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.

Mission Planner. main()

Navigator & Pilot. move_t, move_d.

Cartographer. Color().

Steering and driving.

Sensing.