 - explode
- ❖ Conditions in PHP:
 - If
 - Else if
 - Else

Class # 05	Instructor's Signature :	Date :
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- ❖ Nested If Else Condition
- ❖ Shorthand If Else Condition (Use of Ternary Operator)
- ❖ PHP Switch Statement

Class # 06	Instructor's Signature :	Date :
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- ❖ Loops in PHP:
 - while
 - do while
 - for
 - foreach

Class # 07	Instructor's Signature :	Date :
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Logical Problem Solving Class
(2 Hours Lab Class)



Class # 08	Instructor's Signature :	Date :
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- ❖ Arrays:
 - Indexed Arrays.
 - Associative Arrays.
 - Multidimensional Arrays.
- ❖ Sort Functions for Arrays.
- ❖ Looping through Arrays.

Class # 09	Instructor's Signature :	Date :
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- ❖ Super Global Variable
- ❖ PHP Form Submission:
 - Form Handling
 - Form Validation (filter, preg_match)

Class # 10	Instructor's Signature :	Date :
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Form Handling Problem Solving Class
(2 Hours Lab Class)

Class # 11	Instructor's Signature :	Date :
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- ❖ PHP Date & Time
- ❖ File Include/Require in PHP.
- ❖ File Create in PHP
- ❖ File Read in PHP
- ❖ die function
- ❖ try catch exception

Class # 12	Instructor's Signature :	Date :
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- ❖ What is SQL?
- ❖ How to Create Database in MySQL?
- ❖ How to Connect Database in Web Application?
- ❖ What is Database Table?
- ❖ How to Create Table?
- ❖ How to Create Table Field?
- ❖ What is Primary Key?
- ❖ Why We Use Primary Key?
- ❖ What is Foreign Key?
- ❖ Why We Use Foreign Key?



Class # 13	Instructor's Signature :	Date :
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- ❖ Introduction to CRUD in PHP
- ❖ Introduction to MySQL and MySQLi
- ❖ Working with System Registration (Sign Up) Form
- ❖ Data Passing Using GET/POST Method.

Class # 14	Instructor's Signature :	Date :
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- ❖ How to Read/View all Data from Database?
- ❖ How to View Single Data from Database?
- ❖ How to Update Data in Database?
- ❖ How to Delete Data from Database?

Class # 15	Instructor's Signature :	Date :
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- ❖ Working with System Login (Sign In) Form
- ❖ What is Session?
- ❖ Why We Use PHP Session?
- ❖ How to Use PHP Session?
- ❖ Enabling logout in System.

Class # 16	Instructor's Signature :	Date :
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Dynamic Website Development Step by Step

(Admin Dashboard Integration)

Class # 17	Instructor's Signature :	Date :
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Dynamic Website Development Step by Step

(Frontend Backend Integration)

Class # 18	Instructor's Signature :	Date :
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Dynamic Website Development Step by Step

Project: *Dynamic Website Development in PHP and MySQL.*



Class # 19	Instructor's Signature :	Date :
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- ❖ What is Object Oriented Programming (OOP)?
- ❖ Basic Concept of PHP OOP.
- ❖ What is Magic Method?
- ❖ Basic Concept-
 - Class
 - Methods
 - Objects
 - Constructors
 - Destructors

Class # 20	Instructor's Signature :	Date :
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- ❖ OOP Access Modifier -
 - Public
 - Private
 - Protected
- ❖ What is Method Overloading and Overriding?
- ❖ Object Oriented Feature-
 - Inheritance
 - Abstraction
 - Polymorphism
 - Encapsulation

Class # 21	Instructor's Signature :	Date :
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- ❖ Basic Concept of Application/Software
- ❖ Different types of Applications.
- ❖ What is Web App?
- ❖ What is a Framework?
- ❖ Introduction to Laravel
- ❖ Why Laravel for web app development?
- ❖ What is MVC Architecture?
- ❖ Local Development Environment and Software Installation.

Class # 22	Instructor's Signature:	Date:
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- ❖ What is CLI (Command-line Interface)?
- ❖ Basic CLI commands
- ❖ What is Composer?
- ❖ Laravel installation using Composer
- ❖ Folder structure



- ❖ .env file
- ❖ composer.json file
- ❖ Beautiful Artisan commands
- ❖ Running the first Laravel project using Artisan command
- ❖ Understanding MVC Architecture in Laravel
- ❖ What is Route?
- ❖ Creating our first route

Class # 23	Instructor's Signature:	Date:
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- ❖ Creating Views
- ❖ Blade Templating
- ❖ Extending Blade
- ❖ What is Controller?
- ❖ How to create a Controller?
- ❖ Passing Data To Views

Class # 24	Instructor's Signature :	Date :
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- ❖ Making form at Laravel
- ❖ Sending form data to a Controller
- ❖ Doing logical and mathematical operation using form data
- ❖ Connecting MySQL database to Laravel

Class # 25	Instructor's Signature :	Date :
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- ❖ Understanding the Model
- ❖ Using Migration to create table
- ❖ Working with Model and Migration
- ❖ Inserting record into database using Eloquent Model

Class # 26	Instructor's Signature :	Date :
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- ❖ Read record from database (single/multiple)
- ❖ Update record from database

Class # 27	Instructor's Signature :	Date :
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- ❖ Delete record from database
- ❖ Using Laravel Basic Authentication
- ❖ What is Middleware?



Class # 28	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 29	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 30	Instructor's Signature :	Date :
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Web Application Development Step by Step

- ❖ Image/File upload using Laravel File Storage
- ❖ Understanding symbolic link

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

- ❖ Planning of web application
- ❖ Development work on basic functionalities
- ❖ Use of Resource Controller

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

- ❖ Use of dataTables
- ❖ Applying on Request Class
- ❖ Working on Request class

Class # 33	Instructor's Signature :	Date :
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Web Application Development Step by Step

- ❖ One to One Relation
- ❖ One to many relation
- ❖ Eager Loading
- ❖ Integrating custom dashboard with default design



Class # 34	Instructor's Signature :	Date :
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Web Application Development Step by Step

- ❖ Use of Package
- ❖ Multi Language

Class # 35	Instructor's Signature :	Date :
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Web Application Development Step by Step

- ❖ Laravel Socialite

Class # 36	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 37	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 38	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 39	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 40	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 41	Instructor's Signature :	Date :
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Web Application Development Step by Step

Class # 42	Instructor's Signature :	Date :
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Web Application Development Step by Step



Class # 43	Instructor's Signature :	Date :
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Web Application Development Step by Step

Special Class # 44	Instructor's Signature :	Date:
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- ❖ What is Domain?
- ❖ What is Hosting?
- ❖ Feature of Cpanel.
- ❖ Creating Database in Cpanel.
- ❖ Hosting a Web Application in Live Server

Special Class # 45	Instructor's Signature :	Date:
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- ❖ Discussion about Re-Sellable Market Place.
- ❖ Code Canyon Market Research.
- ❖ Code Canyon Product Requirement.
- ❖ Code Canyon Rules and Regulation.
- ❖ Code Canyon Coding Structure.
- ❖ Code Canyon File Upload System.
- ❖ Why Code Canyon Reject File?
- ❖ File Re-Submission System.
- ❖ Payment System.
- ❖ Account Security.

Class Assignment: Review Market Place and Requirement

Special Class # 46	Instructor's Signature :	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 Withdrawn.
- ❖ Review Questions and Answers.
- ❖ Account Security.

Class Assignment: Every Student Create Account in Market Place and Bidding Client Project.



Special Class # 47	Instructor: Creative IT Team	Date:
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- ❖ What is CBT&A?
- ❖ Discuss CBT&A Certificate Demand.
- ❖ Discuss CBT&A Exam Course Module.
- ❖ CBT&A Exam Procedure.
- ❖ Certification Process.
- ❖ Discussion.

Special Class # 48	Instructor: WEB TEAM	Date:
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**** Final Exam of Web Development Course ****

**** Viva of Web Development Course Contents ****

**** Final Project Submission of Web Development Course ****

**** Motivation and Discussion about Professional Period****

