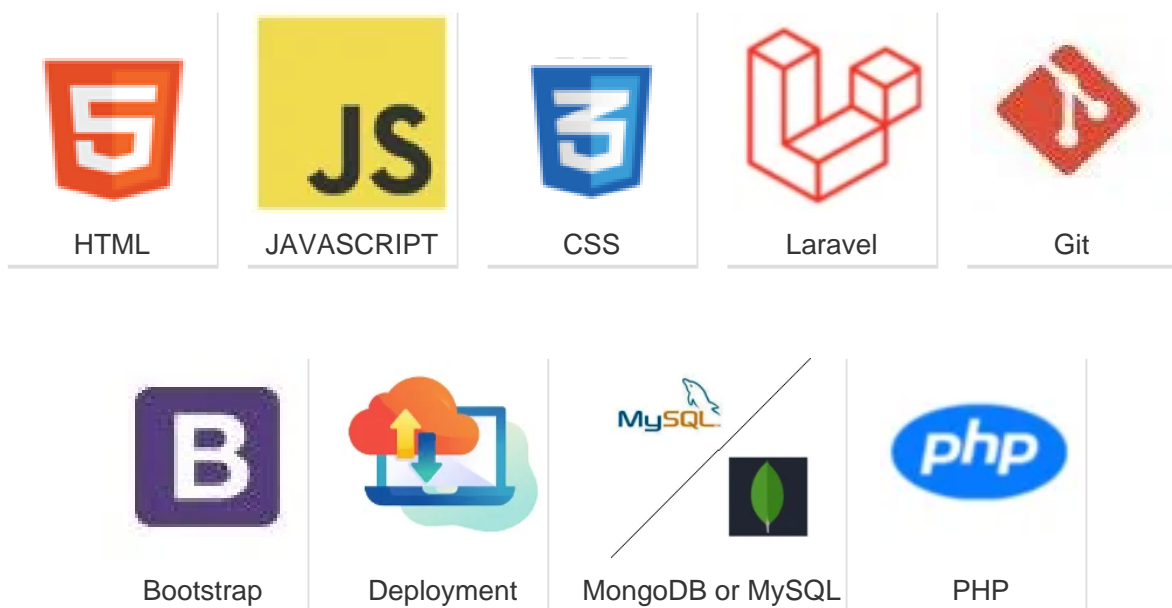


Full Stack PHP

In **Laravel PHP**, developers craft the backbone of web applications, managing server-side logic, integrating third-party services, and collaborating with front-end counterparts. Leveraging Laravel's features like Eloquent ORM and Blade templating, they ensure seamless data handling and UI integration. With a focus on efficiency and scalability, PHP developers in Laravel play a pivotal role in creating robust, modern web solutions.

Tech Stack To Be Covered



Module Wise Syllabus and Schedule

Schedule for the 3 months plus Internship divided in 16 weeks

Design Web pages using HTML5, CSS and JS

Week 1 to week 3:

- Introduction to HTML
- Basic HTML tags
- Formatting Tags
- Modern HTML5 tags
- Class and ID attributes
- CSS (Inline, embedded and External)
- Working with images and media files
- Media queries
- HTML and CSS framework Bootstrap
- Creating responsive static website (First Project)
- Week 2
- Introduction to JavaScript
- Built-in functions in JS
- DOM manipulation and JS objects
- Modern JavaScript using ECMAScript
- JQuery and AJAX
- Fetch API
- Working with JSON and Arrays

Introduction to My-SQL DBMS

Week 4 and week 5:

<ul style="list-style-type: none"> • Data Definition Language query • Creating database and table • Modifying tables and other database objects • Data manipulation language queries • Insert, delete and update queries • Working with index and triggers • Referential integrity and normalization • Data query language • Select queries • Join, Sub-Queries • Functions and procedures in T-SQL • Creating real time project database architecture(Second Project) 	
<p>Web development concept using core PHP</p>	<p>Week 6 to week 7:</p>
<ul style="list-style-type: none"> • PHP script • Working with different data types • Built-in functions • Control statements • Programs to build logic • Introduction to OOP • Working with PHP and MY-SQL database • CRUD application using OOP(Third Project) • Exception handling 	
<p>Complete project development using PHP(Laravel)</p>	<p>Week 8 to Week 13:</p>

<ul style="list-style-type: none"> • Creating projects, Dependency management using composer • PHP artisan command for Laravel web artisan • Laravel Project Structure • Routes and redirects • Template Engine using Laravel Blade • Template Inheritance • Models and Controllers • Working with My-SQL database and database migrations CRUD Application • Laravel Eloquent ORM • Laravel Authentication setup • REST API and JWT http authentication 	
<p>Create 2 different projects</p>	<p>Week 14 to week 16:</p>
<ul style="list-style-type: none"> • A complete Dynamic web application with MY-SQL as back-end (Forth Project) • A Back-end application to provide API's to work with single page application (Fifth Project) 	
<p>Internship Project dissertation and project presentation</p>	
<ul style="list-style-type: none"> • Prepare documentation • Project Architecture • Database Architecture • Modules • Test Plans • Coding • Testing and debugging • Hosting on server 	

