Project 1 – Sensing and Movement

Group 1
Tim Hunt
Manahor Pavuluri
Adam Heck
Romain Pradeau
Team Organization

- Democracy
- Task Driven
- Group participates in final debugging
- Pit falls
- Future plans
Hardware

- Short / wide base
- Gear driven AWD
- 1/5 rpm reduction
- 5/1 torque increase
- 3/1 rpm increase to encoder wheels
- Handy board cradle
- 4 sensors
Software

- Drive Straight
- Brake
- Turn
- Brake
- Back-up
- Brake
- Line-up

- Sequential
- Task based functions