KALIFO TECH

LEADERS IN CREATIVITY
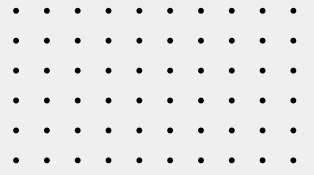
WEB DEVELOPMENT INTERNSHIP

2023

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WHAT YOU'LL LEARN

●   Construct and visually format responsive, interactive web pages using HTML, CSS and JavaScript (JS).

●   Construct websites using advanced server side programming tool PHP.

●   Develop dynamic web applications using PHP and perform MySQL database operations.

●   Explain the importance of object exchange formats using JSON and the MVC based web application development frameworks (Laravel)

COURSE CONTENT

01   **INTRODUCTION TO HTML5**

02   **INTRODUCTION TO CASCADING STYLE SHEETS(CSS)**

03   **INTRODUCTION TO JAVASCRIPT**

04   **INTRODUCTION TO PHP**

05   **PHP -MYSQL**

06   **JSON**

07   **LARAVEL**

INTRODUCTION TO HTML5 (7 HRS)

- ●   Structuring & editing an HTML5 document : Fundamentals of HTML, Headings, Images.
- ● Hyper Links, Internal Linking- Lists.
- ● Special Characters & Horizontal Rules- meta Elements- div and span
- ● Tables- Forms -input types, input and data list Elements
- ● Multimedia-HTML5 Audio & video elements

INTRODUCTION TO CASCADING STYLE SHEETS(CSS) (5 HRS)

- Introduction to CSS3-Basic syntax and structure-Inline Styles.

- Embedded Style Sheets-Linking External Style Sheets.

- Exploring CSS Selectors-Properties-values.

- Positioning Elements: Absolute Positioning- Relative Positioning - BackgroundsList Styles- Table Layouts

- Box Model and Text Flow, Basics of Responsive CSS-Media p ort & Media Queries
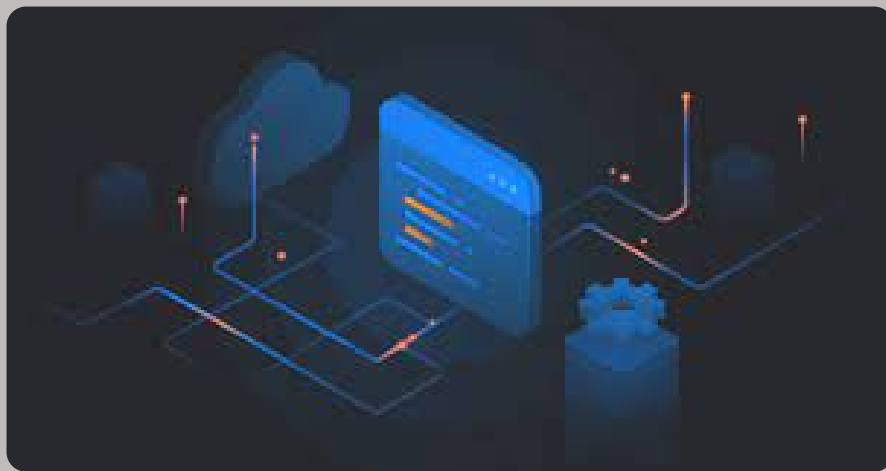
INTRODUCTION TO JAVASCRIPT (5 HRS)

- Introduction to Scripting- Programming fundamentals of JavaScript

-Obtaining User Input with prompt Dialogs

- Arithmetic-Decision Making.

- Control Statements,Arrays

- Document Object Model (DOM)- Form processing

INTRODUCTION TO PHP (6 HRS)

- Building blocks of PHP-Variables, Data Types simple PHP program.
- Converting between Data Types, Operators and Expressions -Flow Control functions.
- Control Statements -Working with Functions.
- Initialising and Manipulating Arrays- Objects.
- Working with Strings-String processing with Regular expression, Pattern Matching.
- Form processing and Business Logic.

PHP –MYSQL

- ● Cookies- Sessions
- ● PHP & MySQL Integration-Connecting to MySQL with PHP
- ● Working with MySQL data
- ●   Performing CREATE, DELETE, INSERT operations on MySQL table from PHP Program.
- ●   Performing SELECT and UPDATE operations on MySQL table from PHP Program.
- ● Building Dynamic Content in PHP applications.

JSON

- JSON Data Interchange Format -Syntax, Data Types, Object
- JSON Schema, Manipulating JSON data with PHP

LARAVEL

- Laravel Overview- Design Pattern- Laravel Features
- Setting up a Laravel Development Environment-Application structure of Laravel
- Laravel Basics Routing -middleware - Controllers
- Route Model Binding-Views-Redirections

Blade Templating-echoing data, control structures

CONTACT INFORMATION

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