Artificial Intelligence: pros and cons

1. **Introduction:**
   Thesis Statement:

   Artificial Intelligence (AI) is a technology that offers numerous pros, it also posses significant Cons that need to be addressed.

2. **Pros of Artificial Intelligence:**

   2a. Increasing advancements in healthcare
   2b. Optimizing agriculture sector
   2c. Revolutionizing transport sector
   2d. Availability of virtual assistance
   2e Supporting teachers in lesson planning.

3. **Cons of Artificial intelligence:**

   3a. Diminshing human-to-human connection
   3b. Increasing deep fakes and disinformation
   3c. Increasing job displacement and unemployment
   3d. leading to Security risks
   3e. Displacement of humans and human's creativity

4. **Measures to mitigate cons of AI:**

   4a. Giving value to human judgment
   4b. Meetings and Sominaers to use AI
   4c. Accountability mechanisms from govt officals.

   governmental

5. **Conclusion:**

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5. Conclusion:

Artificial Intelligence (AI) has rapidly become an integral part of human's life. Personal assistance like Siri, Alexa and Google to self driving cars and medical diagonsis, AI has made tremendous progress in recent years. On the other hand AI has cons as well like the vulnerability to cyber attacks in which it leads to security breaches. AI depends on how one person use it. Moreover, to go into details, AI pros include increasing advancements in agricul healthcare and medicine sector in which the USA has prepared virtual nurse "care angel". likewise, AI is optimizing agriculture sectors in which "modern drones" is being used in farming and harveting. Similarly, it also revolutionizing the transport sector in which multiple countries like the USA, china and Japan is trying to launch self driving cars with the help of self driving cars, the risk of accidents is reduced. AI is available twenty four hours in which one can easily interact and solve problems. last but not the least, It helps the teachers to organize and plan their lessons in which automated grading, relevant resources and text-to-speech and speech-to-text system is used. Furthermore, AI has cons as well, like diminshing human-to-human connection in which

South Korea has prepared multiple bots as alternate to for family member. These BOTS are being used to address lonliness and social isolation. Similarly, AI is being used in deepfakes like the viral video of Mark Zuckerberg speaks frankly about no privacy on facebook. Likewise, AI is spreading everywhere, it has no emotions like humans so it is replacing humans. This leads to Job displacement and unemployment. AI is used to select and engage targets without human intervation like in 2021 during libyan war. It also destroying the human's creativity because everyone is depending on it. Additionally, some measures to mitigate corns include the role of government, awarness and seminars. In a nutshell, AI depends on the user that wheather using positively or negatively.

This essay will explore pors and cons of AI including measures to mitigate cons!

As far as, the pros of AI are concerned in which AI-powered alogorithms analyze medical images such as X-rays, MRIs etc to detect abnormalitites and diseass like cancer. Similarly, the USA has invented "care angel" virtual nurse. Electronic health records are analyzed by AI to check patient's condition, & treatments advice support and reminders. Similarly,

Babylon Health, a digital online first health service in which patient interact through mobile. Lastly, Israel's health tech firms has invented Genetika+ that prescribe medication to patient on their genetic profile.

Similarly, AI is optimizing agriculture sector in which sensors and drones check soil health, crop growth and weather conditions, farmers to make data driven decisions. Moreover, it also helps to know crop yields, detect pests and diseases. Likewise AI assists farmers in modern techniques, such as tractors, crop spraying, and livestock dumping etc. Agri- -culture is a backbone of any every country. AI helps to maintain crop yields so this ultimately helping to ensure global food security.

Likewise, AI is revolutionizing the transport sector by providing safety, efficency etc. Many countries are trying to lauch self driving cars. These self driving cars can enhance road safety, reduce accidents and provide mobility for the elderly and disabled. Furthermore, AI- powered sensors and cameras are also increasing safety in transportation infrastructure, such as airports and seaports. Overall, AI is

transforming the transport sector in which vehicles use machine learning to maximize the sector

Moreover, AI is available every time. Unlike humans, AI system do not require any rest. AI - powered chatbots and virtual assistance are always available to answer the questions. Personal assistance like Siri, Alaxka, and Google, these all are available in affordable price. Moreover, recently Mark Zuckerburg has updated watsapp with Meta-AI in which, now one can access information ~~without~~ easily.

Additionally, AI is providing support to the education sector by helping teachers with tools and resources to enhance their teaching methods and improve student outcomes. Likewise, AI - powered use multiple learning system, adjust curriculum to student's needs and abilities. AI is also helping teachers in grading and feedback tools. There is revolutionizing shift from traditional classrooms to online classrooms in the covid-19. All the education sector totally relay on online teaching and methods. Moreover, lesson planning, student grouping and parent teachings meetings, AI reducing their workload and enabling them to focus on what

they do best in teaching. In the further paragraphs, the cons of AI will be given.

The first and the foremost cons of AI is diminshing human to human connection in which people relay more on AI-powered chatbots and virtual assistants for communication and support, they are spending less time engaging with each other in person. Social media platforms, often focus on online connection over real life. Moreover, AI has also declined in empathy, deep conversation, and meaningful relationships. As a result, it diminshing human conection. People clay on online resoures and this leads to human downfall.

Similarly, AI is significantly increasing the spread of deepfakes and disinformation by fake content. With the help of machine learning algorithms, deepfake technology can change audio, video, and images. It is also creating ambiduity between real and fake. Recently, Pakistani's youtuber Ducky bhai's wife video is viral because of deepfake. One other instance include, deepfake video of Indian's actor Amirkhan and Ranveer singh being viral because they are talking against Modi's Elections. This all mass leads

to lack of trust in AI and media.

Meanwhile, AI is increasingly displacing jobs and unemployment accross every field. AI is displacing jobs in transportation, logistics, and finance as self driving cars, trucks, drones etc. According to the world Economic Forum 2023 "85m Jobs will be displaced by AI across 26 countries by 2025." Moreover, book 21 lessons for 21st century, written by Yuvah Noah Harari explains that AI is likely to impact the job market and distribution of wealth.

Similarly, AI-powered system can also lauching more targeted attacks. AI also hijacking and posing significant threats towards war. Additionally, totally relay on data and connectivety enables to lack of privacy and identity theft. Moreover, AI is particularly using in war like in 2021 Libyan war. This can also breaks the rules of privacy in which countries may face insecurities. Sensitive data and secret news is expolited by malicious actors, larger attack on cybercriminals. In the next paragraphs, the measures to mitigate cons will be given.

First and formost

measure is to give value to human judgements. Everyone is depending on AI without thinking side effects and consequences. Moreover, AI has its own biases and discrimination because of its owner who has installed the data. Its a result, the best is to depend on human's creativity.

Secondly, Meetings and seminars to use AI, awareness is necessary to use positively or negatively. Robert Berry once said that " You will not be replaced by artificial intelligence, you will be replaced by people who know how to use AI" so from this statement it is clearly that use of AI is important.

Thirdly, accountability mechanism from government officals is an important step to control AI's negative use. Urgent measures are needed to be taken for effective policies. Moreover, transparency is highly needed for AI's use.

In a nutshell, Artificial intelligence (AI) has become an essential ingredient of human's life. AI acts as a supreme pillar for development, many writers have written about AI on positive and negative aspects. Moreover, AI has multiple pros and cons depending on the use. AI is optimizing multiple sectors like agriculture, education

transport and technology. On the other hand, cons include human displace-ment, job displacement, security risks and deep fake. Many sectors has been improved and some are still pending. Lastly, AI could deliver an additional output of $13-trillion to the world Economy by 2030, which would boost global GDP by nearly 1.2% a year.

Well attempted