**Meeting Minutes #1**

**Date: February 15, 2018**

**Agenda:**

* Define/ Understand Problem Statement
* Break down the problem into smaller tasks

**Discussion:**

1. **Problem Statement**
   1. create an autonomous system that locates and retrieves a tesseract and places it under the pyramid that is emitting the correct signal.
2. **Step by Step breakdown**

* Locate the cube
* Retrieve the cube
* Locate the correct pyramid
* Pick up pyramid
* Place pyramid over cube

1. **Concerns:**

* The robot’s motion might not be able to effectively move over the conduits
  + Friction calculations required to select appropriate motors and wheels
  + Unsteady motion over the conduits may result in the loss of the location of the pyramid or tesseract when locating them
* Cube might be pushed over the wall during cube retrieval

**To be completed:**

1. Brainstorm possible strategies for locating the tesseract
2. Compile several solutions for tesseract and pyramid retrieval
3. Research possible sensors that could be used in the products