ALTALUNE TECHNOLOGY

REACT NATIVE

INTRODUCTION
- ❖ IOS Concepts
- ❖ Introduction of OS
- ❖ Types of OS

JAVA SCRIPT
- ❖ Introduction to JavaScript
- ❖ Java Script Language Basics
- ❖ JavaScript Objects
- ❖ JavaScript Scope
- ❖ JavaScript Events
- ❖ JavaScript Strings
- ❖ JavaScript Numbers
- ❖ JavaScript Math
- ❖ JavaScript Arrays
- ❖ JavaScript Boolean
- ❖ JavaScript Comparisons
- ❖ JavaScript Conditions
- ❖ JavaScript Switch
- ❖ JavaScript Loops
- ❖ JavaScript Type Conversion
- ❖ JavaScript RegExp
- ❖ JavaScript Errors
- ❖ JavaScript Debugging
- ❖ JavaScript Hoisting
- ❖ JavaScript Strict Mode
- ❖ JavaScript Functions
- ❖ JavaScript Objects
- ❖ JavaScript Forms
- ❖ JavaScript HTML DOM
- ❖ JavaScript BOM

Advance JavaScript (ES 6)
- ❖ Introduction to ES 6
- ❖ Let and Constant
- ❖ Arrow Function
- ❖ Template Literals
- ❖ Class and Inheritance
- ❖ Rest parameter and Spread Operator
- ❖ Map, Filter and Reduce function

- ❖ Modules
- ❖ Destructuring
- ❖ For in and For of loop

Type Script
- ❖ Introduction to Typescript
- ❖ Environmental Setup
- ❖ Types
- ❖ Object Oriented Features
- ❖ Interfaces
- ❖ Modules

REACT NATIVE

Overview React Native
- ❖ A word on hybrid mobile development
- ❖ What is React Native
- ❖ Preparing development environment
- ❖ Node, Watchman, XCode, Android Studio
- ❖ React Native CLI
- ❖ Creating And Running HelloWorld React Native
- ❖ Birds view on mobile platforms iOS and android
- ❖ First Debugging steps

BASIC FEATURES OF REACT JS
- ❖ React Concepts
- ❖ JSX and TSX
- ❖ Function and Class Components
- ❖ Props and State
- ❖ Handling Events
- ❖ Dynamic Data Rendering
- ❖ Property Binding
- ❖ Conditional Rendering

COMPONENT LIFECYCLE HOOK
- ❖ Understanding component lifecycle
- ❖ All Lifecycle Hooks

NETWORK CALL
- ❖ Fetch
- ❖ Axios

CUSTOM SERVICES
- ❖ Introduction to Services
- ❖ Building a Service

INTRODUCTION TO REDUX
- ❖ Why Redux
- ❖ Install and setup

- ❖ Store , Reducer, actions
- ❖ Dispatcher
- ❖ High order Components
- ❖ mapStateToProps and mapDispatchToProps usage

ADVANCE REDUX

- ❖ Async Actions
- ❖ Middleware
- ❖ Redux Thunk and Redux Saga

React Hooks

- ❖ Why we need Hooks.
- ❖ Different types of Hooks
- ❖ Using state and effect Hooks
- ❖ useReducer ,useRef etc.
- ❖ Custom Hooks
- ❖ Rules of Hooks

Working With Styles and Layout

- ❖ Exploring Styles and using styles
- ❖ Inline Styles, Style Objects, Stylesheet
- ❖ Exploring layout
- ❖ Understanding Box model
- ❖ Understanding Flexbox model
- ❖ Styling Text
- ❖ Styling Images
- ❖ Debugging Styles

React Native Components

- ❖ What are React Native Components?
- ❖ View
- ❖ Text
- ❖ Image
- ❖ Touchable
- ❖ List View
- ❖ Scroll View
- ❖ Modal
- ❖ WebView
- ❖ Tab Bar
- ❖ Text Input
- ❖ Slider
- ❖ Switch
- ❖ Picker

React Native API's

- ❖ What are React Native APIs
- ❖ Alert
- ❖ Handling permissions
- ❖ Geolocation
- ❖ Vibration

Navigation

- ❖ What is Navigation
- ❖ Challenges with navigation
- ❖ Possible solutions for navigation
- ❖ Setting up React Native navigation library
- ❖ Working with React Native navigation
- ❖ Styling the navigator
- ❖ OS Specific use cases

Remote Communication

- ❖ What is remote communications?
- ❖ Libraries available
- ❖ Fetching data using fetch
- ❖ Working with axios for CRUD

Project: E-commerce App

Developing Application Architecture

- ❖ Discussing Application Architecture
- ❖ Building Application Layer

Login and Sign Up

- ❖ Implementing Login and signup
- ❖ Developing Customer CRUD Operations
- ❖ Managing User session
- ❖ Implementing Authorization

Developing Category, Product Operations

- ❖ Developing Category CRUD Operations
- ❖ Developing Product CRUD Operations

Product Listing

- ❖ Displaying Products to Users
- ❖ Applying Paging and Sorting

Shopping Cart

- ❖ Products Searching
- ❖ Adding Products to Shopping Cart
- ❖ Removing Products to Shopping Cart

Payment Gateway

- ❖ Understanding Payment gateway Process
- ❖ Integrating Payment Gateway

- ❖ Listing Successful Transactions
- ❖ Listing Failed Transactions

Deployment and Testing

- ❖ Compiling app for Android and IOS
- ❖ Testing App on real devices

Publishing

- ❖ App deployment on Google store
- ❖ App deployment on Apple store