

Date _____

Artificial Intelligence - promises and perils

outline

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3. Historical background - how artificial intelligence emerged ✓
4. Promise Artificial intelligence offers
 - i) Reduction in human error - robotic surgery ✓
 - ii) Fully automated production line even in hazardous environment ✓
 - iii) Accessibility and availability to address customer concerns and enhance profits ✓

iv) New inventions in different fields - less reliance on human beings ✓

v) Medical applications from diagnosis treatment to the analysis of data for researchers ✓

4. Perils associated with Artificial Intelligence

i) Joblessness in the coming future threat to human earnings ✓

ii) Artificial Intelligence systems require significant upfront investment and high maintenance cost ✓

iii) Ethical concerns of Artificial Intelligence systems lead to biased and unethical issues ✓

iv) Vulnerability of Artificial Intelligence to cyber security threats and exploitation ✓

v) Over dependence on Artificial Intelligence pose great risk to humanity at large

5. Initiatives to address the perils posed by Artificial intelligence

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6. Conclusion

Artificial Intelligence - its promise and perils

Essay

Artificial intelligence has become an increasingly important part of the modern world. Artificial intelligence is what is the stimulation of human intelligence onto machines. In this boom of technological revolution, the ~~world~~ is left to wonder if natural intelligence matters anymore. Artificial intelligence is misunderstood and misinterpreted as something powerful and dangerous. However, artificial intelligence has tremendous transformational potential. If harnessed properly it can transform the dynamics of the global world. Artificial intelligence can bring new changes to the society and the way the work is done. It can process vast amounts of data and perform complex tasks, which has led to its use in

numerous areas of ~~the~~ daily life activities such as healthcare, education, finance and transportation. It often offers significant benefits while also brings up a range of ethical, social and economic issues that needs to be addressed. Its ^{negative} implications includes unemployment, cybersecurity issues and potential for misuse. It is essential to consider ethical and social implications and develop policies that ensure its responsible use. By doing so, the benefits of artificial intelligence can be harnessed while its potential risks can be mitigated. It will ultimately create a more equitable, just and sustainable future for all.

sentence structure

write shorter sentences

→ Write thesis statement here. It should go something like this.

"Artificial Intelligence has brought innovation to the present of revolution itself. Like any new discovery it both promises future, but also brings with it numerous fears. Proper regulation and robust mitigation measures can help humanity benefit from it while also curbing the ^{brings} ~~harmful~~ ~~risks~~ ~~of~~ ~~the~~ ~~artificial~~ ~~intelligence~~ ~~poses~~."

This ^{promise} ~~of~~ ~~artificial~~ ~~intelligence~~ ~~poses~~. It will also shed some light upon the practical solutions to address the perils of ~~artificial~~ intelligence.

That is not a Thesis Statement

Artificial intelligence (AI) is a subfield of computer science that focuses on designing and developing intelligent agents. These are the

Systems with the ability to reason, plan and learn. Artificial intelligence can be divided into two broad categories: narrow AI and weak AI. Narrow AI or specific AI is designed to perform specific tasks such as playing chess or analyzing medical images. This type of AI has already been used to transform many industries by automating tedious and repetitive tasks, thus freeing up human resources for more creative endeavours.

→ Write as a one continuous paragraph.

Likewise, General AI is a hypothetical system that could perform any intellectual task that humans can do. Research into this type of artificial intelligence continues in the hopes of realizing its potential to revolutionize lives. In Computer vision, machine learning algorithms can be used to analyze images and videos. This has led to breakthroughs in fields such as facial recognition, object detection and autonomous vehicles.

Birth of artificial intelligence dates back to 1950. Alan Turing published "Computer Machinery and Intelligence" which proposed a test of machine intelligence called "The Turing Test". In 1952, a computer scientist named Arthur Samuel developed a program to play checkers, which is the first to ever learn the game ~~and~~ independently. However, John McCarthy is considered the father of AI. John McCarthy was an American computer scientist. The term artificial intelligence was coined by him. He is one of the founders of artificial intelligence together with Alan Turing.

Artificial intelligence promises considerable economic and social benefits in the fields of medicine, exploration and space research, military, industry and economics. The following paragraphs will shed some light upon the promises artificial intelligence can possess.

To begin with, artificial intelligence possess huge potential to transform mundane tasks. These type of tasks have the capacity to be ~~completed~~ mistakenly done by human error.

sentence structure and expression

Slight human error can transform the results of the tasks. For instance, robotic surgery could offer tremendous potential to erase human error and can do surgery without the involvement of human error. Thus, artificial intelligence promises reduction of human error in tedious tasks.

That is not an example. An example is a fact base in reality, not an assumption made.

Automation and Autonomous machinery are different.

Moreover, fully automated production line in manufacturing facility and even in hazardous environment has the potential to eliminate risks. It would be a risk free job that can transform the entire manufacturing industry. For example, in Japan fully automated production is already working by the use of artificial intelligence. Hence, artificial intelligence has the capacity to ~~erase~~ override human labour involved in manufacturing even in dangerous environment.

where?

word choice is negative & you are elaborating promises.

Furthermore, artificial intelligence can provide assistance to customers by being available 24 hours of the day and 7 days of the week. The advantages involved with the availability of AI tools can increase business profits by addressing the concerns of customers timely. Human beings has the potential to take rest, eat and perform leisure activities. However, AI enabled tools can be accessible for whole day and night. This is how AI promise increased customer satisfaction and thus maximizing profits.

No research
no example
weak reasoning.

Likewise, Artificial Intelligence can promote new inventions. Detection of diseases, cameras and sensors to navigate roads and traffic without human intervention. This would help in revolutionizing the entire world. AI based algorithms can analyze disease and drive cars without human involvement. This would make more reliable outcomes for the entire humanity. So, AI has the potential to transform the entire world by promoting new inventions.

Multiple points in a single paragraph.

Two separate arguments.

Additionally, Artificial intelligence has huge medical applications. From diagnosing treatment, to helping doctors and researchers to analyze data and develop personalized treatment. It will create a world where everything would be click away. Medical treatment would be accurate and error free. This will enhance human ~~org~~ society that would be more reliable and stable. This is how AI would revolutionize medical field.

Redundant. You have discussed medical field revolution in previous paragraph as well.

No research No example.

Having discussed, the ~~impact~~^{promises} of artificial intelligence, it is also important to highlight the perils associated with artificial intelligence. Such as massive joblessness, high cost and maintenance and ethical concerns of AI. The following paragraphs will discuss these in detail.

Artificial intelligence ~~offers~~ perils that can affect the society in general. This includes joblessness at a massive scale. Induction of artificial intelligence enabled automation may lead to the labour intensive jobs. Machines algorithms can perform tasks that ~~if~~ were done by labours

wrong word

sentence structure

sentence structure

?

This can result in unemployment.

As per World Economic Forum report artificial intelligence reduced jobs can replace around 22 million labour intensive jobs in future.

sentence structure

Thus, AI has the potential to ~~provide~~ replace humans in automated jobs.

Moreover, artificial intelligence systems require high cost of implementation and maintenance.

Implementation of AI systems need significant upfront investment in infrastructure, data collected and model development.

Additionally, maintaining and updating AI systems can be costly. Thus, AI systems require high cost and maintenance.

Again lack of research.

Furthermore, it is crucial to prioritize the ethical concerns of AI systems. This ~~issue~~ includes addressing biases, ensuring privacy and data protection and establishing clear regulations and guidelines. Without human involvement AI systems can cause unethical harm. As these algorithms would not understand the values and ethical principles.

This can cause the humanity to lose its ethical values. Thus, checks on AI systems is imperative.

example? research?

lose sp

Additionally, Cyber Security attacks and exploitation make AI systems vulnerable. ~~Malicious~~ actors can manipulate AI algorithms ^{or} use AI-powered tools for nefarious purposes, posing security threats. For example, interference of Russia in US elections in 2016 is an example of Cyber Security attacks. This has eroded trust of the American voters in democracy. This is how AI systems are vulnerable to Cyber Security attacks.

Likewise, blindly relying on AI without proper human oversight or critical evaluation can lead to over dependence on AI. Errors or ~~incorrect~~ decisions, particularly if the AI system encounters unfamiliar or unexpected situations can cause difficulty for humans. Reasoning behind the AI based decisions or predictions is extremely ~~crucial~~ ^{no} for humans to understand and ^{example?} does not follow AI systems blindly.

Now the question arises: Are there any solutions to tackle with the ~~risks~~ ^{risks} posed by artificial intelligence? Yes ^{informal expression} there are a number of solutions such as ethical and responsible AI, continued ^{research and} innovation

human AI collaborations are some solutions which will be discussed in the following paragraphs.

Firstly, it is very important to address the ethical concerns of AI systems. Development and deployment of AI systems that are ethical, transparent and accountable. Algorithms based on ethical considerations could minimize the risks associated with it. Without proper regulation AI systems could exacerbate societal and economic issues. Hence, responsible and ethical AI systems are need of the time.

Incomplete sentence structure

No examples?

Secondly, Continued research and development in AI is very significant to enhance its capacity further. Investments in fundamental research such as developing new algorithms and models can lead to breakthroughs and improved performance. Promotion of data sharing and best accessibility can foster collaboration accelerate progress across different domains. Technology transfer has always helped humanity. So technology transfer to further improve the capacity of AI systems can yield greater benefits for all.

No examples?

Thirdly, AI should be designed to augment human capabilities rather than replacing them entirely. Emphasizing human-AI collaboration can lead to more effective solutions and enhance productivity in various industries. For example, User centered design and interfaces that facilitate seamless interaction with AI systems are important considerations. *This is not an example?*

Fourthly, preparing the workforce for an AI-driven future is crucial. Initiatives focused on AI education and upskilling programs can help individuals acquire the necessary skills to thrive in a changing job market. For instance, encouraging interdisciplinary collaboration and fostering partnerships between academia, industry and government can further support these efforts.

To conclude, AI has all the ability to surpass human intelligence and can perform any particular task much accurately and efficiently. There

is also no denying the fact that AI possesses immense potential which further helps to create a better place to live in. However, anything in excess is not good and nothing can be matched at par with the human brain. Therefore, AI should not be used excessively as too much automation and dependence on machines can create very hazardous environment for the present human mankind and for the next generations.

Conclusion is general.

Not specific to the essay written.

- Work on your language
- Your presentation also needs improvement
- Work on collecting research based relevant material.

	Category	Total marks	Obtained marks
Content	Qualitative analysis	10	2
	Quantitative analysis	10	2
	Validity & Reliability	10	1
	Relevance	10	3
Language	Sentence structure	5	1
	Vocabulary	5	1
	Clarity	5	1
	Command of language	5	1
	Expression	5	1
Structure	Outline	5	1
	Introduction	5	1
	Body paragraphs	5	1
	Conclusion	5	1
Coherence	Cohesion	5	2
	Coherence	10	2
Total			21