9i Technologies

ANDROID DEVELOPMEMNT

with Live Projects for Engineers/MCA's

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About Us

We are a bunch of professionals from Punjab Engineering College and have over 15 years of Experience in the IT Training and Development domain. We have expertise in providing training on latest IT skills and are also associated with various organizations for providing Training and designing Digital Content for the same.

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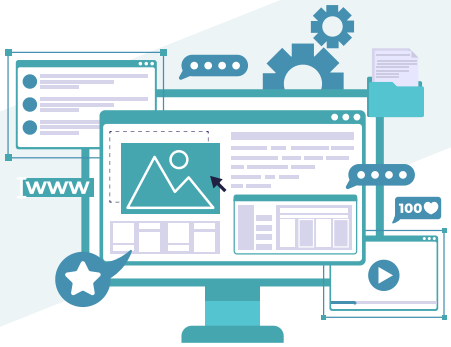
Assured Placements:

All Courses Come With 100% Job Placement

A dedicated placement team to help you land the best career opportunities
Our Placement Cell works closely with you to take you closer to your professional goals

9I Technologies has always kept their promises and is a trusted brand in the Education Industry with an experience of upskilling 50,000+ Engineering Students. We will create your profile, prepare a resume, conduct mock interviews and do our best to help you land up in a Tech job. However for some reason if you don't get a job, then you do not have to pay us anything in the "Hack plan"



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ANDROID DEVELOPMENT:

Course Description:

Android operating system is the largest installed base among various mobile platforms across the globe. Hundreds of millions of mobile devices are powered by Android in more than 190 countries of the world. It conquered around 71% of the global market share by the end of 2021, and this trend is growing bigger every other day. The company named Open Handset Alliance developed Android for the first time that is based on the modified version of the Linux kernel and other open-source software.

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Android Development Course Content:

Android Service

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

Data Storage

- Shared Preferences
- Internal Storage
- External Storage

SQLite

- SQLite API
- SQLite Spinner
- SQLite ListView

XML & JSON

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

Cotent Provider

- Content Proivider Fundamental
- Contact Content Provider
- Other Built-in Content Providers
- Creating Custom Content Provider
- Understanding Content URI
- ContentResolver

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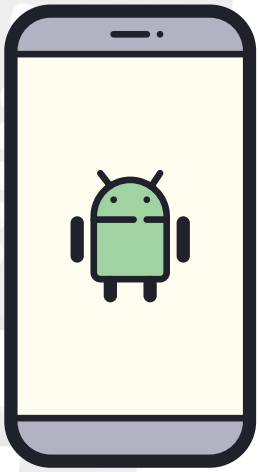
Android Notification

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

Multimedia



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

Telephony API

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

Speech API

TextToSpeech API
TextToSpeech Example
Managing speed and pitch
Speech To Text

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Animation

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

Device Connectivity

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

Sensor

- 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

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

Android P2P Communication

- 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

- 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

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

Course Project:
HOSTEL MANAGEMENT SYSTEM

Make a project of Hostel Management System

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