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Topic:

AI: A Blessing or Threat

Outline

1- Introduction:

1.1- Hook

1.2- General statement

1.3- Thesis Statement

2- AI as a Blessing:

2.1- Improved Efficiency

2.1.1- More precision and accuracy

2.1.2- Quick Response

2.1.3- Twenty four hours availability

2.1.4- It saves the treasury of time

2.2- It enhances the quality of life

2.2.1- Fast decision making

2.2.2- It does not wear out

2.2.3- Quick access to information and Education

2.2.4- Smart homes and cities

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2.3- Advancements in Healthcare

2.3.1- Medical Diagnosis

2.3.2- Robotic Surgeries

2.3.3- Speeding up drug discoveries

2.3.4- Managing healthcare data

2.4- Progress in Agriculture

2.4.1- Figures out the quality of land

2.4.2- Easy and quick cutting of crops

2.4.3- Improves seeds quality

2.5- Safety and Security

2.5.1 It saves humans from dangerous tasks

2.5.2 cyber security

2.5.3 Threat detection

3- AI as a Threat

3.1- It can be an immortal dictatorship

3.2- It may replace humans in the future

3.3- It is a threat to human Intelligence

3.4- It is a cause of Environmental Pollution

3.5- Over consumption of water and Power

3.6- security and protection concerns

Mention remedial measures for these threats

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4- Conclusions

The Essay:

Human beings have created lots of small and big things which in turn have provided comfort and ease in their life.

Artificial Intelligence is one of them, which has changed the life-style of **humans** man. The term **Artificial Intelligence** was

coined by John McCarthy in 1956. It is a technology that enables computers and machines to simulate human learning, comprehension, problem solving, decision making, executivity and autonomy. It

is a branch of computer science in which the intelligence of a machine is studied. Artificial Intelligence has contributed a lot in human life where

its improved efficiency in terms of precision and accuracy, quick response and twenty four hours availability are worth noting. The other contributions of AI in human life are numerous

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Some of these are : it has improved the quality of life ; fast decision making , easy and quick access to information and education , smart homes and cities , advancements in health-care such as quick medical diagnosis , robotic surgeries , speedy drug discoveries and health care data management . Progress in agriculture and provision of safety and security . All these contributions proves that AI is a blessing for mankind . However , there are also some dark sides and fears associated with Artificial intelligence in which the dilemma of immortal dictatorship , future unemployment of human beings , superseding human's place , environmental pollution and security concerns are always highlighted . These threats and apprehensions convince that Artificial intelligence is a threat to human beings .

~~The first part of this essay should discuss the contributions of AI as a blessing .~~

~~Whereas , the second section would~~

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No need to mention

~~highlight the risks of AI as a threat.~~

Some ~~supp~~ experts like **Mark Zuckerberg**

is supporting its innovations while **Elon**

Musk is against Artificial Intelligence.

It entirely depends on human beings that how they make use of AI.

As there are many bright sides of Artificial Intelligence, improved efficiency is one of them.

It provides more precise and accurate data. Human beings are

fragile creatures who are congested with a lot of errors everywhere.

Artificial intelligence on the other hand, can be sufficient to overcome all these errors and weaknesses of human beings.

Artificial Intelligence works on the advanced and properly installed programmes;

therefore, the chances of error ^{are} negligible by Artificial intelligence.

For instance, the thinking process of human minds can never be stopped, thus **while**

doing their duty, they can be distracted easily and mistakes can occur, howe

ver, AI is **away** from such occurrences.

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Hence, Artificial intelligence is fruitful " to overcome and decrease the errors of human beings.

Moreover, there are many websites where chat boxes are based on Artificial Intelligence. These automated chat boxes respond to the queries in a matter of seconds. Their response in such a quick and accurate manner makes Artificial intelligence a blessing for human beings. Before the invention of Artificial Intelligence, people had to spend hours on internet in order to get the answers of their queries. But these autonomous chat boxes available in different apps like WhatsApp, Facebook and Instagram have made it easy to get answers of queries in just a few seconds.

Furthermore, the blessings of Artificial Intelligence can be available at any hour of the day. Artificial Intelligence never gets tired, feels thirsty and needs food. Humans where can do their

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duties only 8 hours out of 24 hours excluding break time, on the flip side, Artificial Intelligence can be available at the doorstep all the 24 hours of the day. Therefore, such prolonged duty is very important in the departments of Security and intelligence of a country which are always active during the entire day and night. So, Artificial intelligence can perform such tasks into the security services of a country.

Besides 24 hours availability Artificial Intelligence can perform all such tasks more accurately. Artificial Intelligence is error free if the pre-requisite is performed according to the task given where 1 percent chance of error can destruct 99 percent of the entire structure of the task. **The Nuclear collapse of Ukraine is an example of such destruction.**

In the same manner, Artificial Intelligence provides enormous services for human beings through ^{which} they can save the economy of time. As it is said that

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time is money and this money can be saved and used very well in other creative activities with the help of Artificial Intelligence. It helps man in each and every field of life. For example, today he can search the unknown places in the entire world in a few seconds, call anyone worldwide in no time, set alarm for his future important meetings and many more. Therefore, the role of Artificial Intelligence while saving the luxury of time for man is very important.

In addition to improved efficiency of Artificial Intelligence, it also enhances the quality of life. Artificial intelligence helps in fast decision making. There are many places where fast decisions are required in order to enhance the situation, avoid major destruction and protect the future consequences. However, Artificial Intelligence can play a pivotal role in such places. As mentioned earlier in the case of collapse of Ukraine power plant

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if proper and prior actions were taken on time. The destruction of the entire plant might be saved. Thus, Artificial intelligence is very good for taking prompt decisions on such sensitive issues.

Quick access to information and education is another example of blessings of Artificial Intelligence.

In this contemporary world one does not need to rely on newspapers for day-to-day updates and information. Artificial Intelligence provides all the important updates and information in a matter of seconds. There

was a time when man had to spend hours in searching on internet for any specific information and knowledge about a particular topic.

But now one can use these automated chat boxes in any of the social media app which is installed in his phone.

So, Artificial intelligence has made the access to knowledge and education very quick and

same likely. The rise of smart devices powered by Artificial Intelligence is rapidly transforming cities and homes, making them smarter, efficient and even a little bit futuristic. Smart cities use sensors and AI to optimize traffic flow, reducing congestion and emissions, monitor air quality, improve waste management and resource efficiency, enhance public safety through intelligent surveillance and crime prevention. Moreover, AI has increased the comfort of humans by providing them smart homes where lights adjust automatically based on the time of day and of their presence, appliances work together to optimize energy consumption, and security systems anticipate and prevent potential threats. Keeping in view all these inventions it would not

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be wrong to say that Artificial Intelligence is a blessing.

Here comes the outstanding advancements of Artificial Intelligence in the field of medicine. Diagnosis of many diseases has become easy and quick.

Many diseases can be figured out before they get detected and and become inevitable.

Artificial Intelligence can predict the breast cancer in advance

because of which many women are dying every day worldwide. Similarly,

the most dangerous disease like heart attack can be diagnosed and cured

utilizing modern technologies with the support of Artificial Intelligence.

In 21st century, a robot by using Artificial Intelligence has successfully

operated human operations of major organs. Hospitals use Artificial Intelligence

and robots to help with minimally invasive procedures to open heart surgery.

Robot assisted surgeries have led to fewer surgery related complications, less pain and a quicker recovery

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Time ✓ Thus, Artificial Intelligence provides such amazing services in the field of medicine that it has become a blessing for mankind.

Artificial Intelligence is also speeding up the discovery of drugs. The drug development industry is bogged down by skyrocketing development costs and research that takes thousands of human hours. An estimated average cost of clinical trials of each drug is 1.3 billion dollars, and only 10 percent of those drugs are successfully brought to market. But the advancements of Artificial Intelligence are speeding up this process by helping drug designers design drugs, predicting any side effects and identifying ideal candidates for clinical trials.

Apart from this Artificial Intelligence has made it easy for hospitals and clinics to keep the health-care data safe and secure. AI can store and handle massive volumes of data. Artificial Intelligence can provide the required data within

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minutes. This can reduce the time and costs of healthcare administrative processes, contributing to more efficient daily operations and patient experiences. Thus the contributions of Artificial Intelligence in the field of medicine cannot be overlooked.

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Aside from the medical field, the role of Artificial Intelligence in agriculture is even more prominent.

Today, Artificial Intelligence can be used to figure out which land is better for production and cultivation and it is used to find the salinity of the soil into the field. As the cultivation of certain crops requires

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optimum pH of the soil. Artificial Intelligence helps to assess the acidic and basic nature of the soil.

In this way pre-assessment with the help of Artificial intelligence ^{prevent} losses and decline in the production of crops can be reduced.

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Furthermore, Artificial Intelligence has made the cutting and collection of huge volumes of crops easy and time saving. A huge place of crops can be cut and collected in a matter of hours by using heavy machinery with the help of Artificial Intelligence.

Similarly, various seeds are sown while using Artificial Intelligence for the better production of the outcomes.

In short, Biotechnology while using Artificial Intelligence has contributed a lot into the services of mankind, therefore, its role in the field of agriculture is equally important for better production and the result of the crops.

Similarly, Artificial Intelligence provides security and safety to mankind. Human beings face many challenges in daily life routines where some of them can even take the life of human. Artificial Intelligence can perform all those jobs that are dangerous and harmful for humans such as defusing a bomb

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uplifting a hefty steel roof and performing duties during the earthquakes and fire emergency of burning buildings.

Thus, Artificial Intelligence can put into use instead of humans into the services of humanity. It is predicted that Artificial Intelligence can perform tasks if they devices are programmed well even better than that of human beings.

Last but not the least, the ability of Artificial intelligence to detect the threat beforehand cannot be ignored. Artificial Intelligence powered cyber security can monitor, analyze, detect and respond to cyber security threats in real time. In the 21st

century cyber security threat has become a growing issue. This non-conventional method of war has been used by various countries against their enemy country. For instance, in September 2023, Iranian hackers launched a cyberattack against Israel's railroad network. Brazilian and

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UAE companies were also reportedly targeted in the same attack. If Artificial Intelligence is programmed well one can save one's country and assets from such attacks. Hence in this modern world of technology where everything has been digitalized and mechanized cyber security has become a need of the hour. So Artificial Intelligence can be proved as a blessing in this regard.

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As each picture has two sides, therefore, artificial intelligence has also some dark sides. According to **Elon Musk**, Artificial Intelligence can be an immortal dictatorship which will erode all the conveniences of human beings and will destroy them in no time.

Artificial Intelligence if goes out of control of human beings, it might enslave human beings - its masters and will sooner kill them. Therefore, many scientists like **Stephen Hawking**,

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was also against it who was also using its services to deliver his message. According to him such things are irreversible and can have the capability to rule the world if once gets beyond the control of its own masters i.e. human beings.

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On the other hand many people believe that Artificial Intelligence will take the seats of humans in the future and the world will observe a huge deficiency in the market of employment. As Artificial Intelligence can do work promptly, accurately and conveniently, therefore, employers will feel no need of human jobs. Their job vacancies, thus, the world will be confronted by huge unemployment. Therefore, people are very concerned about their jobs paralleled with the emergence of Artificial Intelligence.

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Furthermore, Artificial Intelligence is considered as a threat to human potential. As with the advancement in technology people have become

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over dependent on it. Education has always remained an important element for human beings. Designing education curriculum is a complex task but now-a-days Artificial Intelligence has taken the place of human brain and intelligence for designing the curriculum. Governments across the globe are designing syllabus with the help of AI. For instance, Khan academy a non-profitable American educational organization has successfully introduced AI tutors. This is a live example of replacement of humans with machines. Additionally, accuracy of syllabus are making people over-reliant on AI and posing a threat to human intelligence. In the similar manner, Artificial intelligence is a threat to Environment as well. It has become one of the causes of pollution. It increases carbon foot prints which ultimately results in climate change. Some researchers estimate that carbon foot

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prints of an AI prompt is 4-5 times more than a search engine query. In addition, in a recently published report, Google reported a 13 percent increase in its emissions foot prints in 2023, compared with the previous years. Such adverse impacts on environment direct one's attention from the blessings of AI to the threats, it is posing to mankind. Over consumption of water and power in AI empowered processes and devices is a cause of concern for humans. Data centers, which are crucial for powering AI, already account for about 1% - 5% of global electricity use. The rapid growth of AI will significantly increase the consumption of resources which would ultimately impact humans. A recent report by London based International Electrotechnical Commission, states that according to a recent study by 2027, the AI industry could be using up as

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much energy and resources in a country the size of the Netherlands. Last but not the least the greatest threat to mankind is that Artificial Intelligence can fall into the hands of terrorists and enemies. So, with the increase in developments of AI, security and protection concerns are also increasing. Artificial Intelligence is like a fire, it can be used to heat one's home, cook one's food but it has also the capability to burn one's home. Therefore, if Artificial Intelligence, falls into the hands of one's enemy it will destroy him. Hence, security and protection of such technologies are the major concerns of the world today.

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To sum up, Artificial Intelligence is the greatest blessing in the contemporary world. As its improved efficiency has made humans to get accurate and precise information, it's quick

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response and 24 hours availability saves the treasury of time, AI empowered homes and cities have improved the quality of life, advancements in healthcare such as early diagnosis, robotic surgeries and speedy drug discoveries has made human life convenient. Moreover, progress in the field of agriculture and protection from the potential threats are convincing human beings that Artificial Intelligence is a blessing. But the threats AI is posing to human beings such as unemployment, decrease in the use of human intelligence, environmental pollution and security concerns are overshadowing the blessings of Artificial Intelligence. Therefore, it is high time to recognize the blessings and threats of this next adventure of the world. It is like a double edged knife which can cut fruit for him, but if used wrongly it can cut him apart too. Thus, awareness about

this high and sensitive technology is
mandatory for the people of the time.

It has myriads of benefits if it is
used properly and consciously, so, it
can do wonders but it is upto man.

The references should be more solid
and research based