

# Role of Artificial Intelligence in Governance: Opportunities and ethical dilemmas.

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Introduction:

Thesis Statement; Indubitably, Artificial Intelligence <sup>as</sup> expounds numerous opportunities <sup>in governance</sup>, which the world <sup>directly</sup> needs. However, it serves limitless ethical dilemmas too. Therefore, various corrective measures are also needed.

2. Correlation of opportunities and ethical dilemmas of Artificial Intelligence.

3. Evolution of Artificial Intelligence.

4. ~~What are~~ ~~the~~ possible opportunities of Artificial Intelligence in governance:

a. It ensures accountability.  
HLEG Report; works as meta-principle.

b. It brings forth transparency.  
GenAI; Algorithmic, interaction and Social Transparency.

c. It works on the principle of autonomous decision-making.  
Harvard Business Review.

d. Proposes measures for Clean energy or renewable energy:  
Reuters: can cut upto 30% energy expenses.

e. Artificial Intelligence is used for environmental friendly initiatives:  
Muna Khan; presentation of possible climate change measures.

f. It can guarantee food security.  
WTO: about increased agricultural yield.

4. Ethical dilemmas linked with the use of Artificial Intelligence in governance.

a. It manipulates content or generative deceptive contents.  
e.g. Disinformation

b. Presentation of fake videos.  
About 45% are made through Deepfake lab.

c. Practices bias outcomes.  
(work on data if that is false/lotus then information will be biased)

~~As Conclusion~~

d. Artificial intelligence disrupts employment  
↳ Automation initiatives

e. Public exhibition of privacy and data.

unwarranted surveillance.

f. Describes the proliferation of lethal autonomous weapons.

killer robots.

5 way forward:

a. Inclusive provision to cope up the disadvantages of A.I.;  
(Bletchley summit).

b. State control national measures;  
(China).

c. Free social media awareness modules.

b. Conclusion.

According to Yuhua Noah Harari, "21st Century will be driven by the revolution of Artificial Intelligence and many more advances." His prediction is marked by factuality as far as the march of Artificial Intelligence is concerned. Till the present days, Artificial Intelligence has encapsulated numerous opportunities to run the governance. In fact, transparency and accountability are the reiterated mantras. As Artificial Intelligence works on the principle of autonomous decision-making amidst complex algorithms. Moreover, clean energy, environmental initiatives and food security are also envisioned by it. Along with opportunities, Artificial Intelligence poses ethical dilemmas; manipulates the original contents, false videos propagation, biased outcomes, employment eruption, privacy dangers and most importantly, the automation of lethal weapons. So, the opportunities and challenges are proportional in Artificial Intelligence. Therefore, some concrete measures based on national and international implementation are the done need to utilize the Artificial Intelligence.

When there is cause, there is effect. Same is the case with Artificial Intelligence; on one hand, it provides opportunities while on other hand, it raises some ethical dilemmas and challenges. For instance, it helps out to provide ease with increased efficiency but at the same time it purported numerous austere problems as well. Statistically, while framing budget amidst the substantial use of Artificial Intelligence, an entire amount is also devised to curbed the risks of Artificial Intelligence. Keeping in view the adverse ethical dilemmas, the world conducted Bletchley Summit to mitigate the risks that are attached to Artificial Intelligence. Moreover, visiting boards and laboratories are also advised to be established to check the advances of Artificial Intelligence before it creates any existential threat.

The evolution of Artificial intelligence is rooted in 1950s, when John McCarthy coined this word and thus it became an academic discipline since then. The aim was to develop a machine which works upon data and results into an outcome

which is the exclusive work of human mind. The impetus gained by Artificial Intelligence in the start of 21<sup>st</sup> century when the simple data processing machines were replaced with the most modern and advance complex machines. While interviewing to the Guardian, the pioneer of Artificial Intelligence, Mustafa Suleyman said that 2023 is the revolutionary year of it. Artificial Intelligence will expound those advancements which has never witnessed by humanity. His this pretension can be supported by the abrupt march of Artificial Intelligence in the last two decades. Some of the promised domains of Artificial Intelligence:

Accountability is the hallmark of Artificial Intelligence. which showcases the total expectation based on ethical ground from the institutions. Both benefit and usability is the calculated part of accountability. Numerous buddies are envisioned by Artificial Intelligence holders who conduct hope and anticipation of shareholders in both pre and post-arena of investment. According to NBER report 2022, accountability in Artificial Intelligence is a set of practices and

and measures which includes audits, risk management, and redress for adverse impact. These are the things which differentiate Artificial Intelligence from the preceding innovations. In fact, it pursues exact or nearly exact accountability.

Similarly, Artificial Intelligence promises transparency which aimed to provide clear and efficient functions of the institutions. Likewise, Artificial Intelligence makes models more readable and understandable which helps in real world problems tackling. And at the same time provides easy and straight answers to the utmost complex real world problems. For instance, Artificial Intelligence works as a team player which means that, it is capable of diagnosing 1% of cancer symptoms when it is harmful to the health. Both humans and machine work in collaboration to reach into a solid conclusion. Before the advent of Artificial Intelligence, the treatment of the diseases was based on probability, but it made decisions sure and owing not to doubts. Through this way, Artificial Intelligence ensures transparency and thus its popularity gains momentum each day.

Likewise, Artificial Intelligence is based on autonomous decision-making. Its decisions are devoid by the interference of humans and environmental happenings. It is based on firm software which is only directed by a man agent. Human interaction is needed as far as data supply is concerned, then Artificial Intelligence, which could be robot or any other machine process it by its own. For instance, the autonomous decision making mechanism of Artificial Intelligence includes, the drones used for pesticide spray over the crops to sustain the health of the crops. Not only the completion of the task is the end but also efficiency and accuracy. More accuracy adding measures are under consideration in Artificial Intelligence.

Moreover, Artificial Intelligence is committed to provide measures for clean and renewable energy sources. Numerous heavy machines are envisaged under Artificial Intelligence which will produce renewable energy. Moreover, it forecasts and calculates real-time conditions without fluctuation and acts upon demand and supply mechanism. For instance, with the collaboration



of Nokia, Artificial Intelligence proposes measures for energy which will cut the emissions upto 30% as compare to conventional energy production. To address this issue, is the dire need of the contemporary world as for as the shortage and crisis of energy is concerned. The envisaged measures will be implemented after scrutiny. The crisis of energy has been a problem for governance.

Similarly, the novelty of being committed to climate change is a new frontier. And Artificial Intelligence has adopted several initiatives to mitigate climate change. Those measures itself are environmental friendly. The preceding history witnesses that the measures taken for the mitigation of climate issues, were resulted into an exacerbated global temperature. But Artificial Intelligence is a meta-technology not based on the former's footprints. According to Muna Khan, in her article in ~~February~~ <sup>November</sup> 2023, she said that, through Artificial Intelligence and its vigilant use, the modern researchers can easily tackle the severe problem of climate change which has created an existential threat for homo sapiens on the globe.

Governance and climate politics are becoming a high profile problem. A handsome amount is advocated for the mitigation of climate change. And on the contrary, Artificial Intelligence will do it in least amount with efficiency.

last but not the least is that Artificial Intelligence guarantees food security and quality crops production. Due to global temperature, on one hand, it decreased the total yield of the crops and on other hand, it lessen the quality of food and endangered food system. Thus, Artificial Intelligence is under consideration to enhance crops production and ensure food security. According to world Trade Organization, the demonstration which is taken under Artificial Intelligence manifests increased food yield and food security. It is blessed by U.O and blockchain technology. Moreover, the enhanced yield is acutely needed in the modern world amidst the increased population. Proportionally, population is increasing and crops production is dwindling down. If Artificial Intelligence initiatives undertaken successfully, then it can better ensure production and security (food).

The opportunities to which Artificial Intelligence is committed are discussed. Especially in the domain of governance and how it is the exponent of efficient governance. Now let's have a look at ethical dilemmas which are connected with the march of Artificial Intelligence.

The foremost ethical dilemma of Artificial Intelligence is that it presents manipulated or generative deceptive contents. And the world is globalized in its entirety which runs from one end of the world to the other end in just nano seconds. which can create chaos and conflicts as far as the saerity of the religions is concern. According to the Guardian (Blotch by report has been quoted), its timely measures are not offered to diffuse the risks of Artificial Intelligence, then it is more liable to open the "new frontier" of misinformation. which ultimately means that the new wars and conflicts will come from misinformation and deceptive contents. Hence, here comes the first ethical dilemma which is the ~~to~~ outcome of Artificial Intelligence.

Similarly, the presentation of false and deepfake media is the second ethical dilemma attached to Artificial Intelligence. The advanced countries are more subject to this ethical dilemma of deepfake amidst election campaign. In which the oppositions doctor such deepfakes with false narrative from one's rival candidate. Moreover, it is more capable for espionage and social engineering. According to the Foreign Magazine, about 95% of deepfakes are made through deepfakes, which tarnished the credibility of original media and information. The only way out to cap the expansion of deepfake is to establish a sensor board or else national level planning. In other case, nearly, it is more capable of creating a chaotic environment to the human specie.

Furthermore, Artificial Intelligence is marred by the practice of biased outcomes. As the automotive machines and robotic technology work upon the principle of applied set of data. If the data is biased, then more aptly, it bestows biased outcome. No measures are proposed by the producers since then for the curtailment of biased decision.

According to Mustafa Sulayman, who was the owner of OpenAI said that the prime objective of Artificial Intelligence is neutrality and objectivity. But it does not mean is that he himself prepare all the robotic technologies which will utmost devoid of bias. He works in collaboration which intentionally or unintentionally bias data enter and thus pose an ethical dilemma for society, individual or state.

Subsequently, Artificial Intelligence is also responsible for the disruption of unemployment. It has replaced soft and hard corners jobs alike. The worse hit of Artificial Intelligence is women's employment and a chunk of women got unemployed in those countries who wholeheartedly welcomed Artificial Intelligence. The issue of unemployment creates inflation and other social evils like crimes and theft. According to UNDP and UNESCO report 2022, in the wake of Covid-19, the advent of Artificial Intelligence caused about 35% women's unemployment which is going to be a severe problem in the near future, because women constitute about half of world's population. which means half of population will be out of development. So, the disruption of unemployment is another ethical dilemma of Artificial Intelligence.

Additionally, public exhibition of privacy and personal data is another ethical dilemma attached to Artificial Intelligence. Like, Artificial Intelligence keeps unwarranted surveillance and passes over unnecessary informations like unauthorized location and contact access. According to Office of the Victorian Information Committee, Artificial Intelligence risks sensitive data dissemination and public privacy like information of finance and medical care. But Artificial Intelligence seems reluctant to propose measures to curb this ~~ethical~~ dilemma, because it is made for these measures and numerous other. In the near future, it will more aptly be used for espionage and theft purposes, which can pose and open a new serious frontiers, as told by Bletchley Summit.

~~At~~ last, but not the least ethical dilemma which comes with Artificial Intelligence is the proliferation of lethal autonomous weapons, which is more apt to create existential threat to the entire humanity on the planet. An increased impetus has been witnessed in the proliferation of arm race since the mid 2000s. According to Henry Kissinger in his book "The Future

of ~~humanity~~ 'Artificial Intelligence'; he argues that Artificial Intelligence is responsible for the ongoing arm race among the great nations of the world. Amidst this competition, the future of human specie is bleak. which goes without saying that all the automatic machine guns including drones, are the outcomes of Artificial Intelligence. which engulfed the erosion of human values and numerous precious lives. As evidenced from the ongoing war in Eastern Europe and Middle East.

likewise, the ethical dilemmas of Artificial Intelligence are dealt and they manifest that it can pose a serious people problems. But here are some wayforwards too, which can diffuse the risks of Artificial Intelligence.

the first and foremost is the inclusive decision making for the entailments of Artificial Intelligence disadvantages. All the parties should be taken on board to hear the domain of risk which they are facing currently. After knowing the dangers, this problem is needed to be addressed with measures which are bonding on one hand and applicable on other hand. According to the meeting between China's

President and his American counterpart, conducted on the platform of G20 in Mali, a special conversation was moved for the mitigation of risks attach to Artificial Intelligence and come up with inclusive policy making in future". The problem which other supra-national organisations have is that their decisions and policies are advisory and this risks (AI) needs strict, holistic and binding policies. For this reason, European Union conducted inclusive policies for Artificial Intelligence risks through the platform of Bletchley.

Similarly, in order to cap the ethical dilemmas of Artificial Intelligence, a state control national measures are required. More emphasis is needed to pay a collective response than individual response. For instance, China has established a supervisory panel who checks the advancement in Artificial Intelligence and then formulate rule according to the innovation, so resultantly it cut down the ratio of risks attach to Artificial Intelligence. On the same manner, the take away of the Bletchley report is also resonating. Like they reached upon the consensus to envisage laws of national level with its holistic implementation in order to curb the danger of Artificial Intelligence.



As history shows that the march of Artificial Intelligence is inescapable, so it is ~~very~~ necessary to better manage its impacts on society and nation.

lastly, free social media modules can better prevent the risks and dangers attach to Artificial Intelligence. As this platform is accessible to all alike and numerous influencers are also there who promote it their own accounts. The world is globalised and the spread of awareness about Artificial Intelligence is pretty easy and less expensive. According to world population index, the world turn to be 8 billion and about 4.8 billion people own social media accounts. In fact, this platform is recognised by international organisations. Thus, awareness can be spread among the people by adhering them towards social media and hence the risks of Artificial Intelligence can be curtailed. Furthermore, the way social media accounts are used for business publicity, the same could be done when it comes to address the countering of the risks and dangers of Artificial Intelligence.

So, the role of Artificial Intelligence in governance is inconceivable. It brings forth accountability and helps in making the entire institutions efficient according to the anticipations. Artificial Intelligence bestows transparency, which aims to solve complex and technical problems smoothly and easily. With the help of making decisions autonomously. Moreover, clean energy initiatives are also undertaken which will be renewable as well. It initiatives are environmental friendly. And most importantly, it pursues food security. With all these opportunities, Artificial Intelligence also poses certain ethical dilemmas too, i.e. the first one is that it present manipulated contents in both text and videos. Additionally, it is marked by biased practices in decision making. And it felt the users insecure of their privacy and personal data. It gives an impetus to unemployment and proliferation of arms competition. In order to cap its ethical dilemmas, here are certain measures, like, inclusive provision of policies, state control policies and last but not the least is, free social media awareness modules. These measures can make Artificial Intelligence more consumable with less sideeffects and insecurities.