ROICOMSAT ICT ACADEMY

Scheme of Work 2023

List of Programmes

- Web Front End
    - React JS
    - Angular JS
    - Vue JS
    - Laravel
    - Vanilla Web Design
- Android Front End
    - Android Studio (Java)
    - React Native
- iOS Front End
    - Xcode (Objective-C)
    - React Native
- Backend (Vanilla PHP)
- Backend (Python Django)
- Backend (JavaScript Node jS)

SCHEME OF WORK FOR WEB DEVELOPMENT (FRONT END)

Week	Objectives	Area of Concerntration	Duration
1	To get familiar with web technologies and terminologies.	Overview of Web Basics (HTML, CSS, JavaScript DOM)	4 Hours
2	To understand Hyper-text Mark-up Language and its relationship with Cascading Stylesheet	- Introduction to HTML - Building basic interface with HTML - Styling interface with CSS	10 Hours
3	To build a functional web interface	Complex arrangement of HTML element and application of complex styles	10 hours
4	To build a functional web interface	Introducing reactivity in web interfaces with	6 hours

		JavaScript DOM manipulation	
5	Advancing to modern technologies and libraries	JavaScript Programming Basics	10 Hours
6	Advancing to modern technologies and libraries	Advanced Concepts in JavaScript	10 Hours
7	Consuming Libraries & Frameworks of JavaScript	Introduction to React JS	10 Hours
8	Consuming Libraries & Frameworks of JavaScript	Class Components and Life cycle methods	10 Hours
9	Consuming Libraries & Frameworks of JavaScript	Functional Components and React Hooks	10 Hours
10	Understanding third-party libraries	Introduction to Redux library for state management	10 Hours
11	Understanding third-party libraries	Application of other libraries and development dependencies	10 Hours
12	ConclusionConclusion	Conclusion	Conclusion