Mobile App Development (8 Weeks)

10th October 2022 to 2nd December 2022 (Monday - Friday)

14:00 HRS - 20:00 HRS (IST)

The Programme consists of the following modules:

Java Programming
- Learning basics of java concepts and server programming in java
- Develop, debug and test app on IDE

Android App Development
- To understand Android OS SDK and its features
- Develop, debug and test app on android studio

Hybrid Mobile App Programming
- To understand Hybrid App and its features
- Develop, debug and test app on Visual studio

JAVA Programming

- Fundamental Programming Structures in Java
- Classes and Objects in Java
- Object Design and Programming with Java
- Java Interfaces
- Java Exception Handling
- Collections API
- JDBC

ANDROID Programming

- Introduction of android
- Why develop for android

- Activities and Tasks
- Android SDK features
- Development Environment of Android SDK
- Creating android activities
- Fundamental android UI design
- Intents, adapters, dialogs
- Multimedia and graphics
- Activity and services
- Broadcast Receiver
- Material Design UI
- Data Storage
- Android Technique for saving data
- Data base in Androids
- Notification
- FireBase cloud Messaging
- Social Service integration (like Facebook, Twitter etc.)
- Sensor programming
- Client Server application
- Json parsing
- REST API

HYBRID Mobile Programming
- HTML 5.0
- CSS
- jScripts
- Javascript validations
- Node.js
- Introduction to React Native platform to build applications for android and iOS
- Environment setup
- Fundamental UI design
- React native components
- React native API