Capstone Design (ENGN 379): Grading and Team Member Evaluations, winter 2021

There are two types of evaluations that must be submitted, listed below. Please send these directly to the instructor via email. These assessments should candidly address the merits and contributions of all team members, including yourself. If one of your team members went above and beyond the call of the duty, be sure to make a note of that and provide details about specific instances. You are being asked for these statements to help you reflect on everyone's contributions through the term. For fill disclosure, these assessements also a means by which the instructor can attempt to parse out individual contributions to the project; therefore, these evaluations will also be considered when determining final course grades. Thank you in advance for your candid and fair assessments.

1) **Self-Assessment**:
    a. List (or describe otherwise) your major contributions to the project
    b. Offer a reflective self-critique: list (or describe otherwise) at least one way you could improve your contributions; what would you have done differently?

2) **Team-member Assessment:** For each teammate/classmate, please offer a constructive critique of aspects/areas you identify as:
    a. Positive contributions to the project
    b. At least one *constructive* critique of what you feel they could have done better (we all learn through experience, we can all improve for iteration *N+1* in the future)
    c. Any other comments you wish to offer

    It is likely the case that you will have more insight to offer for some teammates/classmates than others.

Grading

The final design implementation, written report and final technical presentation account for 55 of 93 possible points (~59.1 %) of your final grade.

Grading Criteria Include:

- Design problem and real-world importance is clearly explained.

- Were the stakeholders properly identified? Was the need clearly and properly identified, and was it put into proper social and economic/market context?

- Engineering design: Was the final design developed using appropriate and correctly applied principles? Did the team clearly state the design elements and justifying rationale for including those elements? Were theoretical principles/ math models/simulations performed and applied accurately? Are construction/fabrication techniques clearly explained?

- Construction/implementation: Was the final system/solution well-designed, well-built? Did it properly function?

- Were testing and validation experiments properly designed and implemented? Was an adequate amount of data acquired to address the original problem statement and demonstrate proof-of-concept?

- Were results reported in clear and concise fashion? Were they properly interpreted?

- Does the discussion properly interpret and contextualize the current design project within the larger body of engineering designs? Does it properly describe and weight the benefits and known limitations relative to alternative and/or future designs?

- General communication – does the report clearly, completely and concisely document all aspects of the project? Is it visually rich making judicious use of graphics to describe and explain technical content?