



# TOPS

## Technologies

TRAINING - OUTSOURCING - PLACEMENT SERVICES



## ANDROID

### OTHER COURSES OFFERED

- PHP - .NET - JAVA - C,C++
- IPHONE - ANDROID
- SEO - SOFT. TESTING - WEB DESIGNING - MOBILE TESTING
- SILVERLIGHT - JOOMLA - MAGENTO - WPF - WORDPRESS -  
CODEIGNITER - STRUTS - HIBERNATE

# Mobile Application Development in Android

## PRE-REQUISITE

- C,C++Programming
- PL,SQL
- Core java

## MODULE 1 [Fundamental]

- SDLC
- SQL Queries

## MODULE 2 [ Android Overview & Development ]

- Introduction to Android
- Android - Platform,Tools,Versions
- Android Development Framework with Architecture
- Android Studio Installation / eclipse
- Introduction of Gradle
- Development using Android Studio with Gradle
- Android Environment - DVM,ADT,AAPT
- Device and Emulator Control
- DDMS and Logcat
- Delvik debug Tool
- Work with ADB
- Types of Android Application
- Hierarchy Programming Structure
- Android Manifest File
- Activity Lifecycle
- Intents and intent Filteres

## MODULE 3 [Android UI & Component ]

- GUI Architecture
- Layouts
- Android Widget Tools Kit
- Android Form and Field Widgets with Events
- Serilization and Parceable
- Composite Components with Events
- Understanding Android Menus
- Android Dialog and Pickers
- Butterknife
- Android Annotations

## MODULE 4 [ Storage In Android ]

- Android Prefrences
- Android Requesting Permission at run time(Android 6.0)
- File Storage in SDCard
- SQLite Database Connectivity
- CRUD Operation performed in SQLite
- Realm-No SQL Database

## MODULE 5 [ Parsing & Web Service]

- XML Parsing
  - Pull parsing
  - DOM Parsing
  - SAX parsing
- JSON Parsing
- Third Party Libraries
  - OkHttp
  - Retrofit
  - Glide
  - Picasoo
- Asynchronous Data Loading
- MySQL connectivity in Android using Web

## MODULE 6 [ Advanced Android Development ]

- Work in Background Process
- Broad cast receivers and Android Service
- Alarm Manager with Push Notification Services
- Advance Fragments and Action Bar
- Google Map V2 API Integration
- Location service and GPS
- Geo-coding API
  - FCM(Firebase Cloud Messaging)
- Social Media Integration
- Android App links
- Multimedia in Android
- Images,Graphics and Animation
- Work with Android Phone Components
- Wake Lock , Text to speach
- Access phone Book, Call Logs
- Call and SMS
- Call and SMS
- Call and SMS
- Bluetooth and WI-Fi
- Camera, Sensor

## MODULE 7 [Applicability to Industrial Project]

- Debug and Execute Application on Real Device
- Deployment
- Publish Application

# COMPANIES WHERE OUR PAST STUDENTS ARE WORKING



Placements is a very important and integral part of our offerings. We specialize in providing placements to students and experienced candidates

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