

# **Certification in Core Android**

## **Syllabus**

**Duration: 60 Hours**

### **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
- DatePickerTimePicker
- 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

### **8. Project Work**

### **9. Placement Assistance Sessions**

- Mock Interviews
- GDs
- Preplacement Talks
- Industry Exposer Sessions

### **10. Internship**