

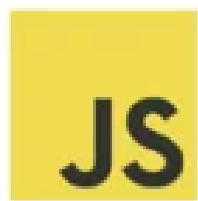
Full Stack PHP

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



HTML



JAVASCRIPT



CSS



Laravel



Git



Bootstrap



Deployment



MongoDB or MySQL



PHP

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:
<ul style="list-style-type: none"> • 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) 	
Web development concept using core PHP	Week 6 to week 7:
<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 	
Complete project development using PHP(Laravel)	Week 8 to Week 13:

<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 	
Create 2 different projects	Week 14 to week 16:
<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) 	
Internship Project dissertation and project presentation	
<ul style="list-style-type: none"> • Prepare documentation • Project Architecture • Database Architecture • Modules • Test Plans • Coding • Testing and debugging • Hosting on server 	

