Project Deliverable G: **Prototype 2**

GNG 2101 – Intro. to Product Dev. and Mgmt. for Engineers

Faculty of Engineering – University of Ottawa

Objective:

Develop new prototypes on your way to creating your final product.

Instructions:

As a group:

1. Summarize the client feedback that you received during your third client meeting for your first product prototype and clearly state what needs to be changed or improved in your design.
2. Based on the feedback, develop a second prototype (or more) which will help you on your way to creating your final product.
3. Document your latest prototype(s) using as many sketches/diagrams/pictures as required and explain the purpose and function of your prototype(s).
4. Carry out prototype testing, analyze and evaluate performance compared to the target specifications developed in Project Deliverable B and document all your testing results and prototype specifications. Present your testing in an organized, tabular format that shows expected versus actual results (i.e. compare your measured prototype specifications to your original target specifications by including both in a similar table to the one your developed for Project Deliverable B).

Now that a first prototype is complete, you should focus on creating multiple focused prototypes and/or begin developing a comprehensive prototype (where most of its function and other requirements are met), in order to ensure that your design will work well. You have a small budget for your final prototype (≤$100) which you can begin to use, therefore your team should be *creative* in order to improve results. Make sure that all spending is preapproved by your project manager.

Project Plan Update:

1. Update your project plan to include any missing tasks, task responsibilities, milestones, or dependencies, based on feedback you have received from your PM/TA and your better understanding of the project.
2. Include more detailed sub-tasks for the tasks that will need to be completed over the next two weeks. Important note: It should be possible for ONE person to complete each identified task or sub-task in the allotted time. The allotted time should also be reasonable, based on the task owner's availability.
3. Verify and update task start dates and end dates for each task, based on project progress.

4. Ensure you have taken into account each team member's actual availability over the next two weeks, as well as events such as particularly high course loads, exams or travel, which may limit actual project work progress.
5. Include an updated version of your project plan as part of this submission.

Submission:

Each team (***only one person from each team***) must submit a PDF copy of this deliverable by uploading the file as an attachment into Brightspace.

Due Date:

See Brightspace.