Essay Topic: Artificial Intelligence has overstepped its bounds.

1. Introduction

Thesis Statement: Though Artificial Intelligence has brought Fourth Industrial Revolution but it has overstepped its boundaries by replacing the human with machine in every aspect of life. However, its detrimental impacts could be mitigated by taking some crucial steps.

34 words

2. Advancements in the field of Artificial Intelligence.

3. How Artificial Intelligence has overstepped its bounds.

a). It has surprized the world by inventing emotional Intelligence.

b). By replacing human with machine.

c). It has overstepped by inventing Artificial Intelligence based weaponry.

d). Generative language model (ChatGPT) has fed up with the data from the works without their publisher's consent.

e). has crossed its limits in producing deep fakes

f). biasness in the AI programming data.

4. Overstepping of Artificial Intelligence is detrimental for the world.

a). Artificial Intelligence is a threat to the world order because of increasing intelligence competition among countries.

b). It is a threat to Democracy.

c) It can play a role plays war crimes.

d). It raises concern regarding privacy.

e). Artificial Intelligence surveillone is a threat to freedom.

f). It increases the risk of unemployment.

g). Human creativity may become worthless due to its advancements.

5. Preventive measures to deal with the rising concerns of Artificial intelligence.

a). First all Artificial intelligence should be control and its regulation is necessary. Controlling the harmful impacts

b). Proper agreements must be needed between governments and its creators to set its limitations.

c). Awareness through AI based education.

d). Governments should work in the upskilling and reskilling of workers.

6. Conclusion.

Essay:-

"The least scary future I can think of is one where we have at least democratized Artificial Intelligence. (also) when there's an evil dictator, that human is going to die. But for an AI, there would be no death. It would live forever. And then you'd have an immortal dictator from which we can never escape." —Elon Musk Advancements in the field of Artificial Intelligence could be prove as menace for mankind. [Could be proved] Due to its unlimited survillence it poses threat to the freedom of humans. Humans will have to live under the dictatorship of this machine. It has replaced the humans in every aspect of life. It has surprized the world by inventing artificial emotional intelligence. It has overstepped its bounds by producing Deepfakes, AI based weaponry and biased programming language. It is a threat to the world order and Democracy. It can play a role in war crimes and raises privacy concerns. It increases the risk of unemployment and challenges freedom of choices. Regulation of Artificial Intelligence is necessary. Proper agreements must be needed between governments and its creators to set its limitations. Awareness through Artificial Intelligene based education is important

Governments should work in the upskilling and reskilling workers. Though Artificial Intelligence has brought fourth Industrial Revolution but it has overstepped its boundaries by replacing the human with machine in every aspect of life. However, its detrimental impacts could be mitigated by taking some critical steps. (230)

A machine can be made to behave like a human using emerging technology called Artificial Intelligence. With its help, machines can be able to think like humans. It works on the basis of provided codes and programes. It is making human life easier and more pleasurable. It reduces human workload and enhances productivity. Through machine automation it contributes to the world GDP.

It is a broad concept that aims to stimulate human cognitive ability. Machine learning, an approach to AI, is the study of how computer systems can learn to perform a task to predict an outcome without being explicitly programmed. Every industry in our society is impacted by artificial intelligence & affected by all new AI advancements. It can

provide clinicians with therapeutic assistance, potentially increasing efficiency and improving efficacy. It has demonstrated high accuracy in oncology related diagnostic imaging, including screening mammography interpretation, colon polyp detection etc. [158]

Artificial intelligence has surprised the world by inventing emotional intelligence. AI with emotional intelligence may stimulate emotions, but they would lack genuine feelings. This could lead to the manipulation of human emotions without real empathy. Emotional AI might require access to personal data and conversations to understand and respond to emotions, raising privacy concerns if not properly handled. Hence, it has overstepped its boundaries in this field. [76]

It has overstepped its boundaries by replacing human with machine in various aspects of life. It is the result of machine automation in industries. AI-powered robots have been widely used in manufacturing and assembly lines to improve efficiency and precision.

According to the International Federation of Robotics (IFR), the global robot density in the manufacturing industry increased to 113 robots per 10,000 employees in 2019. By the speed of this automation will increased with [73]

this speed then it will cause to decrease the importance of human workforce in manufacturing industries. It raises job insecurities. Therefore, Artificial intelligence has crossed its limits by replacing human in various aspects of life. (120)

It has overstepped its boundaries in creating autonomous military and war weapons. Its role in the development of weaponry has raised [has also raised] significant ethical and strategic concerns. AI-driven autonomous weapons, often referred to as "killer robots", are a major concerns. These weapons have the capability to make decisions about whom to target and when to use force without direct human intervention. This raises the risk of misuse, accidental harm, and ethical dilemmas. Unmanned aerial vehicles (drones) equipped with AI technologies can identify and engage targets. It raises the risk of destruction and more harm as compared to the human intervention. Therefore it has crossed its limits in producing weaponry. (114)

AI generated chatbots has raised the moral concerns. The world's best plagiarizer, Artificial Intelligence Generative Language Model (ChatGPT) is also a cheater. It has fed up with the data from the published works without their publisher's consent. Open AI, the company behind ChatGPT, fed some 300 billion words systematically

scraped from the internet, book, articles, websites and posts including personal information obtained without consent. One book takes hundreds of days for writing. It takes writer's time, energy and experience. It is undigestible that a machine has broken all the terms and conditions and has stolen their work. Therefore, Artificial Intelligence is trying to cross its limits.

Artificial Intelligence, particularly in the realm of deep learning, has advanced rapidly in generating deep fakes. These advancements have raised concerns due to their potential for misuse. It can be used to spread false information, which can have significant social and political implications. AI-powered deep fakes technology can violate people's privacy by creating convincing fake content that appears to feature them.

AI deepfakes are being weaponised in the race for US president - and Trump is the latest target. The campaign for Donald Trump's GOP rival tweeted out a video containing fake images of the former president hugging and kissing Dr Anthony Fauci. This way, AI is used to destroy image of a prominent personality. Hence, AI has overstepped its bounds in creating deep fakes.

Biasness has been found in the Artificial Intelligence programming data. It becomes the source of spreading

colour and gender equality. It should spread positivity and facilitate human beings on equality grounds. This is one of the biggest flaws of Artificial Intelligence. AI systems, including those designed for emotional intelligence, can inherit bias from training data. For example, a study by Joy Buolamwini at the MIT Media Lab found that commercial facial recognition software from IBM, Microsoft, and Face++ had higher error rates in classifying the gender of darker-skinned and female faces. Such bias can contribute to discrimination. Figures related to the extent of bias in emotional AI systems may vary. Hence, AI-generated system promotes discrimination. (117)

AI can be considered a potential threat to world order due to increasing competition among countries for several economic, military, security and geopolitical concerns. Nations are investing heavily in AI research and development to gain a competitive edge. This can lead to economic disparities, with AI superpowers dominating markets and exacerbating global inequalities. Between 2010 and 2019, Chinese and Russian over AI invested was totaled $879 million across 12 deals. Beijing and Moscow concluded five additional AI investment deals of undisclosed value. AI is being integrated into military systems for defense and offense, raising concerns about the

potential for an arms race in autonomous weapons. This could destabilize international security. Therefore overadvancement in the field of AI is detrimental for world order.

(132)

~~Outstripping of AI is a threat to Democracy. AI related~~ deepfakes and chatbots can be used to disinformation and manipulate public opinion during elections or political events, undermining the integrity of democratic processes. AI-algorithms can enable the targeted manipulation of voters by analyzing their online behaviors and preferences, potentially creating "filter bubbles" that reinforce individuals' existing beliefs and limit exposure to diverse perspectives. AI decision-making systems can lack transparency and accountability, making it challenging to hold responsible parties accountable for their actions or decisions. Hence, AI powered system is ~~really~~ threat to democracy.

It can play a role in performing war crimes. Being a machine, AI is unable to feel pain, emotions, fear and experience of human. Because its senseless, it will perform war crimes without any hesitations. The development of autonomous weapons powered by AI, like drones or robots, raises concerns about the potential for these systems to be used in violation of international humanitarian law. They

could target civilians, fail to distinguish between combatants, and non-combatants, or be deployed without proper human oversight." China, Russia, soon all countries with strong computer science. Competition for AI superiority at national and international level most likely cause of World War Three WW3." -Elon Musk. Therefore, AI-powered atomated weaponry will be used in war crimes.

Artificial Intelligence raises concerns regarding privacy. As it continues to advance, it has brought concerns regarding personal data privacy. AI systems often rely on large amounts of personal data to learn and make predictions, which raises concerns about the collection, processing, and storage of such data. Generative AI can be misused to create fake profiles or manipulate images. Cybercrimes affect the security of 80% of businesses across the world, and that personal data in the wrong hands can have monstrous outcomes. AI-driven voice assistants and like Alexa or Google Assistant listents and process audio data from users. Concerns arise when users realize their conversations may be recorded, analyzed, and stored for various purposes, potentially infringing on their privacy. So, AI is a threat to privacy

Artificial Intelligence survillence is a threat to freedom. AI-powered survelliane systems, like facial recognition, can monitor

and track individuals in public spaces without their consent. In China, for example, the government employs a vast network of surveillance cameras equipped with AI to track citizens movements, raising concerns about constant state monitoring. AI surveillance is often used to suppress political dissent. In authoritarian regimes, such as in Xinjiang, China, Uighur Muslims are subjected to extensive AI-powered surveillance and monitoring, leading to human rights violations and lack of freedom. Therefore, AI is a threat to personal freedom.

AI increases the risk of unemployment of humans. Because of automation, especially machine is going to replace human in manufacturing industries. According to PWC's report, In the next few years, 3% of jobs will be potentially automated by AI. By the mid-2030s, as AI advances and becomes more Autonomouse, 30% of jobs and 44% of workers with low levels of education will be at risk of automation. Source: Future of Jobs 2020, World Economic Forum. It will result in decreasing job demands for humans. Hence, AI increases the risk of unemployment.

Human creativity will become worthless due to AI advancements. AI and automation can handle routine or repetitive creative tasks, such as basic design,

content generation, or music composition. This may reduce the perceived value of such work and lead to the commodification of creativity. As technology simplifies creative processes, people may lose traditional skills and craftmanship, which have intrinsic value in various art forms and craft industries. With the proliferation of content generated by AI, there is a risk of content saturation, making it challenging for human created work to stand out or gain recognition. Therefore human creativity is largely at a risk.

Artificial intelligence should be controlled and regulated. It is necessary to keep the world safe from its drawbacks. Developing ethical guidelines for AI usage is crucial. These guidelines should encompass principles of fairness, transparency, accountability, and non-discrimination. Interational bodies and organization can contribute to the development of these guidelines. For example, United Nations can play a significant role in this regard. Moreover there is need to revive the laws of Geneva convention. In this way detrimental concerns of Artificial Intelligence could be mitigated. Its exacerbating impacts estab could be controlled by setting proper agreements between different government organizations and its creators to set its

its limitations. Governments can establish and enforce laws and regulations that specifically address AI. These laws should cover aspects like data privacy, security, bias mitigation, transparency, and accountability. For example, the European Union's General Data Protection Regulation (GDPR) includes provisions relevant to AI. Therefore, through such measures hazardous impacts of Artificial Intelligence could be addressed.

Rising concerns of Artificial Intelligence could be addressed through AI based Education. Through education, population will be able to know about the basic usage of AI, its merits and demerits. They will came to know that how they will be able to fight against this machine. It can teach individuals, especially students, about the ethical implications of AI, such as bias, discrimination, privacy, and fairness. It encourages disscussions on responsible AI development and use. Learning about data privacy and digital literacy can empower individuals to protect their personal information in an AI-driven world. They can make informed decisions about sharing data and using digital services. Therefore, education can overcome such flaws. Governments should work in the upskilling and reskilling of workers.

In the next five years, half of all workers will require some upskilling or reskilling to prepare for changing and new jobs, according to the World Economic Forum. The rapid pace of technological change requires new models for training that prepare employees for an AI-based future. True upskilling requires a citizen-led approach focused on applying new knowledge to develop an AI-ready mindset. Employees should view upskilling and reskilling as an investment in the future of their organization, not an expense. In January 2020, The World Economic Forum launched The Reskilling Revolution, a public-private initiative designed to aggregate practices. This initiative aims to train and future proof one billion workers by 2030. Through such preventive measures AI's harmful impacts could be reduced.

Artificial intelligence has crossed its boundaries by creating deep fakes, emotional intelligence, inventing weaponry, automation, biased system, rising concerns and many more. It has detrimental impacts on person's freedom, job oppurtunities. It promotes privacy concerns and discriminations. It's a threat to world order. However, ~~the~~ It's drawbacks could be limited by implementing some preventive measures such as AI regulation, by setting AI-related ethical boundaries, establishing proper laws and through promoting education. It's creators should bounds

its applications and will work to save the world by making it a blessing not a curse for them. Artificial intelligence could revolutionize the world with automation and emotional intelligence but it will never be able to feel the pain, emotions, experiences and trauma that human can. So it will never be able to replace human in this case.

Query

Ma'am I am very much confused about my references/facts & figures in Essay. How I should quote them. I always confused about their relevancy with my argument. I need your suggestion in this regard after my evaluation.

Thank You So Much.

Looking for your guidance!

Regards : IQRA MAQSOOD