

## Day 1

- Android Introduction and Architecture
- Android life cycle
- Android installation, SDK Manager
- Emulator, Activity

## Day 2

- Android first app
- Android User Interface (views, layout)

## Day 3

- Intent, Intent filter
- Android Manifest, XML

## Day 4

- ActionBar, OptionsMenu, custom views
- Styling views, theme

## Day 5

- ListView and ListActivity
- Custom ListAdapter

- Custom Layout

## Day 6

- File preferences, file and Access
- Restrictings, permissions

## Day 7

- Android Security using permissions
- Defining permissions

## Day 8

- Sqlite and content provider
- Sqlite Database

## Day 9

- Android System services, Alert Manager
- Definition of own services

## Day 10

- AsyncTask
- Using AsyncTask to perform background operation

- Handling background thread in AsyncTask

## Day 11

- Apache Http client,
- JSON parser, Connecting with servers

## Day 12

- Notification Manager, Notification Builder Rich Notification

## Day 13

- Introduction of fragments
- Uses of fragment
- Difference between activity and fragment

## Day 14

- ViewPager
- Types of Adapter in viewPager
- Combining viewPager with other view (such as tabs)

## Day 15

- Navigation drawer

## Advance topics

Backward compatibility

Service and broadcasts

Using third party api and library

User login using google plus and facebook

Push Notication in android

Payment process using google wallet or paypal

Google Analytics

Canvas Api and Animation

GridView

Google Map and Location Api

Audio and Video

Android App Testing Testing