

Course Code	: C026	Registration Fee	: ₹ 200
Course Name	: Certificate in Android	Exam Fee	: ₹ 300
Duration	: 1 Month	Fee	: ₹ 8000
		Total	: ₹ 8500

SNO	Topic	Content
1.	Basics of Android	What is Android, History and Version, Installing softwares, Setup Eclipse, Hello Android example, Internal Details, Dalvik VM, Software Stack, Android Core Building Blocks, Android Emulator, AndroidManifest.xml, R.java file, Hide Title Bar, Screen Orientation
2.	UI Widgets	Working with Button, Toast, Custom Toast, Button, Toggle Button, Switch Button, Image Button, CheckBox, AlertDialog, Spinner, AutoCompleteTextView, RatingBar, DatePicker, TimePicker, ProgressBar, Quick Contact Budge, Analog Clock and Digital Clock, Working with hardware Button File Download
3.	Activity, Intent & Fragment	Activity Lifecycle, Activity Example, Implicit Intent, Explicit Intent, Fragment Lifecycle, Fragment Example, Dynamic Fragment
4.	Android Menu	Option Menu, Context Menu, Popup Menu
5.	Layout Manager	Relative Layout, Linear Layout, Table Layout, Grid Layout,
6.	Adaptor	Array Adaptor, ArrayList Adaptor, Base Adaptor
7.	View	GridView, WebView, ScrollView, SearchView, TabHost, DynamicListView, ExpandedListView

Advance Android

SNO	Topic	Content
1.	Android Service	Android Service, Android Service API, Android Started Service, Android Bound Service, Android Service Life Cycle, Android Service Example
2.	Data Storage	Shared Preferences, Internal Storage, External Storage
3.	SQLite	SQLite API, SQLite Spinner, SQLite ListView
4.	XML & JSON	XML Parsing SAX, XML Parsing DOM, XML Pull Parser, JSON Parsing
5.	Cotent 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
6.	Android Notification	Notification API, Creating Notification Builder, Setting Notification Properties, Attaching Actions Issuing Notification, NotificationCompat.Builder class, Android Notification Examples
7.	Multimedia	Wallpapaer, Live Wallpaper, Multimedia API, Playing Audio, Creating Audio Player, Playing Video, Alarm Manager, Gallery
8.	Speech API	TextToSpeech API, TextToSpeech Example, Managing speed and pitch, Speech To Text

9.	Telephone API	Telephony Manager, Get Call State, Call State BroadcastReceiver, Simple Caller Talker, Making Phone Call, Send SMS, Send Email
10.	Location API	Location API Fundamental, Example of Android Location API, Working with Google Maps
11.	Animation	Android Animation API, Android Drawable class, Android Animation Example, Android Rotate Animation, Android Fade Animation, Android Zoom Animation
12.	Device Connectivity	Bluetooth Tutorial, List Paired Devices, Working with WiFi, Working with Camera
13.	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
14.	Android Graphics	Graphics API, 2D Graphics, android.graphics.Canvas, android.graphics.Paint class
15.	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
16.	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
17.	Android Google Map	Android Map V2 API, Adding Map, Customizing Map, GoogleMap class, Android Google Map Application
18.	Project Development	