Team Name: Team GoGetter

Date of Submission: October 3 , 2021

Meeting Date & Time: October 3, 2021 at 4:00 PM

Meeting Location Library C- space

Meeting Duration: 3 hour

Team Members	X = Present	Notes
Khanh Le	X	
Phuong Nguyen	X	
Abdullah Alhoulan	X	
Mutlaq Alotaibi	X	
Marshall Aurell	X	

Progress: Discussed and delegated workload for the upcoming representation. Practice the presentation. We also discussed the current objectives of the project, specifically the wifi implementation and data storage.

Individual contributions:

Phuong: Team meet up and make power-point slides for the upcoming presentation. I am responsible for making my team skill analysis slide. We've discussed and arranged a time to rehearse for the presentation.

Khanh: We discussed the problems we are facing regarding the wifi implementation on our Arduino board. Practice the upcoming presentation.

Mutlaq: Our team met up and worked on our coming presentation. I will talk about Data and Software in our presentation. We are following up with each task still not being done.

Abdullah: We met today to work on a presentation and everyone took slides to do it . My slide will be in the acquisition schedule and first semester schedule. We also agreed to meet before the presentation to do more practice .

Marshall: We discussed the IR vs PIR sensors. Discussed some ideas on how it might work with the arduino coding aspect. Discussed meeting time with the team on when we will practice our presentation.

Team Member	Assignment	Due Date	% Complete
Phuong	Find and research and draft reports of various strain gauges.	9/18	100%
Abdullah, Khanh	Find and research and draft reports of various motion sensors before deciding what to use.	9/18	100%
Marshall	Find and research Arduino microprocessors	9/26	100%
Team	Draft the basic logic model of the system.		100%
Team	Decide on the design of the sensor system (within a housing or separated)	9/26	100%
Mutlaq	Power consumption / supply		After knowing the sensor design
Khanh	3D printer for module/ CAD designs		
Khanh	Direction sensor	10/1	100%
Team	Put the sensor model together	10/18	
Phuong, Marshall	Find the codes for Arduino sensors	10/1	
Team	Project Planning Document	9/26	100%

Cost:

ID	Price	Manufacturer	Manufacturer Product Number	Link
Load Cell	$11.19	Degraw Design	4 x Load cell 0-50KG 1 x HX711 24BIT Precision ADC Module on breakout board 10 x Breakaway header pins for HX711 connection	https://www.amazon.com/Degraw-Amplifier-Weight-Arduino-Bathroom/dp/B075Y5R7T7/ref=sr_1_8?dchild=1&keywords=load+cell+arduino+150k&qid=1631958394&sr=8-8

Arduino Board with Wifi	$44.80	Arduino	Code: ABX00021 / Barcode: 7630049200234	https://store-usa.arduino.cc/products/arduino-uno-wifi-rev2
Motion Sensor				JBC 106
Amplifiers				JBC 106

Plan (future work):

Assignment	Due Date
Power supply (AC-old phone charger/DC-lithium battery)	
Arduino logic codes (how the data is being used)	
Wireless integration between 2 systems (BT/Wi-fi)	
Research the alert system (7 segment display or an alarm).	

IoT for communication	

Issues:

Include the schedule for the next meeting:

Meeting Date & Time: TBD

Meeting Location: JBC 106