

Web Development - Curriculum

Sl.No	Topic
FRONT END	
1	HTML FUNDAMENTALS
1.1	Introduction to HTML
1.2	Structure of HTML
1.3	Basic HTML Elements
1.4	HTML Link Tags
1.5	Ordered and Unordered Lists
1.6	Head and Meta tags
1.7	Styles and Semantic tags
1.8	HTML Element Attributes
1.9	HTML Form Elements
1.10	HTML Table Elements
2	CSS FUNDAMENTALS
2.1	Fundamentals of CSS
2.2	CSS Selector
2.3	CSS Color and Background Property
2.4	CSS Fonts
2.5	CSS Text
2.6	CSS Float
2.7	CSS Box Model
2.8	CSS Display
2.9	CSS Flexbox
2.10	Responsive Web Design
2.11	CSS Box Model
3	JavaScript FUNDAMENTALS
3.1	Javascript - Introduction
3.2	Javascript - Variables and Outputs
3.3	Javascript - Data Types
3.4	Javascript - Conditional Statements
3.5	Javascript - Looping Statements

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- 3.7 Javascript - Function Scope
- 3.8 Javascript - Arrow Function
- 3.9 Javascript - Arrays
- 3.10 Javascript - Objects
- 3.11 Javascript Event Handling
- 3.12 Javascript and Browser
- 3.13 JSON

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JQuery FUNDAMENTALS

- 4.1 Preface
- 4.2 Introduction To jQuery
- 4.3 jQuery Getting Started
- 4.4 jQuery Syntax
- 4.5 jQuery Selectors
- 4.6 jQuery Events
- 4.7 jQuery Show Hide
- 4.8 jQuery fadeIn fadeOut
- 4.9 jQuery slideUp slideOut
- 4.10 jQuery animate stop
- 4.11 jQuery Chaining

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Bootstrap Fundamentals

- 5.1 Introduction To Bootstrap
- 5.2 Bootstrap Getting Started
- 5.3 Bootstrap Containers and Typography
- 5.4 Bootstrap Grid System
- 5.5 Bootstrap Table
- 5.6 Bootstrap Forms
- 5.7 Bootstrap Button
- 5.8 Bootstrap Images
- 5.9 Bootstrap Cards
- 5.10 Bootstrap Icons

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- 5.11 Bootstrap Navs
- 5.12 Bootstrap Navbar
- 5.13 Bootstrap Accordion
- 5.14 Bootstrap Breadcrumb
- 5.15 Bootstrap Pagination
- 5.16 Bootstrap Badges
- 5.17 Bootstrap Progress Bar
- 5.18 Bootstrap Spinners
- 5.19 Bootstrap Modals
- 5.20 Bootstrap Tooltip
- 5.21 Bootstrap Popovers
- 5.22 Bootstrap Alerts
- 5.23 Bootstrap Carousel

BACK END

1

PHP Fundamentals

- 1.1 Introduction to PHP
- 1.2 Getting Started with PHP and PHP Syntax
- 1.3 PHP Constants
- 1.4 PHP Variables
- 1.5 PHP Echo and Print
- 1.6 PHP Data Types
- 1.7 PHP Strings
- 1.8 PHP Operators
- 1.9 Looping, Conditional and Control Statement
- 1.10 PHP Arrays
- 1.11 PHP Classes and Objects
- 1.12 PHP Exception handling
- 1.13 PHP Functions
- 1.14 PHP Math Operations

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- 1.15 PHP Methods
- 1.16 PHP Form Validations
- 1.17 PHP Date and Time
- 1.18 PHP Include Files
- 1.19 PHP File System
- 1.20 PHP Cookies
- 1.21 PHP Sessions
- 1.22 PHP Send Email
- 1.23 PHP Filters
- 1.24 PHP JSON Parsing
- 1.25 PHP MySQL Basics
- 1.26 PHP MySQL CRUD

2**SQL Fundamentals**

- 2.1 SQL Introduction
- 2.2 SQL Getting Started
- 2.3 SQL Syntax
- 2.4 SQL Create Database
- 2.5 SQL Create Table
- 2.6 SQL Constraints
- 2.7 SQL Insert
- 2.8 SQL Select
- 2.9 SQL Where
- 2.10 SQL AND & OR
- 2.11 SQL IN & Between
- 2.12 SQL Order By
- 2.13 SQL TopLimit
- 2.14 SQL Distinct
- 2.15 SQL Update
- 2.16 SQL Delete
- 2.17 SQL Truncate Table
- 2.18 SQL Drop

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3	Laravel Fundamentals
3.1	Introduction and Prerequisite
3.2	MVC Basics
3.3	Laravel Introduction
3.4	Getting Started with Laravel
3.5	Laravel Startup
3.6	Laravel Directory and Files Structure
3.7	Laravel Artisan Commands
3.8	Laravel Controllers
3.9	Laravel Middleware
3.10	Laravel Migration
3.11	Laravel Models
3.12	Laravel Routes
3.13	Laravel API Routes
3.14	Laravel Views
3.15	Laravel Queues and Jobs
3.16	Laravel Request and Response
3.17	Laravel Send Email via Mailtrap
3.18	Laravel CRUD API
3.19	Laravel Artisan Commands and Logs
3.20	Laravel Helpers
3.21	Laravel Sessions
3.22	Laravel Validations
PROJECT	
1	Advance E-Commerce Website-
2	Doctor Appointment Dashboard
3	Job Portal
4	Chat Application
5	Single Page E-Commerce Website