

Course Title: Web Application Development Using PHP(Laravel)

Course Outline

Requirements:

- ✓ Basic Knowledge of Computer Fundamental
- ✓ Basic Knowledge of Programming C

Day	Topic	Sub-Topic	Assessment
01	Orientation Class	<ol style="list-style-type: none">1. What is web design & development2. Basic knowledge domain and hosting3. Career in web developer4. Initial Environment Setup	
02	HTML & HTML 5	<ol style="list-style-type: none">1. HTML introduction2. Basic HTML Tags3. What is the difference between HTML and HTML5?	
03	CSS & CSS 3	<ol style="list-style-type: none">1. Intro About CSS2. Integrate CSS in html3. What is the difference between CSS and CSS3?	Projects Using HTML 5 & CSS3

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04	Bootstrap 4	<ol style="list-style-type: none"> 1. What Is Bootstrap Why Use It? 2. What's New In Bootstrap 4? 3. Typography Utilities 	
05	Bootstrap 4	<ol style="list-style-type: none"> 1. CSS Components 2. Grid System Flexbox 3. JavaScript Widgets 	
06	Bootstrap 4 (Project)	<ol style="list-style-type: none"> 1. One Page Portfolio Project 2. Font Awesome 3. PSD To HTML 	Projects Using Bootstrap 4
07	Jquery-01	<ol style="list-style-type: none"> 1. Basic 2. Color plate 3. Dropdown menu 4. Selector 5. Slide-animated-menu 	
08	Jquery-01	<ol style="list-style-type: none"> 1. pass_strentgh_check 2. Slider 	Project

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09	PHP(Fundamental)	<ol style="list-style-type: none"> 1. php syntax 2. variable 3. data type 4. Operators 5. Conditional Statement 6. Switch Statement 7. Loop 8. Function 9. Array 10. global Variable 	
10	PHP(OOP)	<ol style="list-style-type: none"> 1. Class 2. Method , Instance 3. Property , Inheritance , polymorphism 4. Access Modifier ,Construct 	
11	Database Server	<ol style="list-style-type: none"> 1. Introduce to Database Server. 2. Introduce to MySQL Database Server. 3. Create database, table inside the Database Server. 4. Introduction to StructuredQueryLanguage(SQL). 5. Form Validation 	

Day	Topic	Sub-Topic	Assessment
12	PHP –CRUD Operation	<ol style="list-style-type: none"> 1. Introduction to CRUD operation. 2. Data Save into the database server. 3. Data Retrieve form the Database Server. 4. Data edit & update. 5. Data Delete. 	Project CRUD Operation
13	Laravel Framework -01	<ol style="list-style-type: none"> 1. Understanding the concept of framework. 2. History of PHP framework. 3. Popular PHP framework. 4. Why Laravel. 5. Introduce to MVC(Model , View , Controller) 6. Laravel installation. 	
14	Laravel Framework -02	<ol style="list-style-type: none"> 1. Folder Structure 2. Routes 3. Controllers 4. Views 5. Laravel Blade templating engine 	

Day	Topic	Sub-Topic	Assessment
15	Laravel Framework -03	<ol style="list-style-type: none">1. Laravel Migrations2. Eloquent _ ORM3. CRUD(insert & view)	
16	Laravel Framework -04	<ol style="list-style-type: none">1. CRUD(Edit & Update form submit)2. Form Validation	
17	Laravel Framework -Project	<ol style="list-style-type: none">1. Ecommerce Project day 1	
18	Laravel Framework -Project	<ol style="list-style-type: none">1. Ecommerce Project day 2	

Day	Topic	Sub-Topic	Assessment
19	Laravel Framework -Project	1. Ecommerce Project day 3	
20	Laravel Framework -Project	1. Ecommerce Protect day 4	
21	Laravel Framework -Project	1. Ecommerce Project day 5	
22	Laravel Framework -Project	1. Ecommerce Protect day 6	

Day	Topic	Sub-Topic	Assessment
23	Laravel Framework -Project	1. Ecommerce Project day 7	
24	Laravel Framework -Project	1. Ecommerce Project day 8	
25	Laravel Framework -Project	1. Ecommerce Project day 9	
26	Laravel Framework -Project	1. Ecommerce Project day 10	

Day	Topic	Sub-Topic	Assessment
27	JavaScript	<ol style="list-style-type: none"> 1. Basic Syntax 2. Data types 3. Alert , Confirm, Prompt 4. Function,DOM,BOM 5. Onload, On Mouseover , On submit, Onclick 	
28	Vue JS(01)	<ol style="list-style-type: none"> 1. Basic(Introduction) 2. List Rendering 3. Conditional Rendering 4. Instance Property,Element,Methods 	
29	Vue JS(02)	<ol style="list-style-type: none"> 1. Registration form 2. Event 3. Class+Style Binding 4. Data Binding 5. scripts 	
30	Vue JS(02)	<ol style="list-style-type: none"> 1. Vue JS Function 	Project CRUD Operation

Day	Topic	Sub-Topic	Assessment
31	Laravel Vue implement	1. Laravel Vue Implement On Ecommerce Project -Day1	
32	Laravel Vue implement	1. Laravel Vue Implement On Ecommerce Project-Day2	
33	Laravel Vue implement	1. Laravel Vue Implement On Ecommerce Project -Day3 2. Project Final 3. Upload Project On Github	
34	Project Management Tools	1. What is Project Management? 2. Introduction Wunderlist 3. Introduction Trello 4. Create project in Trello 5. Create card in Trello 6. Assign a card to a group member 7. Work with project stories	
35	Final Class	1. Group project presentation 2. CV 3. Viva 4. What Next ??????????????	Group Project Presentation