



**Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
Miramar, Panaji-Goa**

Android Development

[2 Credits 30 hours]

Course Objective:

The course is intended to design applications that run on android operatic system.

Learning Outcome:

The students will be able to create real time applications that run on android operatic system.

Course Content

1. What Is Android? :Brief History of Embedded Device Programming, Open Handset Alliance and Android,Introduction to Android(4)
2. Downloading and Installing Eclipse :Why Eclipse?,Downloading and installing the JRE,Downloading and Installing Eclipse,downloading and Installing the Android SDK, Downloading the Android SDK , Downloading and Installing the Android Plugin for Eclipse,Configuring the Android Plugin for Eclipse(6)
3. Exploring the Android SDK ,What Is in the Android SDK? ,Android Documentation ,Android Samples ,Try This: Run the API Demos Sample Application , Android Tools , APIs ,Application Life Cycle ,Standard ASP Application Life Cycle ., Android Application Life Cycle .,(5)
4. Application: Hello World! : Creating Your First Android Project in Eclipse , Examining the Android-Created Files ,AndroidManifest.xml , Referenced Libraries ,,Directories Hello world using an image(5)
5. Using the Command-Line Tools and the Android Emulator: Creating a Shell Activity Using the Windows CLI , Running the ActivityCreator.bat ,the Project Structure ,Creating the Hello World! Activity in the Windows CLI , Editing the Project Files(5)
6. Lists, Menus, and Other Views :Building the Activities ,Intent Code for the .xml File ,Intent Code for the .java File ,Modifying the AndroidManifest.xml , Using the Menu , Creating the Activity for AutoComplete ,Button ,checkBox ,EditText ,RadioGroup ,Spinner .(5)

Reference

1.J.F. DiMarzio, Android – a programmers guide

Ms Shilpa Naik