

# ANDROID Course Syllabus

## Overview

- Introduction
- What is android
- Android in industry

## Android Tools and Android new Project

- Android SDK
- Java JDK
- Eclipse IDE
- New project creation and explanation about files

## Android Components

- Activity
- Services
- Broadcast Receiver
- Content Provider

## View Groups

- Linear Layout
- Absolute Layout
- Table Layout
- Frame Layout
- Relative Layout
- Scroll View

## Input Controls and Input Events(Views)

- Button, Image Button
- Text View
- Edit Text, Auto Complete Text View
- Checkbox, Radio Button ,
- Spinner, Seek bar
- Date Pickers, Time Picker
- Image View
- Radio Group, Toggle Button

### Special Topics:

- Real Time Software Development Life Cycle Training and Demo
- Cloud and Big Data Workshop with certificate

### Highlights:

- MNC Trainers
- Practical Training (No classroom sessions)
- Quality study materials.
- Flexible Timings.
- Real Time project involvement
- Professional Certificates.
  - Course Completion
  - Project Completion



## Resources

- Drawable resource
- Layout resource
- Menu resource
- String resource
- Style resource

## Menus

- Option menu
- Context menu
- Popup menu

## Dialogs and Notifications

- Alert Dialog
- Progress Dialog
- Toast notification
- Status notification

## Intent and Intent Filters

- Intent
- Pending intent
- Intent Filter

## Content Provider

- SQLite
- Shared Preference

## Services and Broadcast Receiver

- Services
- Broadcast Receiver
- SMS Manager

## Location based Services

- Google Map
- Network provider
- Wi-Fi and Bluetooth Control

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## Multimedia

- Image Capture
- Video Capture
- Media Player

## Android Based GAMING

- The Game Idea
- Create the Project
- A Basic Game Architecture
- A Basic Game Loop
- Displaying Images with Android
- Moving Images on Screen
- The Game Loop
- Measuring FPS
- Sprite Animation
- Particle Explosion
- The Strategy Pattern
- Using Bitmap Fonts
- Switching from Canvas to OpenGL ES

**Real Time App Development and deployment in GOOGLE PLAY STORE**

<https://play.google.com/store/apps/developer?id=uniq+technologies>