

Project Deliverable H: **Prototype III and Customer Feedback**

GNG 1103 – Engineering Design

Faculty of Engineering – University of Ottawa

Objective:

Devise a test plan and develop your third prototype. Get customer feedback on your prototype.

Instructions:

Teams will outline a prototyping test plan based on the template provided in “Lecture 11 – Prototyping Test Plan” and develop a prototype which will be used to achieve the objectives your team has set out in this plan (i.e. you need to answer the “why”, “what” and “when” of prototyping). Typical objectives include communicating and getting feedback for ideas, verifying feasibility, analysing critical subsystems or system integration or reducing risk and uncertainty. You must also define a stopping criteria which will allow you to end the test once you are satisfied that you have achieved your testing objectives. Be very clear about what you are trying to measure and define an acceptable fidelity based on the objectives of your prototype.

Since this will be your team’s third prototype, your justifications and reasoning for this prototype should include a short explanation of your results from your previous prototypes and how this third prototype continues the development of your solution. This third prototype should be a fully functional version of your solution (i.e. a comprehensive prototype). Keeping in mind the total course budget of \$100, get creative in order to improve your results. It does NOT need to be the version you would actually sell. Finally, you must gather feedback and comments on your ideas and prototype from potential clients/users that you have sought out and identified on your own and/or your actual client.

Carefully document your prototyping test plan and results (including detailed images of your prototype), as well as the feedback and comments you have gathered. Again, it is strongly recommended that you start early. You may have two weeks to complete this prototype, but keep in mind that this prototype should be comprehensive and will require a significant amount of time to complete.

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.