



L-Università
ta' Malta

ARI3900 - Ethics and AI - Assignment

Question Number 1

Nathan Bonavia Zammit

Bachelor of Science in

Information Technology (Honours)

(Artificial Intelligence)

June 2022

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

Declaration

Plagiarism is defined as “the unacknowledged use, as one’s own work, of work of another person, whether or not such work has been published” (Regulations Governing Conduct at Examinations, 1997, Regulation 1 (viii), University of Malta).

I / We*, the undersigned, declare that the [assignment / Assigned Practical Task report / Final Year Project report] submitted is my / our* work, except where acknowledged and referenced.

I / We* understand that the penalties for making a false declaration may include, but are not limited to, loss of marks; cancellation of examination results; enforced suspension of studies; or expulsion from the degree programme.

Work submitted without this signed declaration will not be corrected, and will be given zero marks.

* Delete as appropriate.

(N.B. If the assignment is meant to be submitted anonymously, please sign this form and submit it to the Departmental Officer separately from the assignment).

Nathan Bonavia Zammit

Student Name



Signature

Student Name

Signature

Student Name

Signature

Student Name

Signature

ARI 3900

Course Code

Ethics and AI Assignment – Question 1

Title of work submitted

11/01/2023

Date

The purpose of creating AI humanoids capable of "love" is to provide companionship for people who may be lonely or isolated, such as elderly people or couples who may want to have an AI child. The stakeholders in this technology include the company that created the AI humanoids, the customers who purchase the humanoids, and society as a whole.

There are several vulnerable groups that may be affected by this technology. For example, elderly people may become emotionally attached to their AI companions, which could lead to feelings of loss or grief if the companions malfunction or need to be replaced. Additionally, children raised by AI parents may struggle to form healthy relationships with humans later in life.

The data used to train the AI humanoids would likely include a wide range of information about human emotions, behavior, and communication. This data would be used to train the AI to recognize and respond to emotional cues, and to simulate human-like emotions and behavior. The company that created the AI humanoids would be accountable for ensuring that the humanoids are safe and reliable and that they do not cause any harm to their users. Additionally, the company would be responsible for securing and protecting any personal data that is collected from the humanoids' users.

There are several ethical tools that can be used to evaluate the development and use of AI humanoids capable of "love", such as the "Asilomar AI Principles" [1] and the "Robot Ethics Charter" [2] developed by the IEEE. These tools provide a framework for evaluating the social, ethical, and legal implications of AI technology.

Possible harms of the AI humanoids include elderly people becoming overly dependent on the companionship of their AI humanoids and children raised by AI parents may struggle to form healthy relationships with humans later in life. Moreover, AI humanoids could be used in ways that exploit or harm humans, such as in elder abuse or domestic abuse scenarios.

Benefits of the AI humanoids include providing companionship and support for people who are lonely or isolated and improving mental and physical well-being of the humanoids users. An ethics plan for the AI humanoids would include conducting a thorough risk assessment to identify any potential harms that may be caused by the humanoids, developing guidelines for the safe and ethical use of the humanoids, regularly monitoring and evaluating the humanoids in use to identify any potential issues or problems, creating a transparent and accessible process for reporting any concerns or issues with the humanoids, actively engaging with and listening to the input of relevant stakeholders, including customers, ethicists, and society at large and continuously updating and refining the ethics plan in light of new information or developments.

References:

[1] Asilomar AI Principles: <https://futureoflife.org/ai-principles/>

[2] Robot Ethics Charter: <https://www.ieee.org/about/corporate/governance/p7-8.html>