ZENUS INFOTECH INDIA PVT. LTD.

CURRICULUM OF ANDROID

Course Duration: 6/8 Weeks*

Introduction to Android

The Android family

Overview of Android and Android SDK

History of Android

Android features

Android Architecture overview

Introduction to OS layers

Linux kernel

Libraries

Android Runtime

Application framework

Setup of Android Development environment

System requirements

Eclipse and SDK installation, AVD creation

Creating first Android application

Project Structure

Android Application Fundamentals

Android application building blocks

Activating components

Shutting down components

Life Cycle of Application

Development tools, Manifest File

Life Cycle of Activity

User Interface

View Hierarchy and Layouts

UI Events

Building Menus

Notifying users

Creating dialogs

Graphics & Animations

Main Building Blocks

Activity

Services

Content Providers

Broadcast Receivers

Resources

Overview of Android Resources

Creating Resources

Using Resources

Drawable Resources

Animation Resources

Data Storage

Shared Preferences

Internal Storage (Files)

External Storage (SD Card)

SQLite Databases

Android Media API

Playing audio/video

Media recording

Blue tooth

WiFi

Camera

Telephony Manager

Location Services

Google Maps

Deploying Android Application on Device