

Project Deliverable J: **User Manuel**

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

Faculty of Engineering – University of Ottawa

Objective:

Provide documentation that will be sent to your client and used by future groups that includes a user manual for your product, as well as any design files including code, 3D models, etc. This IS NOT just another assignment that only your TA will read.

Instructions:

Follow a standard technical document or technical report format. Essentially, this document should have the following components:

- **Title Page**, with an appropriate title, authors' names, course name, etc.
- **Abstract**: Concise summary of work.
- **Table of Contents, List of Figures, List of Tables**
- **Introduction**
 - Explain why the problem is important (“*So What?*”).
 - Explain the basic user requirements (“*Who Cares?*”).
 - Explain the differentiation in your design or the key aspects that make your product better (“*Why You?*”).
- **Main Body**:
 - The user manual that includes:
 - Important features of the product, as well as its function and capabilities.
 - Detailed instructions on how the prototype was made (include circuit or mechanical diagrams, code, 3D models, laser cut files, etc.), how it works, how to install and operate it as well as maintenance instructions.
 - Health and safety guidelines and precautions if any.
 - A troubleshooting section with technical instructions.
 - All design files with explanations so that the client or other students next term can take your project to the next level, ***along with a link to their location*** on MakerRepo.
- **Conclusions and Recommendations for Future Work**
 - Summarize your lessons learned related to your prototype and suggest the most productive avenues for future work so that other groups can continue and improve upon your work.
- **Bibliography**
- **Appendices**
 - You can put extra important or critical work info here. Maybe this work is not central to the structure of your document, but needs to be included.
 - Include your final prototype's bill of materials and parts (BOM).

The user manual is a critical part of your project. It allows you to pass on your project to your client or future students. It should be comprehensive enough so that it can be used as a standalone document.

Submission:

Each team (***only one person from each team***) must submit a PDF copy of their user manual by uploading the file as an attachment into Brightspace. A copy of the user manual and all other design files must also be uploaded to MakerRepo. MakerRepo instructions are provided here: https://en.wiki.makerepo.com/wiki/How_to_submit_a_project_to_MakerRepo.

Due Date:

See Brightspace.