IDP Robot Documentation

Group M212

# Objective

To navigate around a table, detect the location of a cube, determine the type of the cube and bring it back to the correct location.

* Fit within the starting box (31 cm x 31 cm)
* Be able to move in a controlled direction
* Know where it is on the table
* Determine where the cube is located
* Determine the type of the cube
* Pick up the cube
* Navigate to the correct destination
* Either go through the tunnel or over the hump
* Return to collect another cube
* Require no intervention

# Project team

Mechanical: Tae and Ginny

Electronics: Will and TJ

Software: Lev, Luke and Talha

# Planning