

# COMP 329 2015 Assignment 02

## Assessment of Demonstration/Video

Demonstration

Video

Group:

Assessor:

Date:

Group members present

Group members absent

### Scout Agent (20% of total)

Criteria Assessed	Assessment Description
Locating Victims	Marks will be awarded for each victim located. The exact mark for each victim will depend on the number of victims present (10%)
Accuracy of reported victim locations	Victim locations will be assessed for their accuracy depending on the representation used for the map. For grid-based maps/locations, points will be awarded if the reported grid location is correct (for example if a victim located in grid (2, 3) is reported as being in grid (2, 3). For pose-based locations, a victim sized (for example A4) tolerance will be allowed for victim locations.
Grade/Mark Awarded	Assessor's Comment

### Doctor Agent (20% of total)

Criteria Assessed	Assessment Description
Agent beliefs	Marks will be awarded if the doctor agent is shown to maintain an accurate mental state representative of the environment (10%)
Ranking	Marks will be awarded for correctly ranking the victims as well as doing so in a creative and/or efficient manner. (10%)
Grade/Mark Awarded	Assessor's Comment

**Agent Communication (10% of total)**

<b>Criteria Assessed</b>	<b>Assessment Description</b>
Doctor-to-Scout communication	The doctor agent sends an appropriate message to the scout to initiate the search for victims
Scout-to-Doctor communication	The scout agent sends an appropriate message to the doctor when a victim is located. The message contains both the danger level of the victim as well as the location.
Timing	Communication between agents occurs in a timely fashion, that is the scout reports victims as soon as they are located.
<b>Grade/Mark Awarded</b>	<b>Assessor's Comment</b>

**Additional Notes for Students**

- You will be given time to prepare your demonstration. You need to ensure that before the start of the demonstration, your program is uploaded to the NXT robot, any Bluetooth pairing and preparation of the arena is complete.
- You will have a time limit of 15 minutes and will be assessed on one full run of your program. In case of a technical difficulty, you will be allowed to stop and restart your program once, and the second run will be assessed, within the same 15 minute time limit.
- You will be asked questions about your solution during and after the run of your program, to assess your understanding of your solution and its implications beyond the scope of the assignment.
- The assessment grid gives an indication of the level of performance expected at each grade point, NOT CRITERIA THAT YOU MUST ACHIEVE to get each grade. Your assessor will compare your performance to these levels to determine the grade/mark for your solution, which may be different.