

Brainstorm

Brainstorm Ideas Yorn

1. **Disaster help drone**
2. **Deliver service robot for every home/ for every in the catering industry**
3. **AI assistant in your (smart) home.**

1. Disaster help drone

In this case the idea was to make/sketch a self-flying disaster help drone that searches for people (with use of warmth cameras) and maybe even helps them with med-kits and or a gripper that takes away debris. However, the latter would be the greatest challenge because PHYSICS.

2. Deliver service robot for every home/for every in the catering industry

This idea is based on self-driving deliver robots, however, now the idea is to make it :

- 1) a robot that everyone has and that rides to the takeaway point for you
- 2) a service that the catering industry can order. The robot collects all the food that has to be delivered, even if it is from different companies, and calculates the best route to go by all the addresses.

3) AI assistant in your (smart) home

Brainstorm ideas Paulien

1. Trash cleaning robot (for littering)

The idea was to create a mobile robot that could recognize thrown away cans and that could pick it up

2. A robot/service to help children learn programming

A software program that creates a learning program, adjusted to the child's educational curve

3. Home gardening robot

The idea is that there is a small thing that lets you grow crops and with the help of AI and/or a robot that keeps up with the water levels, mulch, etc

Brainstorm Ideas Ezra

1. **Voice-based virtual assistant for OS**

The idea is to create an assistant that is easily useable for the average citizen in times of corona, to get some help with common issues people might have with windows.

2. **Plagiarism checker with data mining**

An idea to create an efficient plagiarism checker

3. **Facial recognition emotion detection with deep learning**

To detect whether people are still happy when working from home behind their laptops, we could implement facial emotion recognition software.

Brainstorm Ries

1. Sort of gravity/balance corrector

The idea that cats always land on their feet when they fall. Throw something and making sure it lands a certain way. Using gyroscopes (ofzo?). Can be used in ___? (Magic, toys for kids (Black Panther suit tech))

2. Cup balancer

This is for young children who are not capable of holding a cup up straight or are likely to spill their drink. When the mouth of a kid is on the edge of the cup the system deactivates so the child is able to drink.

3. Automatic plant watering system

System which detects when the plant is in need of water and the right amount of water is being dispensed into the soil. Keeping light levels and soil richness in mind.

4. (BB-8 robot)

Gewoon een BB-8 robot maken, super leuk! :) (Ik wil hem dan wel hebben aan het eind)

Top suggestions after brainstorm session:

- Healthcare robot (but is too complicated in a central implementation)
- Gardening (groupmembers had previous projects on this, so it would not be interesting to them)
- Facial recognition (done before in this course)
- Study on already existing technology (no real implementation)