



FULL STACK DEVELOPEMENT

Duration – 5-6 Months

Front-End UX Development

HTML, CSS, Javascript, Client Side JQuery

- HTML Tags
- Table/Div
- Forms
- Image
- Form
- CSS syntax
- Selectors
- CSS properties
- Javascript concept
- Javascript events
- Various types of validation
- JQuery concept
- JQuery functions
- Usefull plugins

Angular

- Basic configuration & installation
- Expressions
- Modules
- Directives
- Controllers
- Angular Model
- Angular Data Binding
- Views
- Pipeservices

Angular

- Angular HTTP
- Tables
- Html dom
- Angular forms
- Validations
- Events
- Angular api
- Includes



- Routing
- Layout & Templates

Front-end Connectivity With Database Through API

- Whats is API
- API Basics
- Front-end and API integrations
- Showing dynamic data on Front-end through API from Database

Back-End API Development

PHP Basics

- PHP Syntax
- Comments
- Variables
- Value-passing
- Conditional-statements
- Loops
- Arrays
- Function (inbuilt,user-defined)
- Session
- Cookies
- Php-errors

Database

- Database concept
- sql-query,(create,insert,delete,edit,select[with join])
- Fundamental of Normalization [Data Redundancy & Foreign Key Constraints]
- Trigger
- Event and Store Procedure

PHP & MySQL Database, AJAX, Server Side JQuery

- Sql-query(create, insert, delete, edit, select[with join] using php)
- File upload
- Basic Ajax
- Ajax XMLHttpRequest
- Use of JQuery ajax



Object Oriented Programming Concept in PHP

- Object Oriented Programming through PHP with all types of MySQL operation
- Detail knowledge about class, object, inheritance, polymorphism
- Different types of variable in a class
- Encapsulation
- Constructor
- Destructor
- Abstract class
- Coercive Mode
- Object Oriented Programming with Database Connectivity by PDO

MVC Architecture, CodeIgniter

- Code writing in MVC architecture
- Knowledge of CodeIgniter framework
- Code writing in MVC architecture
- Knowledge of CodeIgniter Basic PHP operation and database operation in CodeIgniter
- Some Advanced Features in CodeIgniter [like Routing, Captcha, Email Sending etc.]

Web Service

- Concept & Advantages of Web Services
- JSON Format
- JSON Parse
- Rest & SOAP Web Services
- JWT Token
- Case studies of Web Services on large Operation along with Database Communication through PHP

Few Useful API Integration

- Single sign on through GMAIL and FACEBOOK. PAYPAL Payment gateway Integration through sandbox account

WordPress (the most popular Open Source CMS)

API Connectivity with Database

- Connect to Database
- Query Database (Insert/Update/Delete)
- Process Results



Project Implementation: Full Stack Application Development.

After the completion of the course, the participants will be assigned with a full-stack application development project from start. The student will be responsible for creating the Front-end (UX) part as well as the Back-end API part for the web application.