**Presentation: speech**

**Define problem:**

Have you ever had unwanted visitor in your garden? This could be a pigeon pecking at your freshly grown herbs. The neighbourhood cat who likes to leave a little morning surprises (show picture of cat pooing). Rats digging and chewing at your freshly cut lawn. Unfortunately, in a lot of cases, garden fence is not enough to keep those pesky critters out.

I would like to introduce you to the garden defender! The garden defender is a robotic garden deterrent that provides the critter deterrent that your garden needs. With a camera looking into your garden, the garden defender will deter unwanted guests by detecting, aiming, and shooting a water pellet at your intruder.

We have also taken friendly fire into consideration. To prevent the garden defender shooting at people and “friendly” pets, machine learning software packages for “object detection” and “classification” will be used to distinguish between friend and foe. The system will not fire when a friend is detected. With the garden defender, you can rest and enjoy your garden without any unwanted guest.

Thank you. Do you have any questions?