CS473
Mobile Device Programming

Couse Introduction

Welcome to Mobile Device programming using Android

- Developing Android programs is an exciting and potentially lucrative experience.

- It opens up the world of creativity to you the Android programmer and allows you to express yourself in ways you never dreamed of.

- This is a new world, a digital world where you can create a product and make it available to billions of users in just one click of a button.

- You will never be idle in the Android programming world. Constantly, you will think of new ideas for Android apps and ways of improving peoples lives.

- If you like games, and want to create undreamed of new ways to involve users, this is the place to be. If you enjoy creating solutions for businesses, the potential is still vastly untapped.

- Perhaps you like creating teaching resources or tools for industry. These are just a few of the potential application that await an Android developer.

- There are so many opportunities it boggles the mind.

- This course will concentrate on creating Android applications by using the Java programming language. Aside from the manifest, XML will be introduced later in the course after you have become familiar with the Android Java API.

- We will be using the Android Studio (IDE) in this course. Although you can use an Android emulator to simulate your Android application on your computer, the emulator is often very slow. You will use department Samsung tablet to run on real device.

- We hope you enjoy this course and find the information valuable. Most of all have fun with it. Remember, persistence pays off. If you run in to difficulties, keep trying. With enough effort you will always find the answers. The teacher is here to help guide you through this breathtaking land.

Locating, Downloading, and Updating Necessary Software

- We will be using the Android Studio Integrated Development Environment to create Android applications for this course.

- Android Studio is free and is Open Source software. It will run on just about any platform whether it be Windows, Macintosh, Mac or Linux. Android Studio is high quality and will certainly satisfy your Android programming needs for years to come.

- The computers in your lab may already have the necessary Android Studio software installed.

- You may need to update the software if it prompts you to do so.

Installing Android Studio

- Go to https://developer.android.com/studio/index.html and follow the instructions to setup Android Studio.

- You can install it on Windows, Macintosh, Mac or Linux operating systems!

- Practice to install in to your Personal System.