



iPersonality

Course Content

FOR

2 Days

**Workshop on
Android Development**

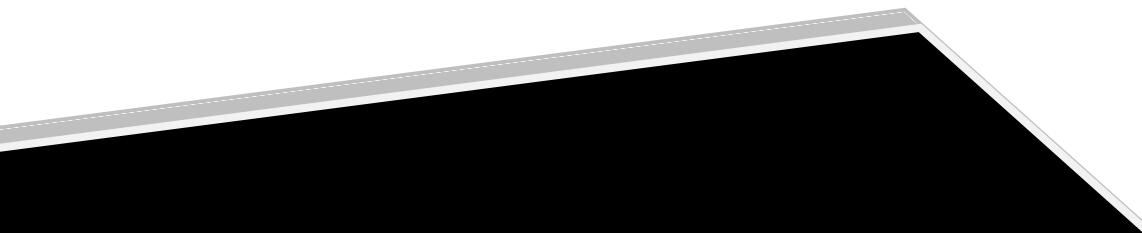
www.ipersonality.in

Workshop Highlights :

- Working with Eclipse IDE
- Designing of Front-End using XML
- Designing of Back-End using Java
- Develop your own Application
- Use the Apps in your Android Phone
- Uploading Android Application to Play Store
- Designing of different Layout and Widget
- Live Projects
- Certificate by iPersonality Edutech Services.

OVERVIEW

- **Android App Development Workshop** mainly focuses on how to use Android OS for building your own Android Application. Only the basic knowledge of programming is required for **Android App Development**, you do not have to be a geek for it! The workshop will start from the basics like designing layouts and building complex layouts. Once the basics of Android are done we will begin with building Apps.
- The duration of this workshop will be two consecutive days, with five hours session each day in a total of ten hours, properly divided into theory and hand on practical sessions. At the end of this workshop, a competition will be organized among the participating students where each participating student will get Certificate of Participation and the Winners will get Certificate of Merit.

- Workshop Level : Intermediate Level
 - Best Suited for : All B.Tech/B.E./BCA/BSc Students
 - Workshop Certification : iPersonality Edutech Services.
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Day 1 (Session 1)

1. Introduction to the Android world

- Android Architecture
- IO's Vs Android
- Scope as an Android App Developer
- Understanding Eclipse IDE
- What is API Levels?

2. Understanding the Building Environment for Android

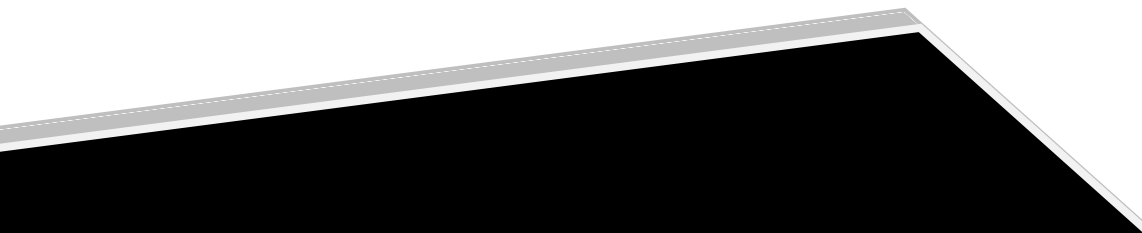
- Basic programming languages intro: Java and XML
- What is Front-End and Back-End environment
- Designing Front-end through XML
- Designing Backend through JAVA
- Practicing various design Layouts

3. Understanding Layouts

- What are Layouts and Widgets?
- Working with various layouts: Linear, Relative, Table, Frame
- Working with various Widgets: Text-View, Edit-Text, Buttons, Image-Views, and Scroll View etc.
- Practicing Layout Nesting's on various Layouts
- What is Weight-sum and Gravity?

Day 1 (Session 2)

1. Getting familiar with Activity

- What are Activity and its Life-Cycle?
 - Designing an Activity
 - Practicing its Life-Cycle
 - What is Manifest File
 - Registering the Activity in Manifest File
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- Setting up the Android Virtual Devices
- Testing your Hello World Application

2. Introduction to Intents

- What are Intents
- Types of Intents: Explicit and Implicit
- Starting another Activity using both types of Intents
- What is Bundle?
- Sending Data from one Activity to another
- Building Camera application, fetching image using Intent

3. Understanding various Notifications

- What is Toast?
- What is Dialog and Alert-Dialog?
- What is action-bar Notification?

Day 2 (Session 3)

1. Developing Applications

- Splash Screen Application
- Music Player Application
- SMS Application
- Camera Application
- Email Application
- Text-To-Speech Application

Day 2 (Session 4)

After the hand on theory and practical experience from the workshop, Competition will be conducted for the participants. And the certificate will get distributed by iPersonality Edutech Services.



COMPANY PROFILE

iPERSONALITY is an educational organization committed to improve a student's potential by upgrading existing community resources to provide appropriate physical, psychological and social support. Its primary focus areas include Workshops & training in all domains as well as provide the students with every bit of help so as to make them grow professionally and intellectually.

iPERSONALITY developed a vision to provide professional education services for development of the major section of the prospering India and increase the empowerment by introducing a unique concept of Self-Branding. Today, it is one of the fastest growing Education and Training based startup with corporate office in Lucknow. We also provide workshops and seminars in colleges and schools on current technologies in order to make students updated and skilled for today's industrial world.

Educational Services:-

Workshops, seminars, trainings & project developments have become a crucial part in the academics as well as practical scenario of technology and we provide this opportunity to every single student of every college or university. We polish & smoothen the learning skills of the students & rather making the students a good learner we also make them a good thinker & a creator. We emphasize on Quality and understand the importance of imparting Quality Technical Education in creating competitive advantage. Workshop provides the students with the advantage of gaining real-world experience with the actual organizational culture of an environment and also with industrial projects.

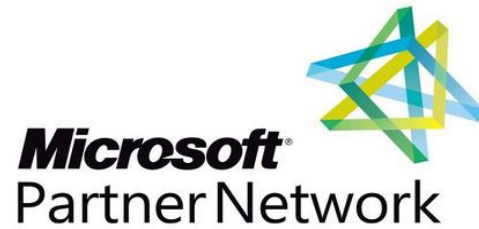
Our Mission :

To promote the cause, education and knowledge of science and technology, through certifications, certificates, events, training and memberships for individuals, corporates and educational institutes.



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CORPORATE PARTNERS





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