Advanced Android App Development Syllabus

Multithreading:

- Thread (Day 1)
- Using Java Multithreading classes (Day 1)
- How to use Handler Class (Day 2)
- UI Thread (Day 2)
- Android Applications on Multithreading(My Splashscreen, Stopwatch, ThreadHandler) (Day 3)

Sensors in Android

- Sensor Listener (Day 4)
- Sensor Manager (Day 4)
- Sensor Events (Day 4)
- Android Application on Sensors(Accelerometer and Proximity) (Day 5)

Android Location Based Services

- Geo-Coding and Reverse Geo-Coding (Day 6)
- Intent Service (Day 6)
- How to get Location address in an Android app (Day 7)
- Application to track the user's Location(Latitude, Longitude and Address) (Day 8)

Android Google Maps

- Discussion on Google API Console (Day 9)
- How to create Google Maps API key, Google Places API key (Day 9)
- Android Google Map Application Development to place the marker in user's current location, search any places and navigate (Day 10)

Android Web Services

- Uses and Characteristics of Json in Real Time (Day 11)
- Json Parser (Day 11)
- UI Thread and what is Async Task
- Async Task Operations(onPreExecute(), doInBackground(), onPostExecute()) (Day 11)
- API formation (Day 12)
- Android Applications to parse Json Data from API (Day 13)

Android WebView

- How to design and Develop Android Web Application for any Website (Day 14)
 - Modification and Updation of Android Webview (Day 15)

4 Hours - 3 Topics

6 Hours - 6 Topics

4 Hours - 2 Topics





6 Hours - 6 Topics

4 Hours - 4 Topics

6 Hours - 4 Topics





Android WiF

- Wifi Manager API (Day 16)
- Broadcast Receiver (Day 16)
- Android Wifi Application (Day 17)

Android Bluetooth

- Bluetooth Adapter (Day 18)
- Bluetooth Permissions (Day 18)
- Android Bluetooth Application Development (Day 19)

Android Application Security

- How to Secure the Android Application? (Day 20)
- APK attack surface (Day 20)
- Application Obfuscation (Day 20)
- Mobile Application security scanner (Day 20)

2 Hours - 4 Topics

4 Hours - 3 Topics

4 Hours - 3 Topics