The *first* Software Engineering Group-PG4 Project weekly meeting will be held in **Room 462 (Ingkarni Wardli)** at **10am on Tuesday 9 August 2016**.

Agenda

Chair: Tao Zhang

1 Apologies

- Yann Frizenschaf

2 Presentation

- Tao Zhang
- Yi Lin
- Yuan Liang
- Lili Wu
- Zeqi Fu
- Navdeep Singh

3 Client

The group shall present the items below with the client:

3.1 Requirements Summarise

Yi Lin shall give a shortly summarise of the client's basic requirements of the SeaFaults Mapping Robot.

1. Feature: durable

2. Working Environment: seafloor

3. Function: generated data

3.2 Requirements collection

According to the basic requirements team members ask some detailed questions to customers.

1. Working environment

    - How hazards or debris look like? In which situation the robot should know it is a dangerous site so that it should stop surveying?

2. Mapping

    - Do colours map directly to depth?
    - Does the map need to be saved in an image format as well? What format? XML? PDF?
    - How do we deliver the map? As a file?
    - Zoom functionality – what format? XML? PDF? What is the required resolution/granularity?
    - Is there a maximum size for boundary discontinuities?
    - What is the metric for accuracy of the map?
    - Can the survey function can be turned on and off?

3. Movement

    - Is the ”robot” autonomous or tethered/controlled?
    - Do we provide the ”container”? What is an ”appropriate size”?
    - What constitutes ”significant force”?
    - If the robot meet any hazard while surveying, what should it do? Stay at that point or moving to the nearest safe place?
    - how long is the robot required to move without pause?
    - how fast should the robot response of our control?

4. Operations

    - Are we required to design a UI for the operator? What are the required controls?

4 Other Issues

Tao Zhang will confirm the next meeting

Note: Next meeting to be held on 11 August 2016.