# 306 Meeting 1 – 30/07/2014 12pm

## Members present:

Rahul Kumar

Jordan Hohepa  
Devon Ahmu  
Simon DuPrez  
Ben Brown  
Patrick Free

Milos Ivanovic  
Jimmy Barwell-Smith

Jak Tan

## Things discussed:

* Discussed what we will present at first presentation: Our github is set up, wiki’s set, started discussing ROS, aim to do project plan and have a overall project design by next week
* How ROS works and what functionality it has
* Use github for all files (no google drive) to track usage of files
* Went through project specification together
* Jobs given which will be due by Friday midnight so we can start system design soon

## Specification assumptions/discussion

* Each robot must turn at some angle while stationary
* Each robot has velocity (linear and angular), position
* Each robot can transmit messages with each other
* Main behaviors are house, visitors, robot assistants
* We are assuming that the doctor/nurses, family/friends, care givers can all visit at the same time
* We must create requirements and elicitation for each robot
* Have a text log for each robot so we can keep track of what has happened/happening (history of activity)
* Humans all emulated as robots
* Visitors robot (may be a type and the rest are subtypes), doctors robot, nurse robot, acquaintance robot (used for friends and relatives robots).  
  Robot assistants. Medication robot, cook robot, entertainment robot, companionship robot. We can only have 1 type of this assistant robot and it can do all functionality OR have each as a separate robot class to do certain functionality
* Resident. Can be 1-2 residents per house but we decided there will be only 1 per house.
* Stage only uses a 2d plane. Collision between robots needs to be handled. We can either assume robots will pass through each other and it’s fine OR we can have them move around each other (probably harder to implement).

## Aims for next week

* Each person in the group will be given a couple of robots to write up requirements for them so we can have requirements/functionality for each robot

## Jobs due by Friday Midnight:

* Simon – Doctor
* Devon – Nurse
* Rahul - Medication
* Jak – Companionship
* Ben –Entertainment
* Jordan – Cook
* Patrick – Acquaintances
* Jimmy – Residents
* Milos – Drawing up house on paint/Photoshop