

## Individual Report, Milestone 3

Group 8 - Infinity

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### **Allocation**

For the third milestone, I was part of the sub-team responsible for Robot Design & Construction.

### **Contribution**

After encountering issues with our approach to the latest milestone, it was important for us to decide on a concrete design that would now not change between deadlines. We started by preparing potential designs that would be pitched to the group and a vote would be cast to decide which one would be taken.

- “Basic” Two Wheel, with front and rear ball-bearing.
- Variations with holonomic wheels, including Arduino, dual nxt bricks (to compensate for multiplexor), compasses, turn-tables

The decision that was achieved would be to go ahead with the holonomics, using dual NXT bricks instead of a multiplexer, whilst other members of the group look into and develop the Arduino. The idea being, that we can swap to the Arduino if it was successful, or use the dual bricks as a fall back. With having been experimenting with the holonomics in previous weeks, we knew the problems that we could face and went onto construct the holonomic robot.

### **Performance Review: 2**