

DELIBERATING AND ACTING.

PROJECT N.3.

GROUP N.6

Outlines of the Design.

- Step 1. Reading and understanding the specification of project n. 3
- Step 2. Describe the task and the environment.
- Step 3. Describe the robot.
- Step 4. Describe how the robot should act in response to its environment: In this part we worked first in the primitive behaviors.

Describe the Robot: Hardware.

- 4 wheel, two of which with independent motor.
- 2 encoders, one in each of the wheel with motor.
- *2 IR sensors.*
- *1 camera.*

- Went through many variations
 - Goal was to come up with creative design by using as few parts as possible
 - Reality dictated that we approach the design from a more traditional perspective
- End result was stable and speedy
- Unhappy with the time that it took to build it, but happy with the results

Describe the Robot: Software.

- Primitive behaviors:
 - **move_t()**.
 - **move_d()**.
 - **cam()**.
 - **tape()**.
 - **signal_done()**.

Deliberative.

