

“Diploma in FULL- STACK”

Web Development – Roadmap Frontend & Backend Technologies

Duration - 12 Months

Diploma in FULL - STACK and is a skill-oriented computer program that offers studies about computers and their applications. You will learn to use various types of computer Programming Languages such as Frontend Technologies- HTML, CSS, JS & Bootstrap, Backend Technologies – PHP, Laravel and MYSQL, Git, GitHub & Web Hosting and so on. In this computer course, you will learn about programming and know how to make computer software with the help of various programming languages.

1. Frontend Technologies

HTML – 5

- Introduction of HTML
- Structure of Webpages (HTML Tapes & Elements)
- Semantic HTML (Header, Footer, Article, Section)
- Forms & Tables
- Media Elements (audio, video, image)
- HTML Best Practices

CSS

- Introduction of CSS
- CSS Selectors & Specificity
- Box Model, Display, Position
- Flexbox
- Responsive Design (Media Queries)
- Units (px, rem, em, vh, vw)
- CSS Transitions & Animations

Java Script

- Variables, Data types
- Functions, Arrow Functions
- Arrays & Objects (map, filter, reduce)
- Loops, Conditionals
- Dom Manipulation
- Events (click, input, etc.)
- Promises, Async / Await
- Error Handling

Boot Strap

- Introduction of Bootstrap
- Advantage of Bootstrap
- Grid System
- Utility Classes
- Navbar, Cards, Forms
- Modals, Buttons, Alerts
- Responsive Design

2. Backend Technologies

PHP	Laravel
<ul style="list-style-type: none">• Basic Syntax• Variable & Functions• Form Handling• Sessions & Cookies• CRUD with MySQL• PHP Security Basics• Error Handling	<ul style="list-style-type: none">• Introduction of Laravel• Routing• Controllers• Blade Templates• Authentication• Validation• File Upload

3. Database & Additional Skills

MySQL	Git & GitHub	Web Hosting
<ul style="list-style-type: none">• Introduction of MySQL• MYSQL Installation (XAMPP)• Joins & Functions• Indexes & Constraints• Subqueries	<ul style="list-style-type: none">• Introduction to Git and GitHub• Git and GitHub Basics• Commands• Subqueries	<ul style="list-style-type: none">• Introduction of Web Hosting• About of Domain Name• Backend Hosting• Create Database• File Upload Hosting• Common Errors

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