AME 3623: Project 2 Group Grading Rubric

February 12, 2020

Group number:

Team member names:

Team member claiming software component:

Implementation: 35 points

Circuit 10 points

(10) The circuit includes all required components (two Sharp distance sensors).
(5) One component is missing or not connected properly.
(0) No components are connected properly.

read_distance(): 15 points

(15) Fully meets the given specification.
(10) Fails to meet one aspect of the specification.
(5) Fails to meet two aspects of the specification.
(0) Does not meet the given specification.

Component 6 loop(): 10 points

(10) Fully meets the given specification.
(5) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.

Demonstration: 25 points

Reported distances: 25 points

(25) Both distance sensors are reporting appropriate values.
(13) Only one distance sensor is working or the reported distances are not well-calibrated.
(0) Reported distances do not reflect test conditions.
Documentation: 40 points

Project documentation: 5 points

(5) All required project-level information is given at the top of the INO 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 parameters, and a description of the return value (where appropriate).
(10) Function documentation is missing one component.
(5) Function documentation is missing two components.
(0) Function header documentation is missing three or more components.

In-line documentation: 10 points

(10) Function includes all appropriate in-line documentation (“appropriate” means that you capture the logic of a line of code or group of lines)
(5) Some in-line documentation is missing.
(0) No in-line documentation is given.

Graphs: 10 points

(10) Both graph types are submitted and show correct data, title, and axis labels (including units). There are two of each type.
(7) There is a problem with one of the graphs.
(5) There is a problem with two of the graphs.
(0) There are problems with more than two graphs or the graphs are missing.