

On Campus Workshop Program

ON

ANDROID



CETPA

Because Knowledge Matters

ISO 9001: 2008 Certified

“We believe in quality because knowledge matters”

A Professional Workshop on ANDROID**KEY BENEFITS:**

- ✓ CETPA will provide **Project & Technology assistance** to the college & Workshop Participants for **one year**.
- ✓ Mock Sessions of **Programming Techniques of Android** along with various Tools for the First time in any Educational Institute.
- ✓ The students will get an opportunity to learn and interact with **Dedicated and experienced Experts** of the Organization.
- ✓ The sessions will be **“INTERACTIVE”**; it will be learning with fun experience including various **live demo and presentations**.
- ✓ Being **ISO 9001:2008 certified** and an Organization indulged into **Software & Electronic Products Development & Research**, **CETPA Certification** is emphatically **recognized** among the industry.

TOPICS THAT WILL BE COVERED

The objective of the course is to provide a thorough introduction to:

- The Android environment
- Tools for creating Android applications
- The Android approach to structuring applications
- User interfaces

SESSION 1: INTRODUCTION**Android Overview and History**

- ✓ How Android started
- ✓ Why Android is different (and important)

Android Stack

- ✓ Overview of the stack
- ✓ Linux kernel & Native libraries

- ✓ Dalvik virtual machine
- ✓ Apps and its use

SESSION 2: INSTALLATION

- ✓ Downloading Eclipse & Android SDK
- ✓ Installing Eclipse
- ✓ Configuring Android
- ✓ Installing ADT Plug-in
- ✓ Opening new project

SESSION 3: EXPLORING ANDROID SDK

- ✓ Android architectural overview
- ✓ Platforms
- ✓ Tools and Versions of Android
- ✓ XML versus Java UI
- ✓ Views and layouts

SESSION 4: CREATING APPLICATION

Hello World App

- ✓ Creating your first project
- ✓ The manifest file , Layout resource
- ✓ Running your app on Emulator Main Building Blocks
- ✓ Activities
- ✓ Activity lifecycle ,
- ✓ Intents ,Content Providers

SESSION 5: FUTURE WITH ANDROID

- ✓ DOUBTS & QUERY SESSION FOR PARTICIPANTS
- ✓ FREE SEMINAR ON “**JOB MARKET FOR JAVA & ANDROID DEVELOPERS**” FOR ALL PARTICIPANTS BY INDUSTRIAL EXPERTS.

SESSION 6: COMPETITIONS & AWARDS

- ✓ COMPETITION BASED ON WORKSHOP FOR PARTICIPANTS.
- ✓ AWARDS & CERTIFICATES OF HONOUR TO WINNERS.
- ✓ CERTIFICATES OF APPRECIATION TO SELECTED PARTICIPANTS.

- ✓ CERTIFICATES OF PARTICIPATION TO ALL PARTICIPANTS.

DETAILS OF THE PROGRAM

- ❖ Workshop will be conducted for a minimum of 70 participants.
- ❖ Fee will be Rs. 800/- per candidate.

Duration:

- ❖ 2 days workshop of total 16 hours
- ❖ 8 hours a day with 1 hour lunch break.

Salient Features:

- ❖ **MOCK Sessions For better exposure**
- ❖ **Competition at the last session.**
- ❖ **Certificate of participation to all participants.**
- ❖ **Certificate of Honour & Trophy to Winners.**

Eligible Participants:

- ❖ All Engineering, Science or PhD students of Engineering & other Professional courses can attend the workshop.

Workshop Handouts:

- ❖ CETPA – ANDROID KIT Package.
- ❖ A Workshop Notepad to all participants.

NOTE: - The certificates will be provided by CETPA Corporate Office, Noida and will be completely authenticated by CETPA InfoTech Pvt. Ltd. for future reference. The participants will get regular updates on ANDROID Technology through e-mails.

Benefits for the Participating Students

- ❖ Student will be provided **Tutorials & handouts** discussed in the Workshop.
- ❖ Workshop participants will get **heavy discount** on our **training programs** and other **Professional Workshops** valid for one year.
- ❖ **Q&A Sessions** of participants for doubt clearance leading to better subject knowledge.
- ❖ **Competitions** will be held to spot out **budding talents** during the workshop and will be awarded.
- ❖ **Career guidance** will be provided during the program on and life in Engineering industry - an answer of **Engineering students** most generalized **dilemma**, what to do after B.Tech?

Requirements for Running the Workshop Program at the College Campus

- ❖ Seminar Room/Class Room equipped with the LCD Projector or OHP Projector.
- ❖ Good quality public address system, ideally two cordless mikes will be required.
- ❖ Projector /screen along with black/white board for teaching and presentation purpose.
- ❖ One small stereo jack cord to connect in laptop for its sound system.
- ❖ Computer Lab of 50 Nodes.(Actual figure depends on No. of Students and the fields selected)
- ❖ Boarding and Lodging for CETPA Experts.
- ❖ Timing of the workshop will be decided after proper discussion with College Administrator.