The Ethical Impact of AI
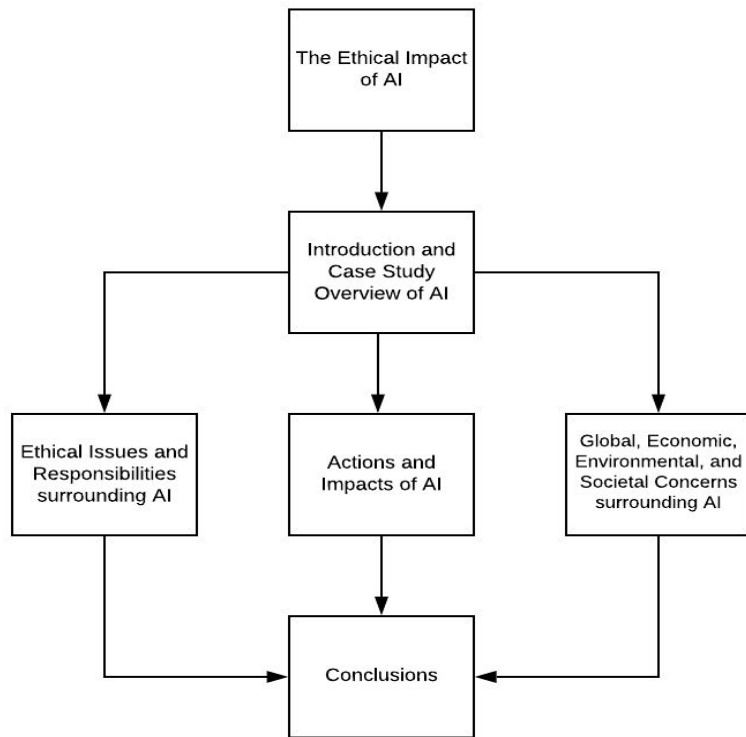
Outline

Main Ethical Issues:

-Job Loss and Wealth Inequality (people replaced with robots, CEOs become richer

-Possibility of an AI making a mistake (becomes rogue or has a bias)

-Singularities (AI becomes more intelligent than humans)

-AI rights (should they have the same rights as humans?)

Case Study Overview

Artificial Intelligence- machine's ability to make decisions and think like a human

Algorithms- rules or instructions that a machine follows

Stakeholders: Public(jobs, malfunctions, taxpayer money), Business/Company(less use for employees), Government(evaluation of AI used as weaponry), Engineers/Manufacturers (programming AI without detrimental errors)
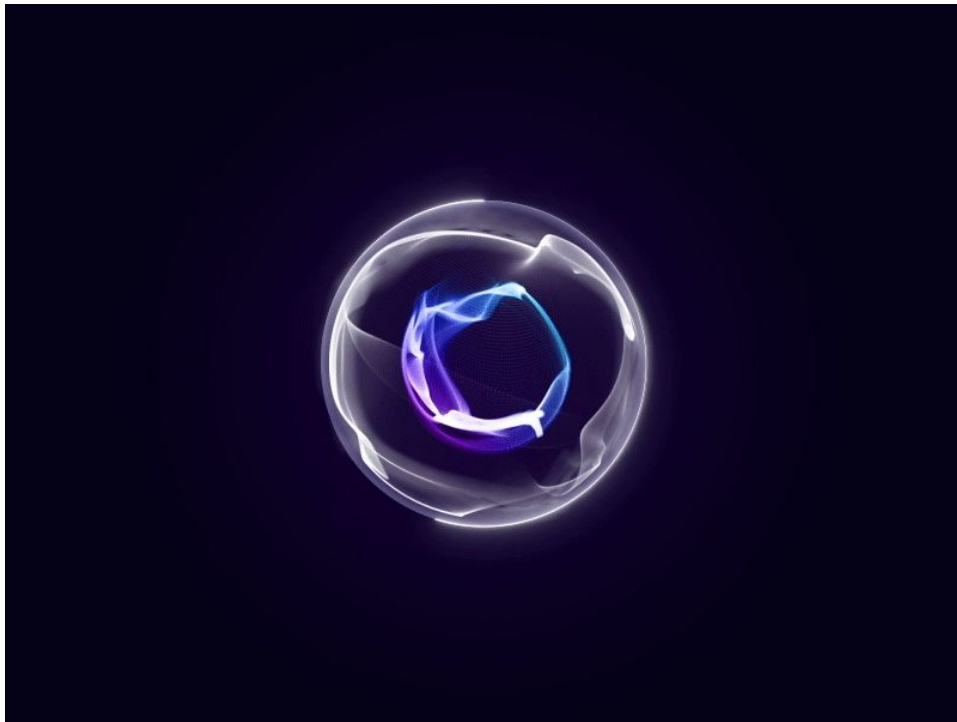
Ethical issues and responsibilities

(1.Fund.Can.)Engineers shall hold paramount the safety, health, and welfare of the public.

(III.2.)Engineers shall at all times strive to serve the public interest.

Engineers' Responsibilities:
-Users of the AI deserve to know who manufactured the system
-Human safety is paramount
-Retrain people to prepare for AI
-Security, firewalls
-Records

Actions and impacts

Possible actions:
-Humans are valued before AIs
-AIs are built based on their product requirements
-Remote shutdown of AI
-Limitations in knowledge potential
-Constant record of all AI, monitoring their decisions

Impacts:
-Will create a society where AIs aren't trustworthy
-AIs could bypass shutdown and limitations

Global, Economic, Environmental, Societal Concerns

Global- AI can become militarized, increase tensions for technological power

Economic- influx of money for businesses, will affect the unemployed

Environmental- Because of AI's processing, their carbon footprint would be substantial

Societal- AIs would replace jobs, alter relationships, increase laziness, replace pets

Conclusions

Although it is important to explore the technology impact of AI, the possibilities of AI implementation seems hazardous due to their ability to self-learn. Engineers should proceed with caution.