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Essay :- Is Artificial intelligence a threat to humanity or it is a blessing.

Outline :-

1. Introduction.

Thesis statement: Artificial intelligence is a powerful technology and it is a blessing for humanity - Although, it have some negative effects but these can be overwhelmed by the proper positive use of Artificial intelligence

2. Overview of the topic:

3. How it is a blessing for humanity.

- a) Artificial intelligence can improve productivity ⁱⁿ ^{agriculture} by automating tasks and optimizing process.
- b) Artificial intelligence can help policy makers to make effective policies for climate change.

- c) Artificial Intelligence can help in medical field by proper diagnosis and treatment.
- d) Artificial Intelligence can help researchers and innovators for new discoveries and hypothesis.
- e) Artificial intelligence can help effectively in education field.
- f) Artificial intelligence can help artists and entertainers in creating creativity.
- g) Artificial intelligence can help people with various disabilities.
- h) Artificial intelligence can help people in personal development.
- i) Artificial intelligence can help in defence of countries.
4. Some of the risks and concerns for humanity due to Artificial intelligence:

a)

b)

c)

d)

e)

5.

a)

- a) It can cause displacement of human workers and can cause unemployment.
- b) Artificial intelligence can manipulate information and influence public opinion by fake propagandas about politicians, activists.
- c) Artificial intelligence can violate privacy and security by collecting personal data.
- d) Artificial intelligence can amplify biasness and discrimination in ~~judicial~~ judicial process if used improperly.
- e) Artificial intelligence can cause physical & psychological damage by making errors, failures and accidents.

5. Artificial intelligence is a still a big blessing if it can be used responsibly in such ways:

- a) By establishing a global AI governance framework that will sets common standards.

- b) By Strengthening the research and innovation on AI, especially on ethical, social and legal aspects.
- c) By enhancing the education and awareness of public and policymakers on its benefits and risks.
- d) Many international steps have already taken for its regulation.
- e) By promoting the participation and representation of diverse groups in AI ecosystem.

6. Conclusion.

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“
	The real problem is	
	not whether machines	
	think but whether	
	men do. ”	

B. F Skinner.

B. F Skinner clarified this thing beautifully that the

real problem is not with technology but the real problem is that how men use it. If he uses it responsibly then there is no other such blessing like technology but if he uses it irresponsibly then it can cause huge harms to humanity. Like wise, the essay topic demands that As Artificial intelligence a threat or a blessing to humanity. Then, the clear stance on this topic is that certainly it is a big blessing for humanity. Because it have many positive aspects such as it can be used in agriculture for improving productivity, It can be used positively in making effective policies

for climate change. It can help in medical field as well as in scientific researches, It can also be helpful in education field as well as in entertaining industry. It can fairly cause positive personal growth of the people, not only people but the defence of country can also be made strong by using artificial intelligence properly. Although, it has some side effects. Because advancement of AI can cause unemployment. It is the opposite view that it can manipulate information and can cause propagandas by making fake videos. It can also cause biasness in judicial process if not used properly and can cause

physical and ~~ps~~ psychological damage by making errors, failures and accidents. But, all these risks can be reduced if it will be used properly by proper regulation. So, Artificial intelligence is a powerful technology and a blessing for humanity. Although, it have some negative effects but these can be overwhelmed by the proper positive use of Artificial intelligence.

When the term Artificial intelligence is being discussed then it is necessary to know about this thing that AI is not a new term - This technology is actually much older as a person could imagine

because the first work on Artificial Intelligence was done in 1943 when Warren McCulloch and Walter Pitts proposed a model of Artificial neurons. Then with respect to time, this technology started to reach its peak. In 1955, first "AI program" was being established named as "Logic theorist". This program has proved 38 mathematical theorems out of 52. Then from 1956 to 1974 these years were the golden years for Artificial intelligence boom. Although, many ups and downs occurred in the history of Artificial intelligence. 1980-1987 were the rising years of AI.

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bust in 1987-1993. AI
winter started when
investors and government
stopped in funding for
AI research. This rise
and fall process continued
and many discoveries occurred
through artificial intelligence
in history. Likewise many
companies like Facebook,
Twitter and Netflix also
started using AI for
their advertisement and
deep learning. But with
respect to time AI
has reached at the
peak of its advance-
ment and it created
fear among the public
like in present time
Elon Musk also gave
multiple statements
regarding its drawbacks
and concerns. So, it
is not new but the

question regarding it
 that either it is
 a blessing or curse
 arised when it reached
 its peak and it
 started acting like human
 beings. Many robots
 created fear among the
 human being like a
 humanoid robot Sophia
 created fear among
 people when she said
 that Robots ^{can} as well as human being
 control ^{universe} in ^{future}
 instead of all these perspectives
 ↑ It has still many advantages
 which can proved
 itself as a blessing. Some
 of its advantages
 are following.

Artificial intelligence can
 improve productivity in
 agriculture by automating
 tasks and optimizing
 process. It can help
 farmers in increasing

crop yields and quality by checking nutrient deficiencies and by controlling pests. For example, A ^{German} company named Plantix used AI to analyze images of crops and it provided real time information on pests, disease and nutrient deficiencies and make them able to control pests and ultimately ^{due to} this their crop yield increased. Moreover another international report was published by Global News wire that clearly showed this thing that within next few years artificial intelligence use in agriculture market will increase and it will reach \$9.9bn by 2030 at a CAGR of 24.1%. This report

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also short-listed thing
 that AI can use in
 automation in agriculture
 by optimizing crop planting
 and farmer practices.

[Global Artificial Intelligence
 in Agriculture Market Report
 2023 by Research and Markets]

So, it is clearly shown
 that the use of AI
 in agricultural sector is
 such a blessing for
 humanity.

Additionally, not only in
 agriculture but it is also
 a blessing and advantage
 in effective policy making
 for climate change. Countries
 can use this technology
 to compare different
 effective policy options for
 maintaining climate change.

For - example: A UK
 based company Policy
 Priority Inference uses

AI to compare different policy options to reduce climate change and it ^{basically} ranks those policy options with respect to their expected impact and cost. So, with it's positive use, countries can use it to make their climate change policy.

Not only in climate change policies but AI technology can be also used effectively in medical field. AI can help doctors and patients in diagnose and treat various diseases. For - example In United Kingdom an AI system called DeepMind Health can analyze eye scans and detect signs of diabetic retinopathy, glaucoma, and macular degeneration. An American

medical technology company
IBM Watson health
also uses AI technology
in diagnosis of rare
diseases and genomic
diseases, And in California
Woebot Health services
uses AI technology
to provide cognitive
behavioural therapy for
mental health issues.

So, there is a clear
fact that if Artificial
intelligence ~~use~~ use positively
then it will ^{create} many more
positive effects in medical
field and will be beneficial
for doctors as well as
for patients.

Then, its next advantage
and the proof of AI
being a blessing is that
it can help researchers
and innovators for
new discoveries and

hypothesis in scientific field - It can help researchers in generating new ideas and in testing new hypothesis.

For examples, an AI system in UK named Alpha Fold can predict the three-dimensional structure of proteins, which is essential for understanding their functions and developing new drugs.

So, its positive use in research field is such a blessing for researchers and innovators.

Next advantage is also really important and this one can prove it the main blessing because it is in educational field.

AI is really helpful in educational field.

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With the help of AI students can learn more effectively as well as teachers can teach more effectively. It minimizes burden on both. For example, in USA, there is an AI platform Knewton which usually provides personalized and adaptive criteria, feedback and tutoring for students and teachers. And another report on positive effect of AI was published by open Access news in UK. And this report mentioned that in UK, teachers are facing ^{stress due to} unmanageable ~~stress~~ ^{excess} workload. But it seems that Generative AI, like Chat - GPT could potentially ease the burden on teachers by providing personalized

feedback, assisting with lesson plan and by analyzing student data.

[Can chatgpt and other generative AI ease the work load on teachers in Mar-2023 by open access news).

And according to Research and Markets Institute, the global AI in education market size is expected to grow from \$2.5bn in 2022 to \$12.7 by 2027, at a CAGR of 38.8%. - So, there is a clear evidence that it is really beneficial and a blessing in educational field.

Another amazing aspect of its advantage is that it can be beneficial in creating creativity. Because, it can help artists and entertainers.

in creating content.
It's very beautiful
example is example
of Luxembourg. An
AI system in Luxem-
bourg named AIVA -
It can compose
original music in various
styles and genres. And
DALL-E which can
create images from text
descriptions and GPT-3
which can generate
natural language text on
any topic. So, it is
clear that it can
create content and helps
creators in creativity.

Another very beneficial
aspect of Artificial
intelligence is that
it can help people
with various disabilities.
It can help them
by using various

services and tools. For example, an AI app called Seeing AI can help the visually impaired by narrating the world around them.

So, in this way it can help disabled people in various perspectives by using its tools.

Another, very interesting aspect of AI is that it can help individuals and communities in personal growth. It can improve their well-being and their happiness.

Like wise an AI app called Woebot can help people cope with depression and anxiety by providing cognitive behavioral therapy. So it can help in

ance even
stronger

personal growth and
making communities as depre-
ssion free communities

Not only in personal
growth, but it can
also be helpful at
state level by helping
states in making strong defence
strategies - AI can help
in improving state's
safety by effective
military operation through
its various tools. Its

very good example is
example of **US DOD**
(**US department of defence**)

that has used Artificial
technology in its defence
system - Their AI system
helped them in analyzing
drone footage and identify-
ing object of interest.

DOD has also invested
in AI system such as
"MEDIC" which used

AI to treat and diagnose battlefield injuries. It also helped and enhanced their cooperation with their allies - Another example is of NATO, NATO has launched an initiative called NATO 2030 ^(Making a strong alliance even stronger) which aims to leverage AI and other emerging technologies to strengthen the alliance collective defence. So, it is very clear that artificial intelligence can help states in making their defence strong. These are all about its positive aspects that proves itself as a blessing.

However, there are some concerns of critics about artificial intelligence. They perceive it as

threat by highlighting
various dimensions of
its negative side.

The very strong
concern of critics is
about job displace-
ment due to AI
automation. According to

a report by PwC
in UK "Up to 30%
of the jobs in the
UK are at potential
risk due to automation

by the mid of 2030s.
And this could cause
poverty and unrest
situation. And Oxford

Economics also estimated
that up to 20 million
manufacturing jobs could
be lost due to
robots by 2030. So

in this way, they
perceive it as a risk.

Another concern is

about creating propagandas in public by fake videos of politician and activists. For example in 2023, a deepfake video of former US President Barack Obama appeared on Youtube in which he appeared to endorse a fictional candidate for the 2024 presidential election. So in this way, it can create propagandas by making fake videos. Another concern of critics is that AI can violate privacy and security by analyzing personal data and enabling surveillance and hacking. For example in 2023 a massive data breach exposed the personal information of over 100

million facebook user including their name, phone numbers and location

And according to CNBC (American news channel) in 2023 Samsung bans

use of A.I like ChatGPT for employees after misuse of chatbot.

So, this ~~can~~ perspective according to critics can cause threat to humanity.

Another concern is that it can cause biasness and discrimination if it will be used in judicial system and other detection systems.

For-example In 2023, an AI system used by a US court to assess the risk of defendants was found to be biased against

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black people and In
2023 a report by
Algorithmic Justice League
revealed that facial
recognition system from IBM,
Microsoft and Amazon had
higher error rates for darker
skinned persons than lighter
ones.

And another concern
is about physical and
psychological damage due
to AI errors, failures
and accidents. In 2023
a self driving car
from Uber killed a
pedestrian in Arizona
after failing to detect
her in time and over-
riding the human's driver
attempt to brake. So
in this way, it can
cause threat to
humanity.
But instead of all

such threats Artificial intelligence is still a big blessing if it can be used responsibly in such ways: Artificial intelligence is such a big blessing if a global AI governance framework will be established. That will ~~set~~^{sets} common standards, norms and best practices for the development and deployment of AI. and it will foster cooperation and coordination among different countries and regions.

The next solution is by strengthening the research and innovation on AI especially on the ethical, social and legal aspects of

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The next step is to be taken by enhancing the education and awareness of the public and policy makers on the benefits and risks of AI and providing them with the skills and tools to use and oversee AI system effectively and responsibly.

Although many international steps have already been taken for the regulation of AI to make it as a blessing for humanity not a threat such as United Nations has established several initiatives and platform to promote the responsible use of AI such as UN Secretary -

Generals' Roadmap for Digital Cooperation" and the "UN Interagency Working Group on AI". The Organisation for Economic Cooperation and Development (OECD) has adopted OECD Principles on Artificial Intelligence which provide a set of values-based and human-centric principles for trustworthy use of AI.

The last step is by promoting the participation and representation of marginalized groups in the AI ecosystem - In this perspective regional organizations should cooperate e.g. "EU has adopted Ethics Guidelines for Trustworthy AI".

So, conclusively it has been cleared that no ^{doubt} Artificial intelligence is a great powerful technology and it is like a blessing for humanity because it can help human beings in various perspectives. Still there are some concerns about it but these can easily be overwhelmed by its responsive use and by the responsive regulatory step taken at national and international level which [↑] can easily dominate its negative minor aspects.