

## **Introduction to Android Studio:**

- Introduction
- Setting up your system
- Installing Android Studio
- Android Studio Overview
- Opening Sample Projects
- Formatting Text
- Buttons
- Text Fields
- Displaying Messages
- Images
- Project – I

## **Java Deep Dive:**

- Introduction
- Hello World With Java
- Variables
- Arrays
- If Statements
- Project - II
- Loops
- Classes and Objects
- App Number Shapes

## **Media: Images, Video and Sound**

- Introduction
- Layout
- Fading Animations
- Other Animations
- Project – III
- Video
- Controlling Audio
- Audio Volume Seeking
- Grid Layouts
- App Basic Phrases
- Project –IV

## **Advanced Android Features:**

- Introduction
- List Views
- Project – V
- Timers in Android
- Project – VI
- Showing & Hiding UI Elements
- Project – VII
- Try and Catch
- Downloading Web Content
- Downloading Images
- Advanced String Manipulation
- Project – VIII
- JSON
- Project – IX

## **Maps & Geolocation**

- Introduction
- Using Maps in your apps
- Customising maps
- Getting the user's location
- Showing the user's location on a map
- Getting information about locations
- Project – X
- Adding a new activity
- Project – XI

## **Permanent Data Storage**

- Introduction
- Storing Data Permanently
- Customising the action bar
- Using the Alert Dialogs
- Project – XII
- SQLITE databases
- Advanced SQLITE
- Web view
- Project – XIII

## **Live Project – 14(Media Based)**

## **Live Project – 15(Game)**

## **Live Project – 16(VR Based)**

## **Virtual Reality:**

- Introduction to VR
- Daydream Elements
- Development Tools
- VR PROJECT