

# Android Syllabus

## Advance Android

### Android Service

- ✓ Android Service
- ✓ Android Service API
- ✓ Android Started Service
- ✓ Android Bound Service
- ✓ Android Service Life Cycle
- ✓ Android Service Example

### Data Storage

- ✓ Shared Preferences
- ✓ Internal Storage
- ✓ External Storage

### SQLite

- ✓ SQLite API
- ✓ SQLite Spinner
- ✓ SQLite ListView

### XML & JSON

- ✓ XML Parsing SAX
- ✓ XML Parsing DOM
- ✓ XML Pull Parser
- ✓ JSON Parsing

### Content Provider

- ✓ Content Provider Fundamental
- ✓ Contact Content Provider
- ✓ Other Built-in Content Providers
- ✓ Creating Custom Content Provider
- ✓ Understanding Content URI
- ✓ ContentResolver
- ✓ Sharing Information from custom content provider

### Android Notification

- ✓ Notification API

- ✓ Creating Notification Builder
- ✓ Setting Notification Properties
- ✓ Attaching Actions
- ✓ Issuing Notification
- ✓ NotificationCompat.Builder class
- ✓ Android Notification Examples

## Multimedia

- ✓ Wallpaper
- ✓ Live Wallpaper
- ✓ Multimedia API
- ✓ Playing Audio
- ✓ Creating Audio Player
- ✓ Playing Video
- ✓ Alarm Manager
- ✓ Gallery

## Speech API

- ✓ TextToSpeech API
- ✓ TextToSpeech Example
- ✓ Managing speed and pitch
- ✓ Speech To Text

## Telephony API

- ✓ Telephony Manager
- ✓ Get Call State
- ✓ Call State BroadcastReceiver
- ✓ Simple Caller Talker
- ✓ Making Phone Call
- ✓ Send SMS
- ✓ Send Email

## Location API

- ✓ Location API Fundamental
- ✓ Example of Android Location API
- ✓ Working with Google Maps

## Animation

- ✓ Android Animation API
- ✓ Android Drawable class
- ✓ Android Animation Example
- ✓ Android Rotate Animation
- ✓ Android Fade Animation
- ✓ Android Zoom Animation

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## Device Connectivity

- ✓ Bluetooth Tutorial
- ✓ List Paired Devices
- ✓ Working with WiFi
- ✓ Working with Camera

## Sensor

- ✓ Sensor API
- ✓ Motion Sensor
- ✓ Position Sensor
- ✓ Environmental Sensor
- ✓ Sensor Values
- ✓ SensorManager class
- ✓ Sensor Class
- ✓ SensorEvent class
- ✓ SensorEventListener interface
- ✓ Compass Accelerometer and Orientation Sensors
- ✓ Sensor Examples

## Android Graphics

- ✓ Graphics API
- ✓ 2D Graphics
- ✓ android.graphics.Canvas
- ✓ android.graphics.Paint class

## Android P2P Communication

- ✓ Introducing Instant Messaging
- ✓ Using the GTalk Service
- ✓ Monitoring the Roste for Changes
- ✓ Sending and Receiving Data Messages
- ✓ Transmitting Data Messages
- ✓ Receiving Data Messages

## Android Web Services

- ✓ What is web service
- ✓ Soap Vs Restful web service
- ✓ Android Restful web service example with java servlet
- ✓ Storing data into external oracle database
- ✓ Verifying data in android with external oracle database

## Android Google Map

- ✓ Android Map V2 API

- ✓ Adding Map
- ✓ Customizing Map
- ✓ GoogleMap class
- ✓ Android Google Map Application

## Project Development

