**Software Engineering Project 2014**

**Project Advisor Name: Chartchai Doungsa-ard**

**Interested Research/Topic:**

1. Software Testing
2. Enterprise software Dvelopment

**Interested Tools:**

1. Java/Spring framework

2. HTML 5

1. **Project Name: CAMT Senior Project Management System**

To manage the senior project course, there are many information involved. There are several news need to be passed to the students, in addition, the students do not check their e-mail frequently. The assessment of the senior project is also difficult. In each presentation, the time and schedule needed to be managed manually, plus the assessment score is also need to manage. The CAMT Senior project management system, is aim to reduce the course manager (which is normally me !!) task. By registering the students’ information, the topics, providing the assessment form, and calculate the result in each progress.

**Keywords: CAMT Senior project, Spring framework development, Report generation**

1. **Project Name: The Learning Through Activities Passport / The Server**

This project aims to develop the learning through activities system for every faculty in CMU. There are various assessment techniques for the Learning through the activity course in each faculty. Some use the collecting the activity hours, some are just counting the course. There are also the different activity types such as the mandatory activities, the optional acidity. In addition, there are different result as well. As a consequence, the project have to gather the information of the students who attends the activities and evaluate the grade they have, and also create the report for each students, or the faculties so they can plan how to achieve the course.

**Keywords: Learning Through Activities, Enterprise software development, Web service**

1. **Project Name The Learning Through Activities Passport / The Mobile Application**

The project is aims to create the mobile application which the students use for registering their activity via the mobile application. The activity will be passed to the server (In the server part) to register the activity. In addition, the students can check their score, assessment, and also contact with the course manager directly from the application.

This project is tightly related to the server project. You may need to create the mock up server to test your application.

**Keywords: Learning Through Activities, Mobile Application Development, Web Service**

1. **Project Name: The Mobile Drug suggestion system**

This project is a part of Pharmacist lecturer’s research project. The students have to develop a mobile application which receives the symptoms of the patience, then send to the server. At the server, the rule based decision support system receives the information and returns the suggested medicine. The students have to discuss with the Pharmacist lecturer, and develop the server side with the prepared data and framework

**Keywords: Mobile application development, JSON, Component Based software development, Java**

**Software Engineering Project 2014**

**Project Advisor Name: Kittitouch Suteeca**

**Interested Research/Topic:**

1. Web application

2. Mobile Application and smart watch

**Interested Tools: any**

1. **Project Name: Promotion notifies by Pebble (2 students)**

[Pebble will interface with application (android or iOS) when user walk to shop. User can view or manage information in mobile app.]

**Keywords: Pebble / Promotion management / location base application**

<https://developer.getpebble.com/>

1. **Project Name: blind navigator by Pebble (2 students)**

[Application works like car navigator but it will notify user when go to wrong direction or route.]

**Keywords: Pebble / location base application / text to speech**

1. **Project Name: internship recruitment web (2 students)**

[4th year students CAMT will looking for company for internship (SE491 Cooperative education). System will help students or companies to select with own requirement.]

**Keywords: Web / SE491**

**Software Engineering Project 2014**

**Project Advisor Name:**

**Interested Research/Topic:**

1. Wireless || sensor || embedded based application

2. Algorithm focused application/ Scheduling application

**Interested Tools:**

1. Java
2. Finger scanner, smart tv, RFID, Raspberry Pi etc
3. **Project Name –** Clock-In system using finger scanner on Raspberry pi

Finger scanner is a well-known device for clock-in system. But, the provider always provide a simple application interface for using with the device. This senior project topic will focus on solving that practical problem i.e. enabling database connection. The Raspberry is a card-sized computer will be use to operate the system due to the advantages of its size and power consumption perspective

**Keywords: Raspberry Pi/ Finger scanner**

1. **Project Name- Scheduling application for Medical Resident**

Scheduling is a time consuming task when operate manually. This Senior project topic is focus on generating a timetable for the system that require people working in different shifts (rotations). This application is automatic and effective. If ADT and Algorithm Analysis and Design are 2 subjects that you like, this topic is for you.

**Keywords: Constraint Programming/ scheduling problem**

1. **Project Name-Location based/ Smart home / environmental monitoring application**

The topic is open

**Keywords: wireless sensor/ mobile application/ embedded device / zigbee, z-wave**

**Software Engineering Project 2014**

**Project Advisor Name: Yun Rim Park**

**Interested Research/Topic:**

1. Mobile Application

2. Accessibility

A software system that is designed (or customizable) to assist people with disability. e.g.[http://www.miusa.org/ncde/tipsheets/adaptivesoftware](http://www.miusa.org/ncde/tipsheets/adaptivesoftware" \t "_blank)

3. Smart Classroom

A software system that enhances the students learning experience by creating more engaging classroom environment. e.g. <http://www.samsung.com/sg/business/solutions-services/mobile-solutions/education/samsung-smart-school>

**Interested Tools:**

1. **translator on mobile phone (2 students)**

[A software system that works on a mobile phone. Using the built-in camera, user can capture the image of text in English (potentially in a different language). The application will capture the text from the image and translate it into another language.]

**Keywords:** android / translation / ocr / text-to-speech

1. **Project Name**

[Description]

**Keywords:**

1. **Project Name**

[Description]

**Keywords:**