Topic:

Artificial Intelligence can be the Savior of human race.

Thesis Statement:

While AI jeopardizes humanity, it can be a savior of human race by solving their complexities of life. Nonetheless, there are some ethical concerns that can be mitigated by taking meticulously devised measures.

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Whatever the eye is seeing cannot be
described by the lips
I am lost in amazement as to
what the world will become!

(Allama Iqbal)

Predicting the monumental changes that
he was seeing in the future, the great
poet and philosopher, Allama Iqbal, wrote
these words in the penultimate verse
of his poem 'Shama aur Shayar'.
included in 'Bang-e-Dara'. And no
doubt, his prophecy has become a
tangible reality, right before one's
eyes in the form of 'artificial
intelligence' that has indeed revolutionized
almost every aspect of human lives.
This boom of technology can be
a savior of human race as it
reshapes the judicial sector, enhances
the crime detection and military
capabilities responsibly and ethically.
Moreover, it also helps humans to
solve complex issues like climate change.
Furthermore, it also creates job
opportunities for them and enhances
the health care sector to maximize
its efficiency. However, it cannot
be the savior of human race as

there are several ethical concerns like compromising the fairness and integrity of the legal processes, rise in discrimination and biases, and social manipulation through AI algorithms. These concerns can be curbed by taking stern preventive measures. Hence, while AI jeopardizes humanity, it can be a saviour of human race by solving their complexities of life. Nonetheless, there are some ethical concerns that can be mitigated by taking meticulously devised measures.

Artificial intelligence (AI) is defined as, any computer or computer - controlled robot that has characteristics similar to the human brain, ~~ability~~ including ability to think critically, make decisions, and increase productivity is known as artifical intelligence. It works on vast amounts of datasets that can be used for predictions and make decisions ~~mad~~ based on patterns. AI has been incorporated in almost everything, ranging from

legal sector, education, healthcare, and job creation to military intelligence, and automation. It has indeed revolutionized every aspect of humans.

Artificial intelligence is the savior of human race due to its multifarious capabilities to solve complex issues of humans responsibly and ethically.

First and foremost, AI is the saviour of human race as it reshapes the legal sector helping legal experts make astute decisions in complex cases fairly and ethically. For example, a bail case in Phalia, District Mandi Bahauddin, where the Judge Muhammad Munir used AI-powered ChatGPT to decide on a pre-arrest case of a juvenile accused. The first Judge asked at least 18 different questions while the software gave accurate answers without any concern. This case highlights that AI can be used in judicial system of Pakistan.

Moreover, due to AI's fairness and accuracy, many developed countries have incorporated it into their legal systems. For example, in the United States, AI is being used to predict re offending. Furthermore, China has also implemented an AI powered judge for legal research and decision-making. Hence, it is for sure that AI is the savior of human race due to its ability to solve complex legal matters with maximum proficiency.

In the same way, AI can be used to enhance the crime detection, thereby, acting as a savior of human race. As detecting crime is a complex problem and requires responsibility and fairness, AI powered tools and machines can be of valuable use here. For instance, the United States police are using different AI algorithms such as "Predpol" and "Dextro" for the prediction and detection of criminal activities. Moreover, Brussels police has installed automated software

called "Smart Monitor" that continuously scans all networks and systems inside and outside police facilities for potential cyber crime activities. This is because of the ethical and responsible use of AI that crimes in theses areas have been reduced to maximum possible extent. Thus, it cannot be called into questions that AI is a savior of the human race due to its ethically made enhancement in the crime detection.

Likewise, ethical and fair use of AI can again be a savior of the human race in military sector. The defense sector is also taking a great part in implementing AI-augmented surveillance systems. Many programs have already in effect and more are on the way. Any country not following this trend is expected to get dominated and stay below the quality of other military forces that use surveillance with AI's help. For example, the location of underwater

mines is one of the crucial areas of object detection in military applications. Another example is an Autonomous Underwater Vehicle (AUV) with dead-reckoning navigation system based on neural networks, called NN-DR. Thus, by solving the humans' complexities the vehicle is perfect for rapidly changing conditions and decisions, thereby, helps the defense sector to find a better and almost accurate decision.

In the same manner, enhancement in the healthcare sector is another area of contribution that regards AI as a savior of human race. As there is a rapid transformation in the pharmaceutical industry, people are shifting to the used of AI to help discover new drugs that would have fewer side effects and would help them cure diseases that they do not know how to cure, including cancer. Moreover, there is an issue of antimicrobial resistance which means that the current drus is no longer in used and it costs

a billion dollars to develop a new drug. Therefore, AI can be of valuable use here as it can analyze massive datasets of existing drugs and biological structures. For instance, the National Institutes of Health (NIH) estimates that AI could reduce the time and cost of drug discovery by upto 50%. In summary, the grave issue of drugs and their detection can be solved by the fair and ethical use of AI. Hence, one cannot raise his eyebrows regarding AI as a savior of human race by helping scientists to discover new drugs.

Also, AI is also a savior of human race in terms of education as it has improved education and e-learning. It has provided online tutoring to solve the problem of costly education in some private sectors. It has tremendously improved education learning outcome. For instance, according to a study by Research and Development (RAND) Corporation,

an American non-profit global policy think tank research institute, AI-powered tutoring can improve student learning by upto 25%. Furthermore, AI has significantly improved E-learning, making it more personalized, engaging, and effective. AI looks at how students learn and what they are good at. Then, it uses this information to make special plans for each student, so they can learn better and understand things easily. For example, according to the United Nations Educational, Scientific and Cultural Organization (UNESCO) Report 2022, AI-powered adaptive learning has increased student's engagement by 25% and improved learning outcomes by 17%. Hence, it is clear that AI is a saviour of human race through it ability to solve the intricate problems of education.

Moreover, AI can be used to solve the issue of unemployment by creating Job opportunities for people who can fix and work with computer. So, there would be more opportunities

for computer experts and professionals. Additionally, AI opens up opportunities for creating fun and useful apps and games, so there are jobs for creative minds. In different areas, AI offers massive job choices. For example, according to the estimates of International Labor Organization (ILO), AI would create up to 21 million new jobs by 2030. Furthermore, it also helps creating industries in AI-related fields. For instance, AI-powered healthcare sector. According to the World Economic Forum estimates, AI would create up to 9 million jobs in the healthcare by 2030. Other industries include enhanced manufacturing in robotics and automation, and energy management. Hence, it is for sure that AI helps human to solve job and unemployment challenges, consequently becoming a savior of human race.

Furthermore, the hurdles in solving the complex climate change issues can be solved by with the help of AI, as it

can filter raw data into useful information. It takes big datasets, which would take too much time for humans to process, and extract information out of it in real-time to guide policy makers. **For instance,** taking satellite imagery and picking out where deforestation is happening, how biodiversity is changing, and where coastal communities are at risk from flooding. Moreover, AI algorithms are being used to design more efficient solar panels that can be used in places where massive industries are dependent on fossil fuels for energy production. Besides, AI is being used to develop new methods for carbon capture and storage (CCS), which can help remove greenhouse gasses from the atmosphere. Hence, the ferocious issue of climate change can be addressed with the help of AI, paving the way for a more sustainable future, and for that reason AI is considered as the saviour of human race.

Lastly, AI can also be used to enhance creativity and efficiency which would ultimately resuts in more prosperous world. As there are. Some problems that requires vast amount of data, So, AI can help in this case. For example, in the business sector, AI algorithms can analyze market trends and consumer behavior, aiding companies in making strategies and offer them with prompt decisions. Moreover, AI technologies can augment human creativity by offering novel insights and suggestions. For instance, a study by the University of California, Berkeley found that AI-powered feedback tools can help students improve their writing skills by upto 15%. Thus, AI can facilitate in problem solving, decision making and creative thinking, ultimately results in as the savior of human race.

However, there are other factors provins that AI cannot be the savior of human race.

Firstly, AI cannot be the savior of human race as it can compromise the fairness and integrity of legal processes by producing biased outcomes. If it is trained on unbiased data. This could result in discriminatory practices and unjust legal proceedings. This is especially concerning where laws and judicial precedents exhibit prejudices against certain population segment such as minorities and women. Moreover, it is crucial in countries, particularly Pakistan, where legal system is still evolving and a biased outcome may further hamper the transparency, accountability, and fairness process. For instance, according to a report by the European Court of Justice in 2023, using an AI algorithms to automate certain aspects of asylum applications in Belgium violated EU law due to concerns about transparency and fairness. Hence, it is proved that AI cannot be the savior of human race due to its potential to undermine the fairness and integrity process.

Secondly, AI cannot be the savior of human race as it can give rise to discrimination and biases. Sometimes, when computer programs make decisions, they can treat people unfairly based on things like race, color, or gender. This is a concern because it goes against the idea of treating everyone equally. If an AI system discriminates against a certain group, it could affect things like job opportunities or how long someone is sentenced in court. For example, COMPAS is a computer program developed by the United States that uses artificial intelligence to guess re-offending. However, studies found it treated Black people unfairly, given giving them harsher punishments even when their chances of re-offending were the same as white people. Hence, one can it cannot be called into questions that AI's datasets could be biased and unfair, leading to rise in discrimination and biases, thereby, cannot be the savior of human race.

Thirdly, AI cannot be the savior of human race as it can pave the way for the creation of autonomous weapon systems, raising Significant ~~concer~~ ethical and security Concerns. As AI technologies advance, there is a growing possibility that intelligent machines could be used to operate weapons independently and make decisions without human intervention. Proponents argue that autonomous weapon systems could enhance military capabilities. However, critics express deep concerns about the consequences of giving lethal decision-making power to machines. Concerns include a lack of accountability and the potential for these machines to violate ethical principles in warefare. For instance, according to a 2020 report of United Nations, 30 countries are known to be developing or using lethal autonomous weapons. These includes drones such as Israel's Harpy drone, the US's Predator drone with Hellfire missiles, and sentry guns. Hence, AI cannot be the savior due to its potential threat to humanity with

the creation of autonomous weapon systems.

Lastly, AI cannot be the savior of human race as it is a threat to society by giving rise to social manipulation through its intricate algorithms. The algorithms behind the AI systems are designed to analyze vast amounts of data for perdictions and decisions based on patterns. However, these algorithms can be manipulated to serve specific interests, leading to social manipulation. For instance, AI algorithms used in social media platforms may prioritize and amplify certain content, influencing public opinions and perceptions. In this regard, in a 2023 report by the world Economic Forum, 17% of respondents believe that AI is being used to manipulate people's behavior through personalized advertising and content. Thus, AI cannot be the savior of human race due to it its complex algorithms, potentially leading to social manipulation.

However, there are some recommendations for AI that can be used to ensure that AI is an effective savior of human race.

Firstly, training of AI models on fair and unbiased data ~~can be~~ is of utmost importance for ensuring ethical and effective AI systems. The quality of data used directly influences the behavior and outcomes of AI models. When models are trained on biased and ~~fair~~ unfair data, they can increase existing societal inequalities. To build fair and unbiased data, *examples?* it is essential to carefully make datasets that represents diverse perspectives. This approach helps prevent the reinforcement of stereotypes and ensures that AI systems are inclusive and equitable.

Secondly, establishing ethical guidelines for the development and use of artificial intelligence is crucial for several compelling reasons.

Firstly, ethical guidelines provide a framework to ensure that AI technologies are developed and utilized responsibly. These guidelines can address issues related to privacy, bias, and transparency. Secondly, ethical considerations in AI development help prevent the reinforcement of existing social biases within algorithms, promoting fairness and equity. Thirdly, establishing clear ethical standards encourages innovation and organizations to prioritize the well-being of users and the broader community.

Last but not least, ongoing monitoring and maintenance of AI tools play a pivotal role in ensuring their effectiveness, reliability, and ethical use. Continuous oversigh is essential to identify and rectify any biases or errors that may arise during the operation of AI systems. Regular udpates and adjustments can enhance the tool's performance and keep it aligned with evolving user needs and

expectations. Moreover, ongoing monitoring helps in addressing security concerns, ensuring data privacy, and complying with ethical standards. By investing in regular maintenance, organizations can extend the lifespan of their AI tools, maximize return on investment, and foster user trust.

In a nutshell, it can be said without an iota of doubt that AI is the savior of human race as it reshapes the judicial sector, enhances the crime detection and healthcare ear sector, and improves education and e-learning mechanism. At the same time, it needs to be realized that AI is not a savior in terms of fairness and biasness; However discrimination and biases, autonomous weapon systems, and social manipulation through AI algorithms serve as an impediment to the effectiveness of AI. These impeding elements, can, however, be dealt with some meticulously devised measures like training AI models on fair and unbiased data, establishing

ethical guidelines for AI development and use, and ongoing monitoring and maintenance of AI tools. It is the need of time to invest more in AI research and development too effectively ensure its fairness. In this way, it will lead to a more enhanced society, nation, and ultimately, the world.

V. good

	Category	Total marks	Obtained marks
Content	Qualitative analysis	10	4
	Quantitative analysis	10	4
	Validity & Reliability	10	4
	Relevance	10	4
Language	Sentence structure	5	3
	Vocabulary	5	3
	Clarity	5	2
	Command of language	5	2
	Expression	5	3
Structure	Outline	5	2
	Introduction	5	3
	Body paragraphs	5	3
	Conclusion	5	2
Coherence	Cohesion	5	3
	Coherence	10	4
	Total		46