MEETING MINUTES

Meeting Minutes: Week 2

ME 476C-006
Portable Carrier B Team
Sept 12, 2018
Time held: From 7:00pm to 7:30pm
Location: ENG Building
Recorded by: Abdullah Alfaraj

Attendance: Saleh Alotaibi, Abdullah Alfaraj, Ahmad Almutairi, and Abdalaziz Alhelfy

Topics:

1. Tasks assigned
2. Plan for next meeting

Executive Summary

In this meeting minutes, we are going to discuss our second meeting after we met our Staff Dr. Trevas. We discussed what we know about the whole design that we are going to create and the goal and purpose of Portable Carrier. Dr. Trevas gave us great ideas related to our projects and he divided the tasks that he wants between us.

Tasks

As we mentioned before, Dr. Trevas gave us the tasks and divided equally between us, so we can work on them and have 3-4 examples related to each task and do a research for them before we meet him for the next meeting. There four important tasks that are useful for our design and can make it creative:

- Motors

For example:

- What are the electric motors types that might be good for the device?
- What are the sizes might be good for the device?
- How many motor are we going to use?
- What is the cost for motors?
- Frames

For example:

- We need the frame to be folded
- Easy to operate
- Less weight so the device won't be heavy for the customer (like use carbon fiber, it is not cheap but not heavy
- We can use a waterproof coating to save our stuffs from the weather if it is raining
- Does not take more than half of the truck (the size is very important)
- What are the possible sizes for the frame to take 50 pounds
- What is the budget for each?

- Wheels

For example:

- What are the size of the wheels which let them to climb the stairs (find something adjustable) like the customer can make the wheels small or big depend on what he needs
- We can use triple wheels for the 3rd rotation and climbing the stairs
- Find something can handle 50 pounds, so weight of wheels is important
- Something can work on snow or any weather
- Brakes to fix the carrier from sliding
- How much it will cost for the wheels

- Control system

For example:

- How to apply electricity to the device?
- What is the best controlling system that we are going to use? (Like is there bags nowadays for sensors they follow the person walk?)
- Are we going to use rechargeable battery?, how many hour it should take to recharge it and how many hour it will produce energy?
- What is the budget for this?

Plan for next meeting

We are four team members and the Dr. Trevas asked us to do these tasks, so each one will be responsible to do research on 3 different types of each task to choos what are the best ideas for our design.