AME 3623: Project 3 Group Grading Rubric

February 28, 2017

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.

Camera query function: 10 points
(10) Fully meets the given specification.
(5) Fails to meet one aspect of the specification.
(0) Fails to meet two or more aspects of the specification.

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

Component 6 loop: 5 points
(5) Fully meets the given specification.
(3) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.

Demonstration: 25 points

Reported distances: 25 points
(25) All three dimensions (X/Y/theta) are reporting appropriate values.
(17) Two dimensions are working only or the reported distances are not well-calibrated.
(9) Only one dimension is working or the reported distances are poorly calibrated.
(0) The 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 pa-
    rameters, 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 cap-
    ture 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.

Data/graphs: 10 points

(10) The data is organized as required, and the graphs are submitted and show correct data, title,
    and axis labels (including units)

(7) There is a problem with one of the graphs or the raw data are missing.

(5) There is a problem with one of the graphs and the raw data are missing.

(0) There are problems with more than one graph and the raw data are missing.