Current AI Development and the Ethics of AI

Group Project Planner

THE PROCESS

Here is a quick summary for this group project:

1. **Two to three students work as a group**
2. **Pick one current AI technology (see the list for suggestions below)**
3. **Answer the default set of questions**
4. **Pick three questions, two if only two members in a team from a given list as your project focus (See Appendix)**.
5. **Work out who is responsible for which questions in your team**
6. **Brain storm and pick a presentation format to present your work**
7. **Decide who is going to present to the whole group upon finish**

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| **Group Members** |
| 1. |
| 2. |
| 3. |

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| **A list of current AIs for you to get started** | |
| * Alexa/Google Home * ASIMO * Self-driving cars * IBM Watson * The Mars Rover * Google Duplex * Boston Dynamics’ Spot * Military Drones * Agricultural Robots * Financial Trading AI * Autopilot * Medical AIs | * SMMRY - summarises text on any webpage * Emily Howell - an AI composer * Longplayer - a platform designed to play 1000 years of unique music without repetition * 1 the Road - an AI with a book of the same name, based on a travel across America in the style of Kerouac's On the Road. |

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| **Default Questions Your Team Must Answer:** | **Tick when done** |
| 1. Explain how the technology works? |  |
| 1. What is its intended design purpose? |  |
| 1. What are the main features? |  |
| 1. Find out the history or origins of this technology? |  |
| 1. How do you interact with this technology? |  |
| 1. Which AI goals are demonstrated by this technology? |  |

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| **Selected Questions your Team Will Answer: See the list at the end of this pack**   1. Pick 3 questions from the list, 2 questions if only two team members 2. Divide the task: each member is responsible for answering one of the picked questions |
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| **Group Responsibilities** | | |
| Group Member 1 | Group Member 2 | Group Member 3 |
| **Example**:   * answer default question 1 and 2 * answer selected question 2 * find artwork for presentation |  |  |

My notes to assigned questions

Example:

Default question 1 notes:

Default question 2 notes:

Selected question 1 notes:

Progress Evaluation

When your team has finished a first draft of presentation, go over it together and ask your peers to give your feedback. Record the feedback here.

My Team Feedback:

My Peer Feedback:

Improvements To Be Made:

Appendix: questions to be selected by a team

# How could AI be held responsible for crimes? Can we put AI in prison? Who would be responsible?

# Could an AI be the owner of items? Discuss this statement and justify your answers.

# What happens to an AI if its creator dies? Who is responsible for it?

# Could AIs have the right to vote? If yes, why? What are the moral issues with this?

# Could an AI know *everything*? How might this be used either for positive or negative reasons?

# What kind of jobs will least likely be replaced by AIs and why?

# Which industry do you think might benefit the most from the use of AI and why?

# Job loss due to advancement of AIs is a big concern. What do you think we can do as a society to deal with it?

# Overall, do you think that AI development has more positive or negative effects on society? Discuss and justify your answers.

# In what areas can AI make "better" decisions than humans? What affect would this have on skilled workers and their rights?

# Not all decisions made by AIs are optimal, in fact, sometimes the outcomes can be harmful. For examples, although AIs can be used to analyse a large data set to help doctors diagnose even operate on patients, things can go wrong such as mis-diagnose. These undesirable outcomes can become worse if the loss of human lives is large. For example, AI in autopilot has taken control the plane and led to crash. Who is responsible for decisions made by AI?

# AIs can become quite powerful. To prevent AIs from hurting people and humanity as a whole, what international laws should be put in place to limit AI?

# What are the biggest challenges in AI development? Why?

# What are researchers currently working towards in the field of AI?

# How do AI technology development and research, law making and social acceptance of AI influence one or another?

# Health officials want to use AI technology to access personal data from social media apps. They want to assess an individual’s mental health so that they can provide better mental health intervention and treatment. Discuss this in terms of breach of data protection laws, ethical and moral issues and privacy?

# Self-driving technology is rapidly evolving, in the event of an accident who would be to blame? Would it be the fault of the owner of the car, the manufacturer of the car, the programmer of the car, or the computer program/technology? Discuss this issue and justify your answers.