

JACK GILLEN

PRODUCT DESIGN PORTFOLIO

MAYNOOTH UNIVERSITY

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Introduction

Hello, I'm Jack. I'm a current student of Maynooth University in Kildare, Ireland. I'm a 3rd year student studying Product design.

I'm hardworking and dedicated to any task set in front of me. I'm a great team leader and love to work within a team to complete the task at hand.

The following portfolio shows some of my designs created over the past 3 years, in and outside of college. The final product presented in this portfolio is something I'm hoping to extend further into the future.

AromaWorks Air Diffuser



The above product was made on Solidworks for a second year project. The product is an exact replica made from accurate dimensions. The product is a air diffusor called, AromaWorks.



The brief was to pick a household item and recreate it on solidworks. The product's dimensions had to be the exact same dimensions on the recreated product on solidworks.

Arm Rest Keypad



The image above is a second year project for a module called Usability, Ergonomics and Aesthetics. The brief was to design a product that can be used for people who work from home.

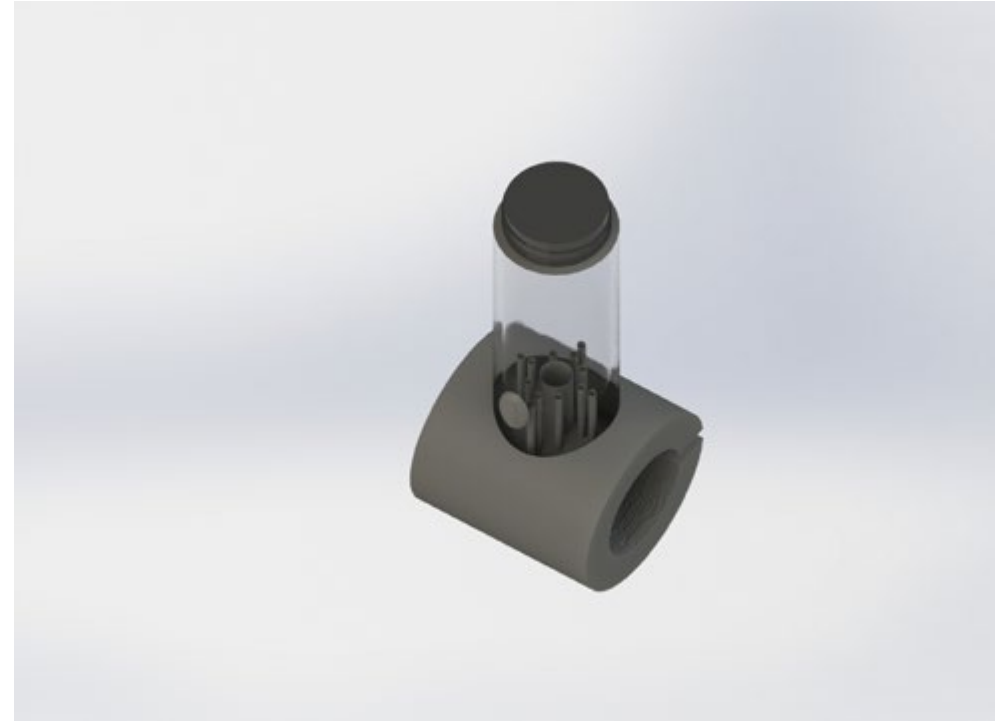


The keypad is designed to rest on the arms of desk chair or any flat surface. A pivoting hinge was placed at the end of the keypad which allows the user to adjust the angle of the keypad to their desirability.

The images above are quick mock ups of prototypes which were used to work out the positioning and the angle of the keypad. This was designed to help the posture of the user. The keypads allow them to sit back on a chair, instead of leaning forward.

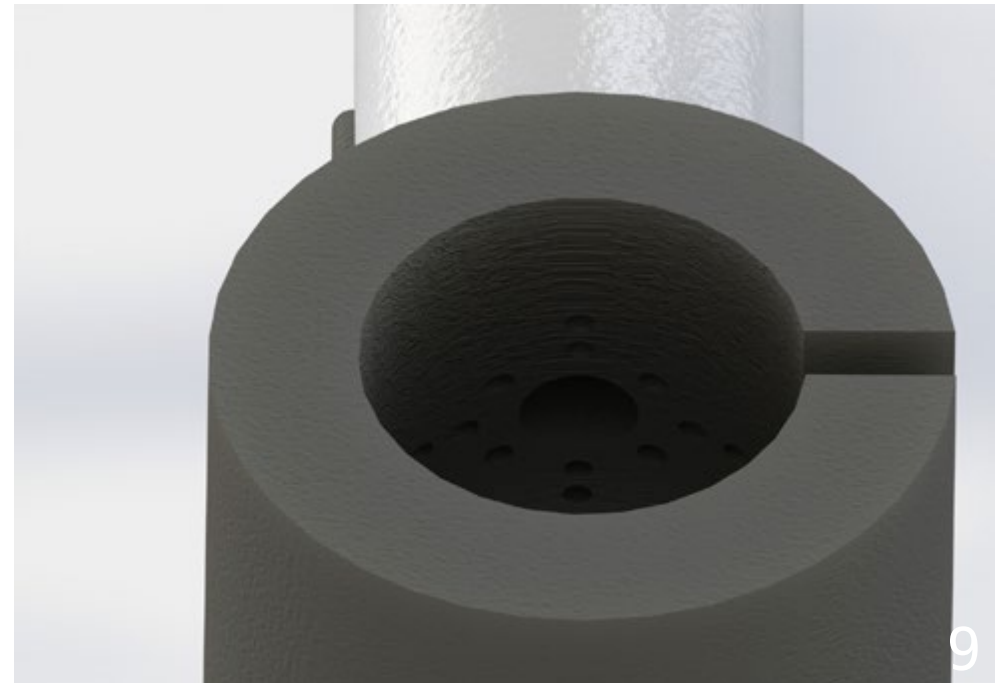


This next design is a product that I made to solve a very simple problem, outside of the college curriculum. It's called the GymPro. It's purpose is to disinfect a standard Olympic barbell before use. Due to the on going current situation of Covid-19, gyms have struggled to stay open. This is due to the spread bacteria. This simple solution may help slow down the spread of any bacteria.



The user simply fills up the capsule with disinfectant and screws the cap back on. The rubberised gripper allows the user to push it onto the barbell so it fits tightly on the barbell's handle. Then, the user slides the GymPro down the barbell while pressing the release button, which releases the disinfectant.

The roughened surface on the inside is designed to clean and remove any bacteria. There are several holes placed on the inside, which release the solution. The holes are made up of a radius of 4mm and 2mm.





Thank you!



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