CSIT214/CSCI814/HCSC814
IT Project Management

Subject Introduction

Who am I?

- Associate Professor Hoa Khanh Dam
  - PhD in Computer Science - RMIT University, Australia
  - M.App.Sc. in Information Technology - RMIT University
  - Bachelor of Computer Science - University of Melbourne

- Previous positions:
  - Technical Architect / Project Manager at B.A.O. Solutions
  - Software Engineer at Exari Systems.

- Research interests:
  - **Artificial Intelligence** & **Software Engineering**

  - **Check out the recent TechXplore news featuring my research on smart, AI powered project management assistants https://tinyurl.com/ai-agile**

  - And more info at my website http://www.uow.edu.au/~hoa

Consultation hours

- A/Prof Hoa Dam
  - Virtual consultation time (booking made via Moodle):
    - Wednesday 10:30 – 12:30
    - Thursday 10:30 – 12:30
  - Email: hoa@uow.edu.au

Lecture and Tutorial/Lab

- Lecture:
  - Thursday 16:30 – 18:30
- Tutorial/Lab
  - Must enrol in one of the labs
  - **Week 2 – Week 12**
  - Week 12 labs are used for your group project presentation.

Subject objectives

- On successful completion of this subject, students will be able to:
  - Demonstrate an understanding of **core knowledge of IT and software projects** and the ability to apply relevant **project management skills** to solve practical problems.
  - Identify, select, and deploy **appropriate methods and techniques** for a variety of IT and software project management activities.
  - Function effectively as part of a **team** to accomplish a set of common goals and objectives and communicate with project stakeholders.
  - Adopt a **professional and ethical approach** to decision making and related social responsibilities in IT and software projects.
  - Acquire, synthesise and **integrate information** within a complex professional setting

Topics

1. Introduction to project management
2. Project integration management
3. Project scope management
4. Project schedule management
5. Project cost management
6. Principles and practices of agile project management
7. Agile project management using Scrum
8. Change and version control management
9. Project risk management
10. Project resource management
11. Project quality management
12. Project procurement management
13. Professional and ethical responsibilities in Project Management

Books

- Reference books:
  - Information Technology Project Management, by Kathy Schwalbe, 8th edition (or later), Cengage Learning, ISBN: 9781285452340
  - Software Project Management by Bob Hughes and Mike Cotterell, 5th edition (or later), McGraw-Hill.
  - Microsoft Project 2016, by Carl Chatfield and Timothy Johnson, 2016, published by Microsoft Press, ISBN: 9780735698741

Resources

- Lectures
  - PDF files with slides from lectures
- Assignments
- Supplementary materials

One-stop shop: Moodle

Overall assessment

- Lab test (10%): online test – in the lab hours of Week 6

- Group project (40%)
  - Verbal progress report – Week 4 (in the virtual lab)
  - Weekly meeting reports – Weekly from Week 5 to Week 12 (Moodle)
  - Final deliverables and product presentation - Week 12 (Moodle)

- Examination (50%)
  - Open book
  - **Technical Fail**
    - To be eligible for a Pass in this subject a student must achieve a mark of at least **40% in the Final Examination**.
    - Students who fail to achieve this minimum mark & would have otherwise passed may be given a TF (Technical Fail) for this subject.

Tutorial/Lab

- Each tutorial/lab:
  - First half: an exercise
  - Second half: project
    - Work on the project.
    - Meet “the client” session.

The group project

- Project specification will be released shortly.
- Group size: **6 people** – **Team members must be from the same lab**
- ***Formation of groups is your responsibility. Try to form groups with people who have complementary skillsets (e.g. programming, design, analysis, management, etc.).***
- You will have to form a group ASAP, and **submit details of group membership** by the end of Week 3.
  - Go to the Moodle site of the subject and you will see a link for group registration.
  - Only 1 registration per group.
  - Registration will be closed by the end of Week 3.
- A forum has been created on Moodle which you can use to find other students to form a group for the project

Q & A

- Q: Can we obtain a HD in this subject?
  - A: “Yes, we can!”
- Q: Great! Sounds easy but how?
  - A: Sure, you need to do exercises in the Lab, work hard on the project and do well in the exam.
- Q: Of course, but still how?
  - A: Yes, you need to attend the lectures regularly (very important in this subject), read reference texts, and read Lecture slides.
  - You should also do Lab exercises
- Q: Hmmm, it’s not that easy but it’s ok, I can do it in just only 1 week before the exam, huh?
  - A: No, you have to do it every week.
- Q: Oh no, it’s so difficult ☹. I don’t want a HD anymore, I just want a P. So less work?
  - A: Yes, but you still have to do the same things.