



INDUSTRY ORIENTED ANDROID PROGRAMMING WITH CAKE PHP FRAMEWORK

DURATION: 26 Weeks

COURSE CONTENTS

ANDROID COURSE CONTENTS

ANDROID

- Introduction To Mobile Apps
- Introduction to Android
- Android Architecture
- Fundamentals of Android
- Installation of Android Machine
- Application Structure
- Android Emulator
- Activity
- Intent, Intent Filters and Broadcast Receivers
- Basic UI design, Styles & Themes
- Building UI with Activities
- XML Layouts
- Creating First Android Application
- Manifest Permissions
- Notifications
- Data Storage
- Event Handling
- Menu
- Content Providers
- Bluetooth and Wi-fi in Android
- Fragments Life Cycle
- Fragments in Activity
- Location Based Services and Google Maps
- Web Services and WebView
- Consuming web services (using Volley)
- Android JSON parsing using Volley
- Introduction to Mobile Device Security and development of application

CAKE PHP CONTENTS

PHP & MYSQL

- PHP Introduction and server installation
- Loops and IF conditions
- String and Array Functions
- Variables
- Arrays
- Date & Time functions
- Image Uploading
- File handling
- Functions and classes
- Errors handling
- Form handling in PHP
- Mail function
- Php Sessions
- cookies
- Server side validations
- MySQL Introduction
- Connection with Php
- Create and Alter tables
- Insert, Update and where condition
- Delete, Select Limits, Distinct Joins, Order by, Group by, Union
- Import and Export Database

CakePhp-

- Introduction,MVC Architecture,
- Cakephp installation,Folder structure,
- Configuration, Routing, Controller, Model, View, Working with database,
- Errors and exception handling,
- Form creation and error handling,
- Session management,
- Validation,
- Pagination,
- File upload.

Deliverable: Industry Standard Project Implementation of Android mobile application using Cake PHP webservices