Thanks for showing interest in **Vortex IIT Delhi & What After College (WAC) Android Development Workshop.**

Our aim is to address the students' apprehensions and anxieties regarding their career prospects in Android Development. It is a "One-Stop Workshop" for all manner of career related queries. We have lined up the country's best names in the fields of education and skill-building to help the students along in their transition from students to professionals, and answer any career-related questions or doubts they may have, to their utmost satisfaction.

Workshop Dates: 9th & 10th April 2016
Workshop Venue: Indian Institute of Technology Delhi

Top Features
- 2 days long workshop with Prize winning Competitions
- Hundred plus delegates expected from all across North India

Agenda of WAC | Android Development Workshop
- Day 1
    - Session 1 : Introduction to App Development
    - Session 1 : SDK of Android
    - Session 1 : Project creation (Practical)
    - Session 1 : Project structure details (Practical)
    - Session 1 : Life cycle of Android App (Practical)
    - Session 2 : MVC Pattern
    - Session 2 : Layout(Practical)
    - Session 2 : Implementation of View in Android (Practical)
    - Session 2 : Fragment's in Android (Practical)
- Day 2
    - Session 3 : Intent (Practical)
    - Session 3 : SMS Manager in Android (Practical)
    - Session 3 : Introduction to Material Design(Practical)
    - Session 4 : Introduction on Rest Api (Semi Practical)
    - Session 4 : Debugger in Android (Practical)
    - Session 4 : Lint (Practical)
    - Session 4 : Analytics in Android
    - Session 4 : Introducing Third party API in App (practical)
    - Session 4 : Publishing Android App
    - Session 4 : Competition

WAC | Android Development Workshop – Benefits | "Overall expectation at the end?"
- Students should have the knowledge to write test and publish basic app according to industry standard .They should have the understanding what it takes to be an android developers. They should have the concept of implementing their ideas .

"How much do I have to pay?"
- **Standard Pass:** Rs. 1,200/- per student (Inclusive of all applicable taxes)
- **Standard Pass with Lunch:** Rs. 1,700/- per student (Inclusive of all applicable taxes)

"Whom should I contact for registration?"
Nikhil Thakur   0-9911-2335-07   workshop@vortex-iitd.com

Android
(Two Days Workshop Course Content)

Session 1

Introduction to App Development
- What is required to develop an app
- Version's of Android
- Basic App Understanding
- Future of Android App Development

SDK of Android
- Structure of SDK
- Tools in SDK
- Libraries

Project creation (Practical)
- Setting up project
- Including Dependencies
- Creating Emulator
- Emulator's
- Testing App

Project structure details (Practical)
- Folder Structure of Android Project
- Adding Layouts and Java files in android
- Working with Gradles
- Importing existing project

Life cycle of Android App (Practical)
- Overall Flow of Android app
- Practical Example of Life cycle in Android

Session 2

MVC Pattern
- Type of coding standard
- Patterns of writing codes
- What is MVC

Layout(Practical)
- Layout optimisation (Practical)
- How to support multiple Screen and devices in Android
- Type's of Layout and there importance
- Industry Standard for Layout Optimisation

Implementation of View in Android (Practical)
- Widgets's
- Views
- Inflating data over view
- using Resource's , Drawables
- Creating Login screen App
- Setting icon of App

Fragment's in Android (Practical)
- What is Fragment and why its important
- Supporting multiple Fragments

Session 3

Intent (Pratical)
- Handling Intent
- Passing Intent

SMS Manager in Android (Practical)
- Introduction to SMS manager
- Creating App for sending Messages

Introduction to Material Design(Practical)

- What is Material design
- How to implement material design material design in android App

Session 4

Introduction on Rest Api (Semi Practical)

- How we send data over internet
- How fetch data from internet
- Debugger in Android (Practical)
- Lint (Pratical)
- Analytics in Android
- Introducing Third party API in App (practical)
- Publishing Android App
- Competition

Overall Expectation at the end of workshop

Students should have the knowledge to write test and publish basic app according to industry standard .They should have the understanding what it takes to be an android developers. They should have the concept of implementing there ideas .

Pre Requisite

Every computer should be installed with Android Studio, JDK 7 , and SDK version 15 or above and Geny Motion
Very Important as it will take time to install these software and we might miss the real development process otherwise.

Note: This course material is the property of Blue Eminence

For any other query please let us know by mailing us at ananditablueminence@gmail.com