AI has Overstepped its bounds

Focus on understanding and deconstruction of the topic

A. Introduction

i) Stephen Hawking's remarks about AI

Faulty understanding of the topic

ii) Evolution of Artificial Intelligence

iii) Thesis Statement

B. How Artificial Intelligence has overstepped its bounds

1. Acquiring humanistic charateristic;
   For example: Chatbots, algorithms, robots etc

2. Transforming the world by overpowering industries, resturants and media

3. Shaping public opinion
   Case in point: AI usages in American presidential election campaign

Phrase it properly

4. A threat to data privacy and security
   Cases in point: i) Cyber attacks on FBR website
   ii) Deep fake photos and videos etc

5. Perpetuates discrimination in a society;
   For example: Amazon's recruiting tool was found to favour males over female.

Highlight the fields/avenues which manifest that AI has over-stepped it's bounds

6. Mental disorder as Online shopping addiction, rising mistrust - Job loss

7. Looming fear related to use of autonomoos weapons by non-state actors is still on the anvil

C   AI has not overstepped its bounds; Positive aspects related to it

Arguments should be self explainatory

1. AI in the field of medicine
   Case in Point: China's first robotic operation

2. Use in industries from manufacturing to packing

3. Agriculture sector has reaped numerous benefits : weather forcast, land mineral content, crop signalling etc — Agripreneurship

4. Faster input of data in government offices
   Case in Point: China's E-governance model

5. AI in crime detection — Predpol, Dextro algoriths used by police in USA

D   Much needed collective efforts to cage the menace of AI;
   a) AI safety Summit, 2023
   b) Francis Pope warning to G7 leaders, 2024

E   Conclusion

The Essay

"The development of full AI could spell the end of the human race. It would take off on its own, and re-design itself at an ever increasing rate. Humans who are limited by slowly biological evolution could not compete and would be superceded." remarked **Stephen Hawking** while predicting about the ever increasing pace of Artificial intelligence. The term was coined in mid 20th century by McCarthy who was trying to develop a system of computers that can perform swiftly. But now as of 21st century, the role of technology is playing its part in many fields of every day life from agriculture to industries, businesses to globalized network, health to beauty industry, AI has been in action. It has made its space in our lifes in such a way that now even children depends on modern devices to seek emotional support by asking Alexa, a robot, to pray for his grandmother who was ill. Moreover, human beings are deeply relied on technology to dispense their daily chores. So AI by

all means is replacing human beings and
is stepping over-its bounds. The paragraphs below
will lay bare the role of Artificial intelligence.

To start with, the use of AI in daily
life, has prevailed multiple domains of human
being. The chatbots which are incorporated with
the ability of Large learning models are used
in replacement of human beings in many
companies. The resturants nowadays are seeking
the help of a robot to serve the Tea in many
countries. The robots are being used in doing
household chores like cleaning, cooking, washing
and even driving. A number of food product
Chains are using AI led drones to deliver
food at any address in the vicinity. All the
aforementioned examples show that AI has
characterized itself as human beings and
are replacing humans in various domains.

Besides the use of AI machines in
resturants the industries are becoming overly
dependent on AI centered products. They
are programmed according to the need of
the work and can dispense service without
even taking breaks as humans do. This

different feature of technology has given it an edge over human beings. The print media is gradually backsliding in trends and is being replaced by artificial intelligence based algorithms that have been characterized by self analytical programmes Thus giving way for digitalized society where human minds are dragged down the central point

In addition to the use of AI in industrial level, the political system of the society is also not free from its clutches Some anti-state actors or political rivals in many cases, use AI against their competitors to malign them The case of elections of **2016** in **USA** shows the role of AI when a number of fingers were being pointed to Russia for hacking the **electronic voting machines** in America. Apart from this, in April a network of fake robot call was tracked by US authorities who was imitating President Joe Biden's voice and attempting to dissuade people from voting for him in New Hampshire's primary election. This clearly shows how AI is being used by antagonists to shape public opinion

according to their own wishes and whims. Not only abovementioned shaping of public opinion but also AI is appearing as a looming threat to data privacy and security of a state. Take for example the case of Pakistan, when the Federal Board of Revenue (FBR) website was hacked and the statistics were at the helm of being destroyed. In a recent case, that took place few months ago, when the website of Federal public service commission get blocked due to unknown hacking attempts. These attacks by such mala fidely acting groups poses serious threat to the internal security of the state whatsoever it may be. Other than that, a new social problem that is being confronted by many people in a society is regarding deep fake videos and photographs. This is done to assasinate the character of any person or to malign the reputation of any person. These threats to ethical standards are unfortunately happening because of open use of AI by all and sundry.

Similarly, the use of AI is perpetuating discrimination in a society. The example of this fact includes the role of Amazon recruiting tool which was used to hire employees in the company. The results of the tool showed more propensity towards male as compared to females. This elaborates how the manufacturer of a Tool can alter it according to his own choice to show distinction in results. Likewise another tool showed that boys can play video games more efficiently than girls. This show that AI can be molded according to one's own liking as to alter the realities that are almost non-existent.

On the other hand, AI is affecting the economies throughout the world. The black sheeps in the commerce sector are trying to harm the well-known businesses by doing online scams. The mushroom growth of fake websites, which demand advance money payments commit fraud on consumers. This malpractice shatters the trust-relation-ship on online services. Alongwith this

the business owners are using computers that are bearing the qualities of automative product selling and advertising, thus, resulting in job loss for an ordinary sales boy. The robots on shops at cash counters, sensing doors, face detecting enterance in halls have altogether replaced human beings and this leads to job displacement. The person not only suffers cronomically but also become depressed because of his financial position.

Last but not the least, the non-state actors in many states are relying to AI to spread **propaganda** and **digital terrorism**. The days are not far when such groups will be able to acquire autonomous devices to spread terror in a society. Imagine a digital device, which all of sudden started to rebel against its creator. The weapons and nuclear programmes of various countries are not immune from foreign threats in this digital age where "by just one click, you can bow any nation to its knees," as said by **Israeli President** after murdering Hamas and Hezbollah's leaders and launching pagers

attack in Lebanon. This shows the bitter reality of todays world where AI can be said to have overstepped its bounds.

After highlighting the role of AI in numerous sectors where it has surpassed its limits, let us look at the positive and distinctively useful aspects of AI in twenty-first century in the discourses below.

Firstly, it can be alleged that AI has not overstepped its bounds by analyzing its role in the field of medicine. Nowadays, where numerous health issues are erupting with each passing day the treatment of such diseases are also difficult to find. similarly some rare problems are even difficult/hard to diagnose. AI in this case has the ability to find the issue by using various scanning methods via use of different rays. Apart from this the developed countries like China are becoming front runners to step into AI based healthcare system. In May 2024 China has inaugrated its first 'Agent hospital' which provides facility of advance treatments. Alongwith this, the doctors sitting in Bejing has performed first AI

based robotic operation in Xinjiang province on patient suffering from critical health issue. The success of AI in the field of medicine is marvalous and is welcomed by many.

Secondly, the increasing demand of products with the rapid increase in population needs the urgent response in the industrial sector. Human beings have limited tendency of performing activities by way of their biological structuring and making. But if it is compared with the machinery, it becomes evident that the machines need no rest, they work on various kind of fuels and energies. The AI modeled devices and robots can perform all functions in industries without any rest. So they prove to be helpful in this sector. It is time consuming and less expensive.

Thirdly, most nations on the world stage are dependent on agriculture because of their natural landscape, so is the case of Pakistan. The use of AI algorithms and devices in agriculture sectors is of vital help and significance. AI remote sensing devices can now calculate

the PH of the soil and tell the farmers about the quality of the land for a particular crop. Similarly it can check the salinity of the land. It helps in measuring the nutrient requirement of the crop. Not only this but the advanced cropping systems can sow and harvest the crop yield at the programmed level they are set on by the owner of the machine. It has released the burden of the farmers and now the work that was performed in days. by manual force can be completed in hours by way of AI. The weather forecasting function of AI is also of vital importance for farmers of all level. Thus like entrepreneurship, the term agripreneurship is in practice because of modern agricultural practices in voyage.

Fourthly, the use of AI in all governmental offices is changing the system of governance worldwide. AI based algorithms have replace large piles of documents that were once used to collect and store important information. The case in point is of China, where governance is modelled by AI. The justice system is

also using AI technology in China. The cases of petty nature such as those related to payment of fines etc are being disposed by AI robots in China. This has reduced the burden of cases on judges and dissected the cases of small and summary trials from henious ones.

Fifthly, the AI technology is being used by numerous developed countries like USA in predictive policing. The AI based devices are collecting the name, age, residence, sex, vocation and educational background of almost every citizen. This helps in the stage of investigation when the whole data of the accused can be gathered by just one click of the police official. At the same time, the US police is using algorithms like **Predpol** and **Dextro** for detection of criminal. The geo-fencing technique is also being used in developing countries to locate a person involved in any crime.

After analyzing the distinctive aspects of AI in both connotations, it can be asserted that the world is still taking collective

measure for controlling the free and unauthorized use of AI. For that reason, last year AI Safety Summit, 2023 was held by United Kingdom To discuss the rising use of AI and develop means to regulate its use. Moreover, the Francis Pope in Group of Seven (G7) leaders meeting urged all the member countries to take serious initiative in the use of AI.

In a nutshell, it can be concluded confidently asserted that AI has overstepped its bounds. As **Yuval Noah Harari** in his book 'Nexus' has said that "one should never summon powers, one cannot control." This is because AI has become a Frenkenstien monster, in various cases replacing human beings of from their actual role. Once the master of technology, are now becoming subservient to man-made technology. The non-living products are performing the role of living human beings challenging the natural rule of the world. Therefore strict steps are needed to stop the further proliferation of AI devices at larger scale.