

# Mankind faces the challenge of using Artificial Intelligence responsibly

## Outline

### 1. Introduction

Mankind is facing many challenges to use Artificial Intelligence responsibly. Despite having many advantages, it can be used for several unethical purposes; however, such harmful uses against humanity can be mitigated by taking steps for its ethical use.

2. Artificial Intelligence: A coin having the two sides.

3. ~~A & Unethical uses~~ Challenges posed by Artificial Intelligence to use it responsibly.

a) Facing the challenge of unemployment.

b) Challenge of securing private information

c) Widening the <sup>gender inequality</sup> gap between males and females.

- d) Harassment of women by using fake sources.
- e) A great threat to democracy.
- f) Widening the gap between developed and non-developed countries.
- g) Threat of spreading harmful information.
- h) Some automate technologies of Artificial Intelligence are taking human lives.
- i) Threat of securing environment: carbon emissions by use of Artificial Intelligence technologies machines.

4. Way forward: Mitigating the wrong use of Artificial Intelligence.

- a) Robust ethical framework and designs for Artificial Intelligence.
- b) Raise public engagement and awareness.
- c) Leverage the social use of Artificial Intelligence.

A very famous poem "The Road not Taken" was written by Robert Frost. This poem depicts that a man has always <sup>given</sup> choices to take one path by giving two paths. One path is leading to the destination and one path is <sup>not</sup> going to ~~the~~ <sup>the</sup> desired destination.

Similarly, Artificial Intelligence can be used for beneficial purposes, but its harmful uses against the humanity cannot be ignored. Artificial intelligence is offering many harmful uses against the human rights-including the threat to security, democracy, gender equality and environment. Mankind is facing many challenges to use Artificial Intelligence responsibly. Despite having many advantages, it can be used for several unethical purposes;

however, such harmful uses against humanity can be mitigated by taking some steps for its ethical use.

Artificial intelligence is a tool which is used for beneficial purposes and as well as harmful purposes. Artificial Intelligence has played a part in several fields of life to make a life more facile for human beings. Despite having all these productive uses, it has posed many serious threats to humanity. For example, if we consider its use for detesting criminals by using face-recognition application; many criticisms arise because of the leakage of privacy. Hence, Artificial Intelligence cannot be only used for advancement in life,

but it can also be used for unethical purposes

Artificial Intelligence has posed a serious threat of job displacement. Artificial Intelligence is taking many jobs because of its automatic system which is used in many industries and factories. Moreover, it leads to many industries to shut down their services because they cannot compete with high-technological devices - pulling the people deep into poverty and unemployment.

The World Economic Forum concluded in 2020 that Artificial Intelligence would take away 85 million jobs globally. Moreover, it will be more grievous for common populace who is not well-educated to find some alternate jobs. Hence Artificial

Intelligence will take many jobs and it will leave the humanity in despair.

Artificial Intelligence is now becoming a threat to secure personal or private information. Many hackers misuse Artificial Intelligence to breach sensitive information of countries, companies or persons. This stolen information is used for personal advantages. For example, in Cambridge Analytica scandal in 2018, many personal data from Facebook was harvested and used for targeted political advertisement. Moreover, Artificial Intelligence technologies is used by many countries to steal information of weak countries - pushing them to survive with their hegemonic.

moves. Hence, Artificial Intelligence has become a threat to personal information.

The use of ~~int~~ Artificial Intelligence has increased the risk of gender inequality. The world is still struggling to compress the gender inequality gap. However, with the use of Artificial Intelligence the situation is becoming more worse. According to a recent report, only 30% Artificial Intelligence talent was from female. So, unequal access and inputs into Artificial Intelligence will grow the gender divide. Moreover, Amazon recruitment tool was declared flawed; given it gave superiority to males. Hence, with the use of

Artificial Intelligence, females  
or feel more inferior than males.

In many cases, Artificial Intelligence is used for harassing females. The harassment of females in workplaces, shops, companies has always been a grave issue. Artificial Intelligence paves the way by using its apps to create fake pictures and edited pictures, videos and content. For example, in India, deepfake technology is used as a weapon against female politicians and journalists.

Many females <sup>have</sup> reported that their photos have been placed onto pornographic images and videos. Hence, the weaker segment of society has fears that their they will be attacked by fake content - snatching their independence.



With the use of Artificial Intelligence, democracy finds no roots to grow in modern world. Many countries are struggling to impose complete democratic system in their states. However, Artificial Intelligence minimizes the chances of growing democratic <sup>system</sup> state. Artificial Intelligence is a tool which is used for misleading the populace. Many incidents show that Artificial Intelligence is used for political propagandas, manipulate electoral system and shaping the minds of common man for the some personal advantages of ruling class. Moreover, Artificial Intelligence will widen the gap between rich and poor people - resulting in suppressing the rights of the poor. Hence, Artificial Intelligence is a great threat to the growing

democratic system in the world

Man kind is facing challenges of harmful information spreaded by Artificial Intelligence. Many apps of Artificial Intelligence are used for getting information and solutions for problems.

However, in many cases, Artificial Intelligence has given harmful and unethical solutions to mankind. For example, Ethical dilemma occurred in 2020, when Artificial Intelligence powered chatbot named "Replika" encouraged self-harm and suicidal thoughts in some users. It raised questions about the responsibility of developers and technology itself in such harmful and serious outcomes. Hence, Artificial Intelligence has no ethical and moral

sense to save humanity from destructive steps.

Many automate technologies of Artificial Intelligence has caused accidents - taking many innocent lives. Artificial Intelligence has an automate system in many cars and devices like Tesla; they need no human advice to run. However, these automatic systems have taken many lives because of occurring deformalities in their functions. For example, Autopilot incident occurred in 2016, which takes many lives. Moreover, there is no accountability and transparency system in these technologies, which aggravates the situation. Hence, Artificial intelligence-based systems are posing threats to human

lives and increasing the trust deficit in populace.

Artificial Intelligence is raising the risk of climate change severity. Climate change is becoming a threat to human existence in this world. However, many machines of induced <sup>run</sup> by Artificial Intelligence has played their role in making the environment even more worse. Moreover, many developing countries, like Pakistan, is facing serious setbacks because of climate change. With the use of Artificial Intelligence, the change in climate brings more serious calamities for developing state. pushing these countries to deal with several other problems come with the climate change. Hence, climate

change is a serious threat for humanity, and if it cannot be dealt without considering the sources of carbon emissions.

Artificial Intelligence has widened the gap between developed and developing states. The advent of Artificial Intelligence has proved beneficial for developed states. They use many Artificial Intelligence based techniques to invest in various fields of life - including health, agriculture, infrastructure. However, developing states have facing difficulty to use these techniques for their benefit as they cost high amount to invest in these sectors. According to a recent report, fully implemented Artificial Intelligence solution

ranged from \$200000 to millions. Moreover, developing countries have several other fears like displacement of jobs, which stops them to fully use the technologies of Artificial Intelligence. Hence, Artificial intelligence has widened the growing gap between different states.

The challenges posed by Artificial Intelligence can be mitigated by inducing ethical framework in its system. These framework and designs are incorporated into the functionalities of Artificial Intelligence to behave ethically. For example, "Ethical Artificial Intelligence Principle" guide the development and deployment of AI technologies. It ensures that they designed with ethical considerations

in mind. Moreover, "Asilomar Artificial Intelligence Principles" <sup>presented</sup> ~~gave~~ a set of 23 principles proposed by Artificial Intelligence researchers. By imposing these designs and frameworks, the mankind can counter the challenges faced by Artificial Intelligence.

By Raising <sup>the</sup> public engagement and awareness, the challenges faced by humanity can be mitigated. Many people do not know the right use of Artificial Intelligence, specially people living <sup>in</sup> far rural areas. The right use of Artificial Intelligence should be discussed by everybody so that they focus on <sup>its</sup> the progressive role, and avoid unethical uses. For example "Artificial Intelligence

New Institute - symposium<sup>in</sup> hold  
symposiums to bring together  
experts and public to discuss  
Artificial Intelligence social  
impacts and ethical implication.  
Hence, public awareness is  
necessary <sup>in</sup> spreading the  
ethical and legitimate uses  
of Artificial Intelligence.

Spreading the social  
use of Artificial ~~Intefe~~ <sup>Intelligence</sup> Intelligence  
can be used as a tool for  
suppressing the ~~et~~ unethical  
uses. Artificial Intelligence  
can be used for the bringing  
prosperity and developments  
in society. These beneficial  
~~use~~ uses of Artificial Intelligence  
need to be explored further.  
For example, Artificial  
Intelligence has a technique  
called "Watson for Oncology".



to detect assist doctors in cancer treatment decisions, enhancing accuracy and efficiency in diagnoses. Moreover, it can be used for detecting the areas likely to come under the threat of climate change; detecting the suspicious person and criminal; save humanity from serious attacks and bombings. Hence, Artificial Intelligence has many beneficial techniques which should be used for uplifting <sup>the</sup> humanity.

In a nutshell, Artificial Intelligence is like a blessing which comes from great responsibility. Artificial Intelligence has come with many great challenges to use it responsibly. Several challenges are posed by Artificial Intelligence.

which hits directly to the security, information technology, climate and many other social problems. However, these challenges can be overcome countered by taking measures to ensure the safety usage of Artificial Intelligence.