

Date: 9/7/16

## Wednesday Challenge Form

Group Members: John, Monte, Krish, Jess

**Problem Statement:** Create a concept for a machine that can tell whether an animal is a dog or cat.

**Approach:** A transparent box to put the cat or dog in that has cameras in it. The cameras would be hooked up to a laptop that would do a reverse google image search, finding corresponding pictures and saying either cat pictures or dog pictures. All one would have to do is set the animal in the box.

**Solution:** The winning group's design was a bowl that would be able to tell the Direction in which the animals tongue goes when it drinks water because dog's and cat's Tongues go different directions.

**Lessons Learned:** I learned that doing research on your subject, in this case Cats and dogs, can help you to come up with intelligent and efficient ideas.