

# Working With Android SDK

## Introduction to Mobile Development

- Introduction
- Categories of Devices
- Different Approaches to Mobile Development
- Comparison of Different Platforms

## Introduction to Android

- Android Overview & History
- Android Development Environment
- Android OS Architecture
- Targeting OS versions  
JellyBean/ICS/Honeycomb
- Dalvik virtual machine
- App framework

## Android SDK Overview

- Platforms
- Tools
- Versions

## Main Building Blocks

- Activities
- Activity lifecycle
- Intents
- Service Patterns
- Content Providers
- Broadcast Receivers

## Project Structure

- Contents
- Project Files
- Manifest File
- Writing your first Android Application
- Building, Running and debugging your application
- Working with Android Emulator
- Testing apps in Real Device
- Android Quick start apps in Emulator + Real Device

## Building Android Applications

- Building Activities
- Notifications
- Broadcast Receivers
- Utilizing Content Providers

## Basic Android User Interface

- What is XML based Layout
- Why XML based Layout
- Building Views and layouts
- Built-in Layouts
- Built-in Views
- Handling user events
- Basic Widgets (Buttons, Labels, Edit Text, Images, Radio and Check box)

## Advanced UI

- Adapters Overview
- Menus
- Dialogs

## Data Store

- Preferences Overview \
- SQLite Database Overview
- Broadcast Receivers
- Implementation

## Misc

- Simple HTTP Communication
- Introduction to building Location Based Applications
- Intent Filter & Routing
- Intent Filters in your manifest
- Initiating Calls
- Sending & Receiving SMS
- Android Security Overview & Permissions
- Sensors
- GPS Communication

**After Completion of Course Training Certificate and Course Certificate Provided to each Student.  
Fee 5000/- Rs**

## Contact:

**Sandeep Sappal**

**Numeric Infosystems Pvt. Ltd.**

**13, GulabChand Ki Bagichi, Behind Javar Estate.**

**In Front of Punjab National Bank, Thatipur Chauraha,  
Gandhi Road, Gwalior**

**+91 9301123085, +91 9752576100.**

