

Topic: Artificial Intelligence can be the savior of Human Race.

## Outline

- I. Introductory remarks: Artificial Intelligence can act as life-saving drug for humanity in the days to come.
- II. Thesis Statement: Artificial Intelligence can be the savior of human race by transforming health sector, by revolutionizing transportation system, by introducing new ways of learning and by addressing challenges like climate change and pandemics.
- III. Understanding Artificial Intelligence and its different perspectives.
- IV. Artificial Intelligence as the savior of Human Race.
  1. Transformation of Health sector.
    - A. Robot doctors and early detection of fatal diseases.
    - B. Deep-learning mechanics and the creation of new vaccines and antibodies.

2. Revolutionization of Transportation system:

A. Automated cars and reduced road accidents.

3. Tackling of Climate change:

A. Keeping record of deforestation

B. Tracking carbon emissions.

4. Effective tool in Law-enforcing agencies and Judicial activities:

A. Facial recognition technology and apprehension of criminals.

B. AI and Judicial proceedings

5. Enhanced economic growth:

A. Creation of new jobs, especially in AI field

B. Increased productivity and efficiency.

6. Transformation of Agriculture sector:

A. Increased productivity and reduced global hunger.

V. Artificial Intelligence as Domsday

for Humanity: A Counter view point:

A. Overtaking of human's cognitive skills and decision making powers.

B. Creation of more jobless men across the globe.

C. Automation of weapons

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8 mass destruction.

VI. Recommendation to make AI more beneficial for humanity.

- A. Establishment of AI-organisation like World Trade Organization.
- B. Introduction of global governance.
- C. Proper rules and regulations for AI use in future.
- D. Proper awareness and education of masses.

VII. Concluding remarks: Artificial intelligence is the best hope for the bright future of humanity.

## Essay

On the turn of every century, there comes a technology that revolutionizes the entire world. In the previous century, it was electricity, and in the twenty-first century, it is Artificial Intelligence (AI) that is going to transform the world in a profound way. Although AI is still in its nascent stage, the race to lead the way on this front has

long started among the powerful states such as China, the USA and many other countries. Many prestigious companies like Open AI, China's Baidu AI laboratory and Google are pouring in billions of dollars to win the race. It is just matter of time that AI is going to be indispensable part of humanity. Moreover, AI has the potential as well as capabilities to act as a savior of human race in the decades to come. It can act as catalyst to revolutionize health sector, transform transportation system, and can make meaningful changes in education, judicial and agriculture sector. Like wise, AI can be an effective tool to address the most significant challenge confronting humanity: climate change. Although some experts and think tanks argue that AI is the doomsday for humanity, it can act as a life-saving drug for humanity if pragmatic, concerted steps are taken to regulate it in an effective way.

Before discussing how AI is going to act as savior of human race, lets take a brief view of what artificial intelligence (AI). AI refers to introducing human like thinking-capabilities in computer programmes or robots. John McCarthy, the founding father of AI, says, "AI is the science of making intelligent computers or machines." Moreover, Yuval Noah Harari, says, "AI is not about making intelligent computer, it is about biological revolution". Simply put, AI is going to transform the world beyond recognition in the near future, and it has the potential to act as a life-saving drug for humanity in several ways.

To begin with, AI is going to bring about meaningful reforms in health sector. The most significant change of AI in the health sector is the introduction of robot doctors or smart health-related devices. These robotic doctors can save millions of lives through early-detection of fatal diseases.

like cancer and so on. When <sup>cancer</sup> it is detected early, it can be cured in no time. This is only possible through constant monitoring which can be done through AI-powered devices. Yuvraj Noah Herreri, in his book, "AI Lesson for 21st Century" writes, "AI-based doctors are going to save money as well as lives of millions of people." Thus, AI can be savior of humanity by <sup>curbing and</sup> saving millions of people from fatal diseases.

Another way AI is going to act as savior of humanity by the invention of new vaccines. Deep-learning machines are programmed to consume huge amount of data and can combine genes and DNA in such a way that creation of vaccines is possible. The authors of book "The Age of AI: The future of humanity" writes, "AI-based computers have found new vaccine 'Halcyon' vaccine which was never found or discovered by humans." Thus, AI has the potential to discover new vaccines for various diseases. During <sup>COVID</sup> 2019 / pandemic, AI-based machines make possible the creation of

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It must save and avoid millions of lives. Similarly, transportation system can be revolutionized with the aid of artificial intelligence. Introduction of driverless cars or buses can change the way people perceive transports in these days. Automated, driverless cars or railways or buses are going to take calculated risks through their data analysis and learning. Owing to their precision and right calculation, millions of lives can be saved by reducing the number of car accidents. Yuvraj Noah Herrari says, AI-based cars or other means of transport can save hundred of thousands of lives in the decades to come. Thus, AI can ensure bright future for humanity by transforming transportation through driverless cars.

Like wise, AI can be helpful to tackle the <sup>most</sup> significant challenge <sup>humanity:</sup> confronting climate change. AI-empowered machines can keep the record of deforestation. <sup>countries</sup> Countries like Norway, Denmark are trying to introduce AI-based machines to keep the

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record carbon emission. Once it is estimated and established which company or entity is the big-emitter, it becomes much easier to take actions against them or file a law-suit against them. In this way, AI-empowered computers can be an effective tool for humanity to save lives of billion from climate-induced- catastrophes.

In addition, AI can be effective tool in law-enforcing agencies and judicial activities. In law-enforcing agencies like police can use AI-based technologies to arrest criminals. Facial recognition devices can recognize the face of criminals in any part of the country once it is detected. China is leading the way in facial recognition technology. Furthermore, AI can be an effective tool in judicial proceedings. As AI-based devices has huge potential to store data and analyze that in less time, it can solve some cases-pending in judiciary system. Take the example of ChatGPT. It was used in juvenile case in Punjab. That GPT, answered 16 out of 19 questions asked



by the judges and save the life of a child.

Thus, AI has the potential to ensure bright future for human race by making law enforcing agencies and judicial proceedings more effective.

Adding to that, AI has the potential to increase economic growth at national and international level. AI-powered robots can enhance more productivity and efficiency in every sector. Ian Bremmer in his book "Power of Crisis" writes "AI-based robots do not sleep, need vacation or rest, therefore, they are going to increase the efficiency and productivity of industries manifold." Moreover, AI can create new avenues of job creation in high-cognitive field. When drones were introduced, every body feared that it would create job losses, but it ended up creating more jobs like monitoring and maintenance of drones. Similarly, AI is going to introduce new jobs that are still unknown to humanity.

Last but not the least, AI is going to transform the agriculture sector. Intelligent machines can harvest

the productivity of agriculture manifold. Take the example of Australia. Australia used AI-based machines to monitor soil moisture and other agriculture related activities and has increased its agriculture productivity exponentially. With increased productivity at global level, hunger and poverty of the world can be reduced to a great extent, and it can save millions of human lives.

That said, AI can be doomsday for humanity as it poses serious threats to humanity. The biggest worry in this regard is over-taking of human's cognitive skills and decision making power. If machines are going to make decisions for humanity in the days to come, it is not healthy sign for humanity bright future as machine's decisions would not be based on emotions and other things. The author of Book "The Age of AI" has warned against the dangers of over-taking of decision making power of humanity in the advent of AI.

If that happens, humanity is doomed to fail.

Secondly, AI <sup>is going to</sup> exacerbate joblessness across the world. Take the example of chat GPT. It has threatened the jobs of analysts, writers and programmers. In the days to come, AI-advanced models are going to replace humans with machines & robots in every field. Therefore, creation of joblessness is the major threat to humanity when it comes to AI-advancements.

Lastly, automation of weapons of mass destruction is ill-omen for the future of humanity. Michele Colici writes, "automated weapons are a significant threat to humanity." When AI-based computer programmes are introduced in defence systems, they are going to cause destruction beyond recognition. The author of book "The Next 100 years" writes that AI-based machines or weapons would be known for their precision and exact target setting; therefore, they are capable of much destruction across the globe". Therefore, automation of

weapons of man is a harbinger of  
doomsday of humanity.

Above paragraphs discussed the  
dangers of AI for humanity's future, the  
following paragraphs will cast light on  
recommendation to make AI more efficient  
for humanity.

To begin with, establishment of  
AI-based international organization or  
technological-based organization. As world  
trade organization make policies about  
trade and supply chain. The AI-based  
organization can act as watchdog  
at an international level. Ian Bremmer  
has suggested the creation such organization  
is as to curb <sup>the effects of</sup> disruptive technologies  
at global level. In this way, AI  
can be made more efficient and  
effective for humanity, and it can  
reap positive benefits in next years  
to come.

Another method to make AI-  
more efficient is by introducing global  
governance. In British Board of  
(BBC) special report on the AI, one  
of the experts suggested that global

governance is essential to make AI more efficient and productive. This is only possible when there is a consensus among superpowers as well as other countries the way to do so to have a dialogue at international by using good offices of the UN. Another way is to empower UN to do that for all countries. In this way, global governance can monitor the misuse of AI at global level.

The last but most important step is to introduce rules and regulation. If that did not happens, AI like social media is to be misused in the years to come. The recent meeting of AI-builders in UK has been an encouraging meeting as all of them has agreed to make AI more productive for humanity. Moreover, Elon Musk has urged AI-builders to halt AI building activities for next 6 months. The primary aim was to buy time to provide a blue print for new rules and regulations. This is the best way to make AI more fruitful humanity in

near-future.

In a nut shell, AI is the future of humanity. There is no doubt that AI can be a savior for humanity if it is used and developed properly. AI can be a lifeblood of new technologies and can save billions of lives by transforming health sectors, agriculture, transportation and judicial set-up. Moreover, some experts say that AI is a doomsday for humanity; however, it is not AI that is wrong but how it is used is going to decide the future of humanity in the wake of AI. Yuval Noah Harari, says, "Humans are good at inventing things, but bad at using them". The hope is that the wise minds of world will find a way to make AI beneficial for the future of human race as a savior of it, not destroyer.