**2/3/2023 Meeting Minutes: (12:00 – 12:30pm)**

* Joe, Hannah, Nukes, Bex and Fraser

Service Robot

* Fraser to give us all existing files for starting reference / initial resources.
* $1000 starting budget
* Sensors + controller needed (Jetson Nano suggested + jetpack system) nuc option.
* Motors + Drivers provided.
* Batteries needed – Lippo or led acid – how to charge, Lithium ion polymer batteries
* Motors = 24V
* Sensors = encoders on wheels, drifting = bad. IMU – better? RGBD/Lidar sensors.
* Lidar = 5m, 360 degrees.
* Use GitHub for sensors code.
* Ethernet based communication between major models. TP link switch, router exists.

What is the purpose of this robot?

* Suspension
* Indoor/outdoor
* Manufacturability
* Sturdy
* Modular design approach
* Enclosure
* Wire Management
* Platform to provide a service – Problems, NZ context will be easier, Environment, Socio-environmental impact.
* Submit to Fraser a week earlier. – Fraser personal expectation. Face to Face. Be honest – don’t bullshit on progress.
* What is the work delegation?
* What do we want this to do?

Identify major roles and apply 2IC

How does what we are doing aid in future – great for presentation?