AME 3623: Project 9 Group Grading Rubric

April 16, 2015

Group number:

Team member names:

Team member claiming software component:

Implementation: 35 points

Low-level control: 15 points

(15) Fully meets the given specification, including waiting for switch press to start, ramping up middle fan until rotation, P-D control and shutting down at end of task.

(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 addressing all four starting conditions.

(14) Fails to meet one aspect of the specification.

(7) Fails to meet two aspects of the specification.

(0) Does not meet the given specification.

Demonstration: 35 points

Craft completes "easy" task: 10 points

(10) The hovercraft generates the signals necessary to complete the task from the C and D states.
(5) There is one problem with the sequence of motor signals.
(0) The hovercraft cannot complete the task.

Craft completes "hard" task: 10 points

(10) The hovercraft generates the signals necessary to complete the task from the A and B states.
(5) There is one problem with the sequence of motor signals.
(0) The hovercraft cannot complete the task.

Hovercraft performs on the field: 15 points

(15) The hovercraft is able to perform the above tasks on the field (as opposed to being held).
(10) There is one problem with performance on the field.
(5) There are two problems with performance.
(5) The hovercraft does not perform on the field.

Documentation: 30 points

Function header documentation: 15 points

(15) All functions are documented with a high-level description, a description of each of the parameters, 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.