# T29: Equipment Request

Team: T29

**Project:** Smart Warehouse Inventory Tracker

# **Requested Equipment:**

1) M5StickCPlus – 4pcs

# **Equipment used:**

- 1) M5StickCPlus 6pcs
  - Sensor Nodes/Object
- 2) Raspberry Pi 1pc
  - Base node/Gateway device

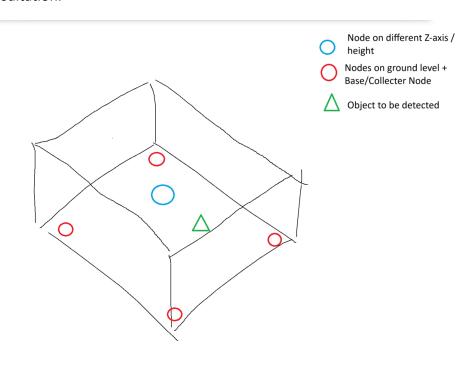
### Justification:

Our team project focuses on the tracking of items in an indoor space. (Vertical and horizontal positions)

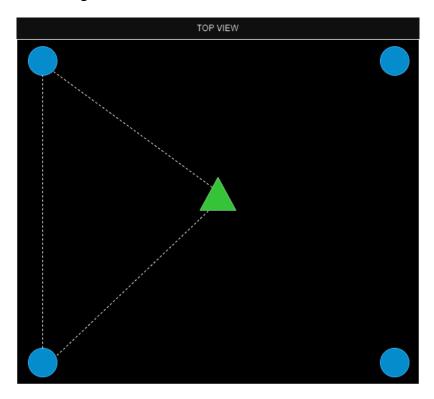
Currently, each member only has 1 M5StickC. We need more M5StickC so that members can test and work on the project without having to borrow M5StickC from teammates.

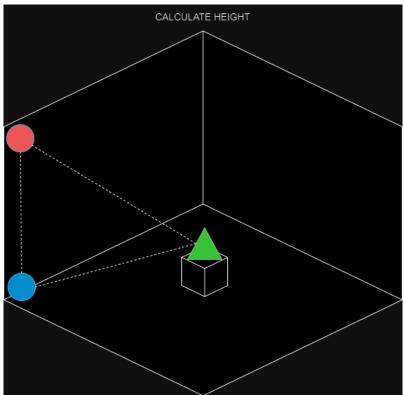
We will be using the RSSI of the Bluetooth module in the M5StickCPlus to detect the distance between nodes and triangulate the object. The **blue** node represents a node that will be placed on the ceiling for calculation of z-axis positioning.

We came up with the model below based on Prof Malcom's suggestion and advice during Week 6 lab consultation.



We added 2 other diagrams below to further clarify the idea. The nodes will determine the object's position via triangulation.





# Feedback From Professor Fauzi:

Assignments > View Feedback

# Feedback for Equipment Request

