

Android Programming

Course Duration: 80 Hours

Module 1:

- Getting started with android
- Application fundamentals
- Activities and tasks
- Components and layouts

Module 3:

- Creating menus
- Styles and themes
- Creating dialogs
- Adding menus and icons

Module 5:

- Multimedia in android
- Multimedia supported audio formats
- Simple media playback
- Supported video formats

Module 7:

- Basic content providers
- Content provider mime types
- Searching for content
- Adding, changing, and removing content

Module 9:

- Animations
- Programmatically creating animations
- Introducing tweened animations
- Applying tweened animations

Module 10:

- Accessing android hardware
- Using the media apis
- Using the camera
- Using the accelerometer and compass
- Using Bluetooth

Module 2:

- Working with resources
- Android layouts and views
- Handling user interaction events
- Grouping, accessing of resources

Module 4:

- Notifying the users
- Debugging android applications
- Intent and intent filters
- Toast, Status bar, dialog notification

Module 6:

- SQL database
- Introducing SQLite
- SQLite open helper and creating a database
- Opening and closing a database
- Android App Connection using Firebase

Module 8:

- Graphics and Animations
- Drawing graphics in android
- Drawing with xml
- Canvas drawing best practice

