

# Advanced Android



## About Us

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Edustrom is an initiative of CSK Technologies OPC Pvt. Ltd, established in the year 2015 , headquartered at Delhi. The main activity of Edustrom is providing training on Information Technology, which is delivered to its audience all over the Country via Computer Based Training Programs, Onsite Training Programs and Company Owned learning centers. We are a fast growing group of Individual ,expertise in IT Training & Placement.

## Our Aim

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We aim to impart practical knowledge on PHP/MySQL to the technical workforce of the country. As we know that Designing and Development of Web Applications is the need of the day, and people with such skills are very much in demand. We moto to bridge the demand and supply gap of Professional and Knowledgeable PHP Programmers.

## Achievements

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- Trained more than 350 Students in Delhi only.
- Having Classroom Training Locations and Presence Across Delhi.
- In a short span of time we reached to more than 20 corporate clients across Delhi
- Conducted Training Programs for many Premier Institutes.

## Course Content

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### > About Course

This course encompasses the Advanced concepts of Android which includes various packages & API's used for developing Native Applications.

### > Syllabus

#### Android Service

Learning Objective: In this module you will learn about the usage of Services in Android.  
Services are used to run an application in background

##### Topics:

- Android Service
- Android Service API
- Android Started Service
- Android Bound Service
- Android Service Life Cycle
- Android Service Example

#### Data Storage

Learning Objective: In this module you will learn about storing the data locally into the app using Shared Preferences.

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### Topics:

- Shared Preferences
- Internal Storage
- External Storage

## SQLite

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Learning Objective: In this module you will learn how to store data in SQLite DB in android.

### Topics:

- SQLite API
- SQLite Spinner
- SQLite ListView

## XML & JSON

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Learning Objective: This module consists of XML & JSON.

### Topics:

- XML Parsing SAX
- XML Parsing DOM
- XML Pull Parser
- JSON Parsing

## Content Provider

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Learning Objective: In this module you will learn about various content providers in android.

### Topics:

- Content Provider Fundamental
- Contact Content Provider
- Other Built-in Content Providers
- Creating Custom Content Provider
- Understanding Content URI
- Content Resolver
- Sharing Information from custom content provider

## Android Notification

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Learning Objective: In this module you will learn about initializing, generating & showing notifications.

### Topics:

- Notification API
- Creating Notification Builder
- Setting Notification Properties
- Attaching Actions
- Issuing Notification
- NotificationCompat.Builder class
- Android Notification Examples

## Multimedia

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Learning Objective: In this module you will learn about the multimedia objects used in android.

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## Topics:

- Wallpapaer
- Live Wallpaper
- Multimedia API
- Playing Audio
- Creating Audio Player
- Playing Video
- Alarm Manager
- Gallery

## Speech API

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Learning Objective: In this module you will get to know about Speech API. Speech API are used to initiate the Speech API in android.

## Topics:

- TextToSpeech API
- TextToSpeech Example
- Managing speed and pitch
- Speech To Text

## Telephony API

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Learning Objective: In this module you will get to know about telephony API. Telephony API are used to fetch the cell phone's internal information used for various tasks in android.

## Topics:

- Telephony Manager
- Get Call State
- Call State BroadcastReceiver
- Simple Caller Talker
- Making Phone Call
- Send SMS
- Send Email

## Location API

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Learning Objective: In this module you will get to know about Location API. Location API are used to fetch the current location and perform the related task with it.

## Topics:

- Location API Fundamental
- Example of Android Location API
- Working with Google Maps

## Animation

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Learning Objective: In this module you will get to know about Animation. Animation are used to add some real time motion to the content like, text, textbox, layout, etc

- Android Animation API
- Android Drawable class
- Android Animation Example
- Android Rotate Animation

- Android Fade Animation
- Android Zoom Animation

## Device Connectivity

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Learning Objective: In this module you will get to know about Device Connectivity. Device Connectivity features are used to get the connectivity status of the cell phone in android.

### Topics:

- Bluetooth Tutorial
- List Paired Devices
  - Working with WiFi
  - Working with Camer

## Sensor

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Learning Objective: In this module you will get to know about Sensors. Sensors are used to sense the movement, touch and other operation performed on the hardware device

### Topics:

- Sensor API
- Motion Sensor
- Position Sensor
- Environmental Sensor
- Sensor Values
- SensorManager class
- Sensor Class
- SensorEvent class
- SensorEventListener interface
- Compass Acceslerometer and Orientation
- Sensors Sensor Examples

## Android Graphics

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Learning Objective: In this module you will get to know about Graphics. Graphics are used to give some great visibility content to the app

### Topics:

- Graphics API
- 2D Graphics
  - android.graphics.Canvas
  - android.graphics.Paint class

## Android P2P Communication

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Learning Objective: In this module you will get to know about P2P Communication. This is used to establish the real time communications

### Topics:

- Introducing Instant Messaging

- Using the GTalk Service
- Monitoring the Roste for Changes
- Sending and Receiving Data Messages
- Transmitting Data Messages
- Receiving Data Messages

## Android Web Services

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Learning Objective: In this module you will get to know about Web Services. Web Services are used to fetch the data from the server using SOAP or Rest API's

### Topics:

- What is web service
- Soap Vs Restful web service
- Android Restful web service example with java servlet
- Storing data into external oracle database
- Verifying data in android with external oracle database

## Android Google Map

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Learning Objective: In this module you will get to know about integrating app with Google Maps API

### Topics:

- Android Map V2 API
- Adding Map
- Customizing Map
- GoogleMap class
- Android Google Map Application

## ➤ Our Training Approach

We are not limited to any number of classes or day to complete the whole course, so basically time duration depends on batch strength and their learning skills. However the average course duration is 2.5 months.

## Training Features

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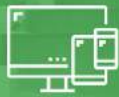
- Course proceeds as per student learning skills and catching power.
  - Course repeat facility for all students for FREE.
  - Theory and Practical classes held with every session.
  - Per class 1-2 hours session.
  - Students will be given adequate time to revise and practice the concepts learned in class.
  - This Training Program covers Presentations, Real life Case Studies, Extensive Live Practical Demonstrations. An Experienced Faculty with a minimum experience of 3 Years will be available to provide you training and in order to help you start a career in Web Development.
  - In this training program, students will get Assignments & Practical as homework which will help them to explore the already learned concepts & to guide them towards a path for research and development on each domain
  - Focused on practical solutions to real-world development problems.
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## Our Other Courses



Graphic Design



Web Design



My SQL



Laravel



Java

*php*

PHP



iOS



Digital Marketing

## Contact Us



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