AME 3623: Project 9 Group Grading Rubric

April 20, 2016

Group number:

Team member names:

Team member claiming software component:

**Implementation: 35 points**

**Low-level sensing and control: 15 points**

(15) Sensing and control functions are integrated in the main loop (with the FSM code).
(8) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.

**Finite State Machine: 20 points**

(20) Fully meets the given specification, including the start-up and stopping steps.
(14) Fails to meet one aspect of the specification.
(7) Fails to meet two aspects of the specification.
(0) Fails to meet three or more aspects of the specification.

**Demonstration: 30 points**

**Start Up: 10 points**

(10) The hovercraft generates the start-up sequence, including ramp-up and detection of rotation.
(5) There is one problem with the sequence
(0) The hovercraft cannot complete this part of the task.

**Motion: 10 points**

(10) The hovercraft moves forward, turns and moves forward again.
(5) There is one problem with the sequence.
(0) The hovercraft cannot complete this part of the task.

**Shut Down: 10 points**

(15) The hovercraft detects the second wall, stops and shuts down all fans.
(5) There is one problem with the sequence.
(0) The hovercraft cannot complete this part of the task.
Documentation: 35 points

Project documentation: 5 points
(5) All required project-level information is given at the top of the C and H file(s), including:
    project number, date, group number, group members, and the group member responsible for
    the code.
(3) One required piece of information is missing.
(0) Two or more required pieces of information are missing.

Function header documentation: 15 points
(15) All functions are documented with a high-level description, a description of each of the pa-
    rameters, and a description of the return value (where appropriate).
(10) One function is not documented properly.
(5) Multiple functions are not documented properly.
(0) Function header documentation is not given.

In-line documentation: 15 points
(15) All functions include appropriate in-line documentation. (“appropriate” means that you
    capture the logic of a line of code or group of lines)
(10) One function is missing in-line documentation.
(5) Multiple functions are missing in-line documentation.
(0) No in-line documentation is given.