

Self-evaluation report

Iain Richardson (s1008015)

My contributions have largely been in two areas: administrative/organisational duties, and working on a communications module. I have versed myself well with previous projects, including their approaches to components outside my area of responsibility.

The ‘high-points’ of my contribution have been:

- Writing a simple Bluetooth packet streamer, and the corresponding receiver for the NXT brick (working alongside Connor Kelly, s1044415). I researched previous year’s projects but, in the end, wrote something from scratch (the reason being that the first milestone required only straightforward actions to be executed. Past projects were too comprehensive, given that we hadn’t decided on a formal communications protocol for our long-term development).
 - By the next milestone, I aim to have implemented a more comprehensive packet server, likely using previous years’ projects as a starting point.
- Arranging, preparing for, contributing to (and often leading) discussions at meetings, where I take (and distribute) extensive minutes; including action points for every team member. I liaise with our mentor, and ensure all team members are kept up-to-date with approaching deadlines and any necessary work.
- Facilitating the peer-review process. We agreed to conduct an anonymous survey of team members in order to make the peer-review discussions easier (and less awkward!). I collected a summary of team members’ contributions and published them online, having also written a script to allow individuals to score one another’s efforts.

Areas in which I seek to make improvements:

- Improve my working knowledge of C++, given that our AI module is written in this language, insofar as to be able to provide support to those working in this area.
- Gain a better understanding of how the system units will be integrated. Whilst I have an understanding of the general approach we are to take, I would like to get a lower-level understanding of exactly what is involved.

I would be inclined to give myself marks in the region of **3-4**, given my above contributions.

I believe that Ian Johnston (s1018358) deserves a **4** for his contributions. He has almost single-handedly built our robot, remaining enthusiastic and determined. Whilst initially I didn’t appreciate the difficulties involved in working with the Lego kits, I have come to realise just how much effort Ian has put in.

I would also be inclined to give Richard Williams (s0931516) a **4**. As our team leader, he has been diplomatic and encouraging of all team members, ensuring both that everyone has a role, and ensuring they have the resource needed to fulfil it. His technical contributions have been extensive, working hard (and, like Ian, largely single-handedly) on the AI/strategy unit, despite it not being required for the first milestone.

Lastly, Pavel Abrosimov (s0946889) has supported every subteam; not only in terms of technical discussion, but also code implementation and integration. He has built the GUI used to satisfy the first milestone, and set up a client-server protocol for inter-module communication. For this reason, I would also award him a **4**.