

## SAIL SMOOTH IN TECH OCEAN

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## **Full Stack PHP**

In Laravel PHP, developers craft the backbone of web applications, managing serverside 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**

















Deployment





## **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 week 3:	to
Introduction to HTML		
Basic HTML tags		
Formatting Tags		
Modern HTML5 tags		
Class and ID attributes		
<ul> <li>CSS (Inline, embedded and External)</li> </ul>		
<ul> <li>Working with images and media files</li> </ul>		
Media queries		
HTML and CSS framework Bootstrap		
<ul> <li>Creating responsive static website (First Project)</li> </ul>		
• Week 2		
Introduction to JavaScript		
Built-in functions in JS		
<ul> <li>DOM manipulation and JS objects</li> </ul>		
<ul> <li>Modern JavaScript using ECMAScript</li> </ul>		
<ul> <li>JQuery and AJAX</li> </ul>		
Fetch API		
<ul> <li>Working with JSON and Arrays</li> </ul>		
Introduction to My-SQL DBMS	Week 4 week 5:	and

Week 6 to week 7:
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 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 Week 14 to Create 2 different projects week 16: 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 Prepare documentation Project Architecture Database Architecture Modules Test Plans Coding Testing and debugging Hosting on server

