SYLLABUS
ANDROID TRAINING
PROGRAMME

BY : – M.R.S Technology , Varanasi

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M.R.S Technology
Varanasi , UP

Course Details

Session -1: Introduction to Android

A little Background about mobile technologies
Overview of Android - An Open Platform for Mobile development
Open Handset Alliance
What does Android run On – Android Internals?
Why to use Android for mobile development?

Session – 2: Developing for Android: My First Android Application

How to setup Android Development Environment.
Android development Framework - Android-SDK, Eclipse
Emulators – What is an Emulator / Android AVD ?
Creating & setting up custom Android emulator
Android Project Framework
My First Android Application

Session – 3: Android Activities and UI Design

Understanding Intent**,** Activity, Activity Lifecycle and Manifest
Creating Application and new Activities
Expressions and Flow control, Android Manifest
Simple UI -Layouts and Layout properties
Fundamental Android UI Design
Introducing Layouts
Creating new Layouts
Drawable Resources
Resolution and density independence (px,dip,dp,sip,sp)
XML Introduction to GUI objects viz.
Push Button
Text / Labels
EditText
ToggleButton
WeightSum
Padding
Layout Weight

Session – 4 : Advanced UI Programming

Event driven Programming in Android (Text Edit, Button clicked etc.)
Creating a splash screen
Event driven Programming in Android
Android Activity Lifecycle
Creating threads for gaming requirement
Understanding the Exception handler

Session – 5: Toast, Menu, Dialog, List and Adapters

What is Menu?
Custom Vs. System Menus
Creating and Using Handset menu Button (Hardware)
What are Android Themes. What is Dialog? How to create an Alter Dialog?
What is Toast in Android?
List & Adapters
Manifest.xml File Update

Session – 6: Multimedia Programming using Android

Multimedia audio formats - Creating and Playing
Multimedia audio formats - Kill / Releasing (Memory Management)
How to associate audio in any application
How to associate video playback with an event

Session – 7: Database - SQLite

IntroducingSQLite
SQLiteOpenHelper and creating a database
Opening and closing a database
Working with cursors Inserts, updates, and deletes

Session – 8 : Location Based Services and Google Maps

Using Location Based Services
Working with Google Maps

Session – 9: Notifications

Notification Manager
Pending Intent
Notifications (Show and Cancel)

Session – 10: How to develop your own custom made Web browser

How to use WebView object in XML
Permission for using the Internet
Methods for associated with 'Go', 'Back', 'Forward' etc.

Installation of .apk
How to install .apk into your Android Mobile.

Course Duration: 2 Months (Only Working Days Countable)
Total Fee: 8000/-

Milestones –
M1 Advance to start Your Course: 5000/- INR
M2 Completion of Unit (5) : 3000/- INR

For : Schedule & Registration

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