Musts

* All electronics are insulated from users
* Battery life to allow at least travel 2 km
* Made from durable material

Wants

* The packages are safely secured such that they cannot be stolen
* The project can be done in less time?
* Costs less than 2000
* Certain speed, the packages can be delivered in less than 20 minutes between 2 buildings 100m apart.
* Allows 4 km
* Charging station ?

Constraints

* The cost of the project must not exceed 3500
* Must be done before the end of the spring semester
* Environmentally friendly material
* The project should weigh less than x kg

Risks/Mitigation

* The robot might get stuck/ Notify administrators in case the robot cannot move
* Packages might be stolen/ lock system
* Components won’t arrive on time/ Order them early. (duplicate with assumptions)

Assumptions

* There’s a strong GPS signal within the campus?
* The components will arrive on time
* No components are DOA (dead on arrival)

Milestones/deliverables

* To be specific we need to mention solution
* Project charter
* Generate alternatives
* Choosing between alternatives
* Make a plan
* Order components
* Software
* Hardware
* Testing & troubleshooting

Specifications

* Delivery of lightweight packages (<1 kg)
* Size of package at least x m3
* Deliver to at least x km from sender

Objectives

Lower level

* Delivery to different
* Obstacle avoidance

Higher level

* Improve productivity of students/University employees

Problem statement

Roles

* Wael Idea challenger, Recorder
* Muhannad Organizer, Gatekeeper
* Suliman Team leader/ Project manger
* Plays the role of the devil’s advocate, types the meeting minutes. ( I do not do this yet)
* Organizes team meetings time and place and the meeting outcomes, Ensures that all goals are achieved.
* Planning and organizing the completion of tasks within the project