**Recycle Sorter Meeting #3 - 19/10/17**

# Attendance

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| **Name** | **Attendance** |
| Jainil Gandhi |  |
| Akif Manzoor |  |
| Danielle Galarneau |  |
| Ibrahim Chohan |  |
| Uneeb Islam |  |
| Dirieh Mahdi Ali |  |
| Amy Li |  |
| Sana Zahid |  |

# Updates

### Mechanical:

### Electrical:

* Looking for Metal Detectors (Jainil)

### Software:

* Looking at using CNN (Convolutional Neural Networking) with Tensorflow for object detection

# Tasks

### Mechanical:

* CAD Gutter Line
* CAD Chute (Ibrahim & Danielle)
* Chute assembly complete: dimensions redone and pin added (issue with mates) (done in SW 2015)

### Electrical:

* Research Plastic Sensor (Unassigned)
  + Capacitive sensor?
  + Low-cost spectrometer?
* Research Paper Sensor (Sana)

### Software:

* Looking at Tensorflow (Uneeb)
* Meet with Professor Jochen Lang to find options for Object Detection (Akif)
  + Will meet during reading week, time and date TBD
  + He was able to detect a tims cup (MUCH better than ours)
* Research: Open Detection (Akif)
* Research: Clarifai (Akif)