

Academic Year : 2018-2019
Course Name : Android *ESSENTIALS*
Course Code : ADD-CS-02
Training Firm : Progressive Software Solutions & Training

Course Outcome

- CO1 Exemplify install and configure Android application development tools
- CO2 Building user interfaces for the android platform
- CO3 Articulate Java programming concepts to Android application development
- CO4 Outlining programming knowledge
- CO5 Building ability to deploy software to mobile devices
- CO6 Adapting ability to debug programs running on mobile devices

Syllabus

Android Basics	<ul style="list-style-type: none"> • Architecture • API levels and Names • Application Structure – Form Widgets, Fields. • Activity – Layouts, Design, Components, Lifecycles • Manifest File • Resource Folder • Hello World (Sample Program)
Simple Programs	<ul style="list-style-type: none"> • Calculator • App with intent • Registration and Login
Handling Data	<ul style="list-style-type: none"> • Passing data with intent • Shared Preference • Notification - Toast and Alert • Sqlite Open Helper
SQLite	<ul style="list-style-type: none"> • Sql Queries (DML & DDL) • Sample program with sqlite
RecyclerView	<ul style="list-style-type: none"> • Sample Programs
Web Service	<ul style="list-style-type: none"> • Familiarize HeidiSQL + MySql • DBConnection Class in java • Sample soap service in java
Native	<ul style="list-style-type: none"> • Content Provider • Broadcast Receiver

