



2 Hillcrest St. Tempe, NSW 2044
0409 784 872
Malcolmturnbull1@bigpond.com

Marc Carmichael
Lecturer, Mechanical & Mechatronic Design

Liyand Liu
PhD Student

6th November, 2017

Dear Marc and Liyang,

Thank you for the work that has been carried out at UTS to design a portable lifting device that could be used by people with mobility issues. It is encouraging to see the MMD3 course incorporating practical applications so that the students can get experience on “real world” design and manufacturing applications. Thanks Marc for bringing this aspect into the course, and for allocating resources to realise the project thus far.

Thanks to Liyang as well for bringing me, as an outsider, into the University teaching program.

I want to extend a thankyou to all involved, including the advisors/tutors Jonathan Woolfrey and Clyde Webster. And of course the students, the members of the ‘Mobotronic’ and ‘UP Engineering’ teams.

I greatly appreciate the way all these participants embraced the project and sought to come up with a design that met my initial design specifications. The poster that summarises the work carried out is informative in showing how the participants researched the requirements I was especially encouraged that they obtained feedback from an Occupational Therapists regards the issues.

The final prototype is quite an achievement. Air is not an easy medium to work with when it comes to this sort of application, so their work in finding the right materials and sealing techniques is excellent. Incorporating handles for safety and support is also fantastic, once again a challenging thing to do when working with plastics and air.

The portability of the product is a significant achievement as well, the fact it can be transported easily for use in a variety of settings is critical to the usefulness of the product.

Once again, please pass on my sincere thanks to all involved for their work, and especially for taking time to discuss and understand the needs so that the result reflected what the main objectives were.

Yours Sincerely
Malcolm Turnbull