

ManKind faces the challenges of using Artificial intelligence responsibly

1. Introduction

Thesis statement: Despite all the opportunities AI has come with, there are certain ethical challenges which AI imposes on the societies. The development of secure and faultless AI system is still an obstacle for many societies in its adoption. However, establishment of laws as well as their enforcement can mitigate the negative consequences of AI.

2. How ethical use of Artificial Intelligence is a challenge

3. Challenges that AI presents to mankind

- a. Privacy issue of personal data and information
- b. Transformation of neutral systems to biased systems
- c. Machine replacement of human jobs
- d. Safety challenges in AI powered autonomous systems
- e. Arms race in AI warfare development
- f. Over reliance on AI may lead to decline in human critical thinking ability.
- g. Ethical consideration of deepfake technology enhanced by AI
- h. The ecological challenge of AI
- i. Unaffordable AI system development costs.

4. Wide-ranging effects of AI challenges/unethical use of AI

- a. Lack of societal trust is a barrier in AI's adoption
- b. Discriminatory AI systems can unfairly disadvantage certain groups
- c. Shift in job market causing unemployment or requiring

workforce retraining.

d. Vulnerable AI systems can lead to loss and breaches of sensitive information.

e. The energy consumption of AI systems contributes to carbon emission/environmental degradation.

5. Way forward for mitigating the unethical use of AI

a. Implementation of bias detection and mitigation techniques

b. Establishment of clear ethical guidelines of AI developments

c. Creation of ethics review teams

d. Raise awareness about ethical consideration of AI.

6. Conclusion