

# Group 4 Purple

## Intro week ideas

Ideas:

## Entertainment

### VR

- Make a game into a VR experience
- AR navigation
  - What if we had sunglasses that show you what google maps already show?
  - Implement google maps into smart glasses
  - implement ways for also driving
    - road closures
    - Traffic
    - Police
    - Cameras
  - for walking- set goals, count steps,

### AI Movie set

What if movie sets become projected by ai?

What if the movie's background is full AI generated.

- Movie making,
- development of sets using AI
- New safer and cheaper ways to recreate environments, for example rain, fire, explosions, etc.
- AI Theatres
- people would be able to experience movies through VR

# Sports

AI Sport Jury/trainer

- VR reality
- No judges
- More fair scores
- Cameras to watch performances from all angles and analyse it perfectly

# Food

- Robots becoming servers and cooks
- Delivery drones for groceries and food except for using people.

## Research

1. AI in sports
2. Pros and Cons of using AI to

Pros:

- Fair judging
- Less labour costs
- More precise judging
- People can defend their statement.
- Less chance of forgery
- Can judge sports from all angles with cameras
- It can be used for training, preventing injuries and coming up with an optimal score

Cons:

- Few people would have worked in the sport industry.
- AI can't defend his statement, people can.
- It wouldn't work in all creative fields
- Limited adaptability

# Project plan

## 1. Team:

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## 2. Brainstorm

We started by thinking about different ideas and talking about the different fields. At the end we had two main ideas and asked a teacher for guidance. The tips we got is to go with our sports idea and expand it more. The original idea is to make judging and scores be given by AI and machines, that film the performances from all angles and make the final score. After we talked about it more we thought that would have more advantages and we want to invent something that would help and improve the training more. The topic we landed on were holograms that would project the performance after. By using that, athletes can see how they look from every angle and improve their performance, prevent injuries, see their mistakes and keep a record of their best performances. It can also be used during competitions when there is a disagreement over the score, the judges can look at the performance again.

## 3. Problem statement

It is hard to determine how many points to give for performance sports for the jury. The jury has to look at a lot of details which are very difficult to see on camera or in person.

## 4. Target audience

We will focus on Athletes who compete in gymnastic and other performance based sports.

## 5. Deliverables

A device that films performances of athletes, then turns it into a hologram and projects it as a 3D object.

# What if?

What if we had holograms to reshape performance in sports training?