



S.J. GOVERNMENT POLYTECHNIC

Bangalore

Affiliated to Board of Technical Education

Proudly Presents

State Level Workshop
on
ANDROID
OPERATING SYSTEM

5th to 7th of Mar 2018

Timing: 9.30am to 4.30 pm

Organized by: Dept of Computer Science and Engg.





Android

Mobile Operating System

ARCHITECTURE, FEATURES, APP DEVELOPMENT AND TESTING

About the trainer

▶ Name: Anuradha C

- ▶ BE Comp Sc, MBA
- ▶ Over 18 years IT Industry experience
- ▶ Worked in TCS, Huawei for over 12 years as System Architect , Product Manager
- ▶ Current role
 - ▶ Freelance corporate trainer for IT / Telecom technologies
 - ▶ Technology consultant for IT start-ups
 - ▶ Technical Blogger, editor, web site content manager
 - ▶ Sample article – (<http://academy.whatfix.com/search-better-than-google-search/>)

Training Format

- ▶ **3 Full days workshop (Mar 05-07, 2018)**
- ▶ **Morning session (9.30-1PM)**
 - ▶ **Theory session**
 - ▶ **Industry case studies**
- ▶ **Afternoon sessions (1.30-4.30PM)**
 - ▶ **Programming assignments**

Day 1 - Schedule

- ▶ **Theory Session - Morning**
 - ▶ About Mobile OS
 - ▶ Android vs Other OS
 - ▶ Android architecture
 - ▶ Android version history
- ▶ **Practical Lab Session – Afternoon**
 - ▶ Install Android Development Studio for Windows
 - ▶ Build and Run Demo Apps

Day 2 & 3- Schedule

- ▶ **Theory Session - Morning**
 - ▶ All about Android apps
 - ▶ App development – design and program your own Android app
 - ▶ Running Apps using Android Device Simulator
 - ▶ App testing
 - ▶ Install App on phone and execute the app developed
- ▶ **Practical Lab Session – Afternoon**
 - ▶ Configure Android Device Simulator on Windows PC
 - ▶ Exercises - Develop and Run Android apps

Download Links (Windows / Linux)

JDK

- ▶ <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Android Studio

- ▶ <https://developer.android.com/studio/install.html>

Android Sample Apps

- ▶ https://github.com/codepath/android_guides/wiki/Sample-Android-Apps