

**Annexure – I**  
**Course Curriculum**

**CSW102A: ADVANCED DIPLOMA IN ANDROID APPLICATION DEVELOPMENT**

**Module Duration:** 420 Hours

**Objective**

This is a hands on course which provides participants with the information and lab experience necessary to develop and deploy Android applications. This course starts with core java and covers SQL programming and Android application Development.

**Course Description**

| SINo. | Course Modules      | Hours |
|-------|---------------------|-------|
| 1     | Core Java           | 140   |
| 2     | Android Application | 140   |
| 3     | Project             | 140   |

**Core Java**

Introduction to Java Platform, Data Types, Variables, Arrays, Operators, Control Statements, Java Classes and Objects, Methods, Inheritance, Packages and Interfaces, Exception Handling, Threads and Multi Threading, I/O, String Handling, Java.Lang, Collections, Network Programming, Java AWT, Event Handling, Applets, Graphics, JFC Swing, JDBC.

**Android Application**

Introduction to Android, Development Environment, Emulator-Android virtual device, UI Design-Activities, Layouts, Menus, Styles and Themes, Debugging Android applications, intents and Notification services, Content Providers-SQLite, Adapters and Widgets, Multimedia, Location based services, Packaging and deployment.

**Project**

Students are required to develop an Android application under the guidance of the faculty. Students can also take up relevant projects from the industry.