

Training Schedule – Android Application Development Course

Session	Title	Details
Session 1	JAVA Concepts	• OOPs Concepts • Inheritance in detail • Exception handling • Packages & interfaces • JVM & .jar file extension • Collections - Vector, List, Array List, • Multi Threading(Thread class & Runnable Interface) • JDBC (Java Database Connectivity)
Session 2	SQL	• DDL Queries (Create, Alter, Drop) • DML Queries (Insert, Update, Delete) • View, Procedure
Session 3	Introduction to Android	• What is Android? • Setting up development environment • Dalvik Virtual Machine & .apk file extension
Session 4	Application Structure (in detail)	• Android Manifest • Resources & R.java • Values – strings • Layouts & Drawable Resources • Activities and Activity lifecycle • First sample Application • Deploying sample application on a real device
Session 5	Emulator - Android Virtual Device	• Launching emulator • Editing emulator settings • Emulator shortcuts • Logcat usage

		• Introduction to DDMS • Values – strings • Activities and Activity lifecycle • First sample Application • Deploying sample application on a real device
Session 6	Basic UI design	• Form widgets • Text Fields • Layouts • Relative Layout ,Table, Layout, Frame Layout, Linear Layout • Nested layouts • [dip, dp, sip, sp] versus px□ • Shared Preference
Session 7	Menu	• Option menu • Context menu • Sub menu • Menu from xml • Menu via code • Examples
Session 8	Assignment	
Session 9	Intents (in detail)	• Explicit Intents • Implicit intents • Examples
Session 10	UI design	• Time and Date • Images and media • Composite • AlertDialogs & Toast • Examples
Session 11	SQLite Programming	• SQLite Programming • SQLiteOpenHelper

		• SQLite Databse
Session 12	Content Providers	• Content providers • Defining and using content providers • Reading and updating Contacts
Session 13	Notifications	• Broadcast Receivers • Services and notifications • Toast • Examples
Session 14	Advanced	• Using sdcards – Reading and writing • XML Parsing • JSON Parsing • including external libraries in our application • Accessing Phone services (SMS) • Network connectivity services • Sensors • Action bar tabs and custom views on Action bars
Session 15	Working With Google Map	• Maps via intent and MapActivity • GPS, Location based Services
Session 16-20	Projects	Given by the Center
Total Training Hrs		3 Month (3 Hrs/Day)
Total Training Period		5 weeks (20 Days)
Batches		Weekdays (Morn/Even)
		Week Ends
Course Fees		