M2_Moving2

Presentation Outline

1. Results
   a. Hardware Results
      i. Updated robot design (added sensors, placement for battery and pi, lower color sensor)
         1. Demo? Video? (ASK WILLIE)
   b. Software results:
      i. API/ C++ Library try-out
         1. Functions extension: distance sensor added, discretization of color sensor
         2. First code for sensors and actuators
      ii. RL Algorithms
         1. Present final Algorithm (tbd)
            a. Algorithm research
               i. Alternatives
               ii. Why? Motivation (requirements: discrete/ continuous, offline/ online, model-free/model-based..)
            b. How it works
            c. If done, results (reward function results)
      iii. Testing *(ask Zied about Action space/ Type of action, use it to test)*
         1. Test Environment: a picture of our test setup
         2. Test plan Presentation *(Test plan must be submitted in text form!)* (maybe unit-test for basic operation)
         3. CI Pipeline/ CI Script to test Coding style
   c. Integration results
      i. System Architecture (UML diagram from Robert) (ASK WILLIE CLASS OR ACTION DIAGRAMM)
2. Plan Update
   a. Milestone 2 achievements
   b. Plan for Milestone 3 (Gantt chart) (Define integration test strategy, Implement and test) *(ask pms)*

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Robert