

Date:

## Wednesday Challenge Form

Group Members:

**Problem Statement:** Design a robot that can tell the difference between a cat and a dog without harming it. We are not actually designing a robot but describing it in 3 sentences maximum.

**Approach:** Our approach was to find the Differences between a cat and the dog. Our group came up with the teeth of the animal, since both are different. We then looked up how many teeth a dog and cat have and thought up of the idea of a chew toy that would be scented to get the animal to bite it leaving a mark in it. Then we would make the robot analyze it thus performing the task of differing a cat from a dog with a robot.

**Solution:** Our group didn't win this challenge. The team who won did it on the animal's tongue while drinking water.

**Lessons Learned:** We learned that we had to Think outside the box more.