

**MRSPTU DEC 5-9**

TRAINING INFORMATION	
NAME OF THE UNIVERSITY/INSTITUTION	Maharaja Ranjit Singh Punjab Technical University, Bathinda (MRSPTU)
TRAINING DATES	December 5-9
TIME	10:00am - 6:00pm
PROJECTED NUMBER OF FACULTY TO ATTEND	25
ON CAMPUS OR EXTERNAL SITE?	On Campus
ADDITIONAL NOTES OR SPECIAL REQUESTS	

CAMPUS INFORMATION: (If training is taking place on campus)	
ADDRESS OF TRAINING	Giani Zail Singh Campus College of Engg. & Tech (A campus constituent college of Maharaja Ranjit Singh Punjab Technical University) Bathinda
ON-SITE CONTACT NAME	<ul style="list-style-type: none"><li>• Mr Sanjay Bhatnagar, Director, IT Enables Services, MRSPTU, Bathinda</li><li>• Dr. Naresh Garg, Prof. &amp; Head, Dept of Computer Sc &amp; Engg. GZSCCET, Bathinda</li></ul>
PHONE NUMBER	<ul style="list-style-type: none"><li>• 88725-00265</li><li>• 87250-72491</li></ul>
EMAIL	<ul style="list-style-type: none"><li>• <a href="mailto:dir.ies@mrsstu.ac.in">dir.ies@mrsstu.ac.in</a></li><li>• <a href="mailto:dir.cd@mrsstu.ac.in">dir.cd@mrsstu.ac.in</a></li><li>• <a href="mailto:myselfgurpreet@gmail.com">myselfgurpreet@gmail.com</a></li></ul>

**Instructor Information:**

Name: Prashant Ranjan

Email address: prashant.ranjan@koenig-solutions.com

Contact number: 918800342255

**Lab Setup:**

*\*University POC to ensure setup is complete prior to actual training date. If working in a Linux environment, please let us know so we can alert the instructor (directions are also included below).*

Android Studio Manager

<https://developer.android.com/studio/index.html>

**System Requirement:**

PC: Windows 7 / 8 or higher (32 / 64 bit)

RAM: 8 GB

Space: 10 GB Recommended (IDE + Emulator Requirement)

Accelerated Emulator Function: Intel process should have support of Intel VT-x. (Some system might not have Intel VT-x technology, Read below further Steps.)

#### **Lab Requirement:**

Projector: Required

White board with Marker: Required

Internet: Required (5 MBPS min)

Security Policies: Disabled

#### **Steps to install Android Studio:**

1. Download JDK & install it.  
<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
2. Download Android Studio & install it.  
<https://developer.android.com/studio/index.html>
3. Open Android Studio & Configure > Android SDK Manager
  - a. Click on Launch Standalone SDK Manager
  - b. Select complete list of latest android version only.
  - c. Select – Extras – Intel x86 Emulator Accelerator Installer. (If not installed).

#### **Steps to Enable Intel VT-x:**

Caution: Most of PC will have default Enabled this feature

Confirmation about Intel VT-X enable / disable

1. Open Android Studio > Configure > Android SDK Manager
  - a. Click on Launch Standalone SDK Manager
  - b. Select – Extras – Intel x86 Emulator Accelerator Installer. (If not installed).
2. Copy SDK Location Path from Android SDK Manager.
3. Open location in My Computer and look for Extras > Intel .
4. Install Intel HAXM feature.

If still gets Error, Trainer will resolve the same.

#### **NOTE:**

For any issue in Lab Setup, please inform as soon as possible to Trainer. Trainer will surely help using Team View.  
*Please confirm Lab Setup two days before training.*

#### **Android Installation on Linux:**

Setting up Android Studio takes just a few clicks. (You should have already downloaded Android Studio.)

To install Android Studio on Linux, proceed as follows:

1. Unpack the .zip file you downloaded to an appropriate location for your applications, such as within /usr/local/ for your user profile, or /opt/ for shared users.
2. To launch Android Studio, open a terminal, navigate to the android-studio/bin/ directory, and execute studio.sh.
3. Select whether you want to import previous Android Studio settings or not, then click OK.
4. The Android Studio Setup Wizard guides you through the rest of the setup, which includes downloading Android SDK components that are required for development.

Tip: To make Android Studio available in your list of applications, select Tools > Create Desktop Entry from the Android Studio menu bar.

Required libraries for 64-bit machines:

- If you are running a 64-bit version of Ubuntu, you need to install some 32-bit libraries with the following command:  
`sudo apt-get install libc6:i386 libncurses5:i386 libstdc++6:i386 lib32z1 lib32bz2-1.0`
- If you are running 64-bit Fedora, the command is:  
`sudo yum install zlib.i686 ncurses-libs.i686 bzip2-libs.i686`

**Training Participants:**

	Institution Name	Comments	Faculty Name	Contact #	Email ID
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**Course Materials:**

- [Android Developer Course](#)
- Read "[Where is everything](#)" - how to get to the Practicals and Source code
- Recommended: print out page 2 of that deck and give a copy to each participant

**Evaluation Link:**

Please ensure each participant completes the following form at the commencement of training

[Training Evaluation Form](#)