SIX WEEKS TRAINING IN ANDROID PROGRAMMING



Introduction to Java:

- History & Need of Java
- Features/Advantages of Java
- JVM Architecture
- Packages in Java

Programming in Java:

- Programming Structure
- Variables/Constants
- Datatypes in Java
- Various operators
- Access Specifiers & Modifiers
- Branching & Looping

Methods in Java:

- Introduction to Methods
- Argument passing mechanism
- Arrays

OOPS Principle:

- Basic principles of OOPS
- Class & Object
- Access modifiers
- Constructors & destructors

Inheritance & Polymorphism:

- Inheritance & polymorphism
- Method Overloading & Overriding
- Abstract class
- Multiple inheritance
- Interfaces

Windows Programming:

• Introduction to GUI Programming



- Introduction to Swings
- Layout Managers
- GUI Programming using Swings

Event Handling

- Event handling mechanism in Java
- Event Listeners & Event Handlers
- Handling mouse & keyboard listeners
- Using MouseListener & MouseMotionListener

Applet Programming

- Applet Introduction
- Applet Life Cycle
- Creating Web pages using Applet
- Handling Events on Applet

Overview of Android

- Overview of the Android Platform
- Applications (Apps) Defined
- Comparison with Mobile Web
- Android Architecture
- Role of Java

Android SDK

- Eclipse IDE Plugin
- Device Emulator
- Profiling Tools
- Hello World Application
- Application fundamentals & user interface

Android Application Fundamentals

- Android application building blocks
- Activating components
- Life Cycle of Application
- Development tools, Manifest File
- Life Cycle of Activity



Basic UI Design

- Form widgets
- Text Fields
- Layouts

Main Building Blocks

- Activity
- Intents
- Services
- Content Providers
- Broadcast Receivers

Publishing Applications

- Testing application
- Signing the application
- Versioning application
- Publishing in android market

SQLite Programming

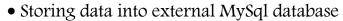
- Introduction to SQLite
- SQL Basics
- Database Connectivity
- Data binding
- Using content provider
- Implementing content provider

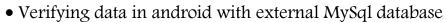
XML & JSON

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

Android Web Services

• What is web service





Social for formation of Information Technology

PHP

- Basic of Php
- Loop ,Array ,block in php
- Database connectivity with mysql in php

MY SQL

Section 1: Relational Database Basics

- 1.1 Brief History of MySQL
- 1.2 Relational Databases and Popular Databases
- 1.3 SQL Statements