Topic

Artificial Intelligence and future of mankind

1) ## Introduction :

Thesis statement

Artificial Intelligence holds myraiel prospects for humankind, it however, poses certain challenges that need to be tackled by taking some steps to secure the bright future of humankind.

2) What is Artificial Intelligence and How does it work?

3) A cursory glance at the current development in (A·I)

4) what are some prospects that A·I holds for humankind in future ?

a) Transformation of health care : from diagonasi disease to completely uprooting the diseases

(b) It helps to enhance trade and business by bringing new innovations

(c) It brings revolution in transportation sector - self-driving cars rulling the roads

(d) A·I increasing agricultural output and

ensuring global food security

(e) A.I is winning new climate war with the inventions of mitigating technologies.

(f) A.I becomes permanant part of criminal justice system and helps to navidice the crime rates

5) what are the certain challenges posed by A.I to human kinds future?

(a) A.I increases the threat of joblessness, by replacing ~~machines~~ human beings with machines.

(b) A.I and rise of digital dictatorship is mounting the insecurities through big data algoritham.

(c) Robots become our master rather than slaves and we are overly dependent on technologies.

(d) A.I surges the economic challenges got unskilled small businesses.

(e) Development of calastrophic war tools and waponizations lead destructions.

(f) The gap between rich and poor is widening due to developments of A·I

6) What are proactive steps to secure a bright future of humankind and A·I?

a) Ecouraging innovations based public-private partnership to reduce employment

b) Ensuring checks and balances on the usage of social media and websites

c) Promoting of Technology for Peace narrative al global level.

d) Declining the gap between developing and developed nation, that balance can be ensured.

f) Can man and machines move and work together in future?

8) Conclusion

Essay:

Since the Big Bang, this earth has gone through many transformations. From existence of unicellular organism to multi-cellular organism, from multicellular to complex structure creatures. This earth has witnessed these phenomenon. Surprisingly a phenomenon that started developing gradually after industrial age. The first industrial revolution used water and steam power to mechanize production. The second use electric power to create mass production. The third used electronics and information technology to automate production. The fourth revolution is technological revolution which is known Artifice Intelligence (World Economic Forum). It is twenty first century which is century of Artificial Intellig So, the coming technological revolution might establish the authority of Big Data algorithms. Our Feelings aren't based on intutions, inspiration or freedom - they are based on calculation.

There are many prospects of artificial intellige which affects the human's life such as transfor mation in healthcare system; economic and trad opportunities, combating crimes and increasing agricultural advancements. These are some questions arising why do we need

Artificial Intelligence? what are the benefits of A-I? what are certain challenges posed by A-I to human kinds future? and can man and machines more and work together? A-I holds myriad prospects for humankind. It however, poses certain challenges that need to be tackled by taking some steps to secure the bright future of humankind.

It is necessary to discuss the term Artificial Intelligence. Artificial Intelligence is the simulation of human intelligence process by machines, especially computer system. Artificial Intelligence speed up, improves precision and increase the efficacy of human endeavors. To predict fraudulent transactions, implement rapid and accurate credit scoring, institutions can use artificial Intelligence approaches. Artificial Intelligence a term coined by, emeritus stampard Professor John McCarthy in 1955, "the science and engineering of making intelligent machines."

Artificial Intelligence has become technological reality for business and industries. A.I is widely used at everywhere - personal or professional life. People are relying on machines. By the early 1990s, Block buster had opened it 1000ᵗʰ store. In 2010 Blockbuster announced bankruptcy. why? Because someone sought to redesign the movie rental business. According to **Artificial Intelligence Index report,** in 2019, A.I adoption among large companies has increased by 47% as compared to 2018. It can be seen through, A.I and related subjects are included in University's syllabus to increase mental capability of students, such as C⁺⁺ command subject in I.T department. However, A.I is expontially surging in all over the world.

When moving to the future of mankind, there are some prospects of Artificial Intelligence which change the way of living in all spheres of life. The first and foremost is transformation of health care. Most of the people were dying without knowing even their disease and it was very difficult for doctors to diagonose the disease on time. But thanks to A.I, whe

makes it ~~more~~ much easier now; ~~~~ only not
diseases are being diagnosed but, also detrimental
diseases are uprooted; for example, cancer
hapatitis, and brain teumar. These innovations
are very beneficial and favourable for
human beings. A multi-talented artist
and ~~artist~~ ~~says~~ computer scientist Alan kay say:
The best way to predict the future is
to invent it. As per report Artificial Intelligence
Index, "70% investment has been increased
since last year on A·I innovations." These
inventions will remain continue.

By bringing advancements, innovation
and creativities, or which increases the opportunities
of trade and businesses. It is the natural
phenomenon, people prefer new and attractive
things rather than old fashioned or dumce.
A·I has also been able to strengthen the
economies of states. The United states of
America, which is known as hub of Artificial Intelligence
It's prime focus remains on A·I. On the other
hand, China and India are also focusing on
bringing advancements in I·T sectors. PwC's
Annual Global CEO survey highlighted
that 63% of CEO's believe A·I will have
a large impact than internet and by

2030, it will lead to an estimated $15.7 trillion or 26% increase, in global GDP. A.I has become the backbone of state's economy which because it provides different opportunities to strengthen the economy.

Moving on, self-driving cars are not just seen in animation and 3D movies, where people feel themselves in different animated world; it becomes reality now. It is A.I which makes it possible. A self-driving car, also known as autonomous car, driverless or robotic car; car is capable of travelling without human being's input. **As Yuval Noah Harari writes in his book '21 lessons for the 21st century** "self-driving cars reduce the the chances of accidents because automated machines follows instructions and traffic signal and rules". December 2020, Waymo, became the first service provider to offer driver-less taxi rides to the general public in part of Phoenix, Arizona. Furthermore, Saudi-Arabia in it's 2030 vision is constructing Neom city which is completely based on Artificial Intelligence.

At present, most of the people are suffering from food insecurity under the sun

And Pakistan is one of those countries, where 36.9% people increase good insecurity increases and agricultural yield is reduces a 4%. A.I has provided relief and recuperated to agricultural yield, because china has announced to provid hybrid seeds to Pakistan, which will increase the efficiency and yield of agriculture. These seeds are formed through processes and tools which make them more effective and beneficial. Through different innovative tools barren soil can be converted into fertil soil. For example, Food Fertilizer is the one of those companies that which are working on different organic and inorganic minerals and bringing developments on agricultural sectors.

The Artificial Intelligence has become juggernaut whose importance can't be denied, infact it's value is piling up when it winning the new climate war. The Global warning is hot topic among the state's, and tries to alleviate the abnoxious effects of global warming. A.I plays very important role, for example, Ritcher scal and seismograph are being used for measuring the level of earthquak.

On the other hand, satellites are used in space are measuring and analyzing Green house gases and oxon depletion, which makes us able to know intensity of Global warming. As British-American theoretical physicist Freeman Dayson says: Technology is a gift of God. After the gift of life it is perhaps the greatest of God's gifts. It is mother of civilization, of arts and of sciences. A·I becomes good friend which helps to eradicate many problems of the world:

It can't be wrong to say that A·I becomes parmanent part of criminal justice system. It is further bolster by explaining the current invention of Implanted device which is known as Neuralink It is invented by Elon Musk's company, its device makes use of ultra-flexible, tiny electrodes implanted directly into the brain tissue to listen to the communication between neurons. This device helps to know what is inside the suspect's mind. On the other hand Brain-machine Interface is widely used during interogation, this device controls the mind and analyzes the suspects answers either true or false.

However, there are many other devices— CCTV camera, trackers, and dedectiong devic helps to reach at conclusion. A.I and criminal just system go hand in hand which are ensures and enforce stringent laws that uproots the evil of crimes

There are certain challenges posed by Aritificial Intelligence to humankind future, chief among which is threat of unemployment or joblessness. It is twenty-first century which is known as century of A.I, and it demande skillful labour who must be know aware of usoage machines. It is big threat for those who are less educated and untrained. In january 2020, the World Economic Forum launched the Reskilling Revolution, a public private initiative designed to aggregate government and businesses'efforts and share the practices. The initiative aims to train and future proof one billion workers by 2030. But remaining seven billion population is under threat because they are unable to compete with this A.I's. world.

As touted, the rise of digital dictatorship is mounting the insecurities. thragh

big data algorithm. Most of the people are increasingly relying on algorithms to make decission for them, but it is unlikely that the algorithms will start to consciously manipulate them, because they won't have consciousness. As, intelligence and consciousness are very different things, Intelligence is the ability to solve problems and conciousness is the ability to feel things such as pain, joy and love. "We will not appoint an A·I to be chancellor of the Germany. The chancellor could still choose between several different options, but all these option will be the outcome of Big data analysis and they will reflect the way A·I views the world more than the way humans view it" (Yuval Noah Harari, 21 lessons for the 21st century). People are easily being manuplated by A·I which increases Insecurities.

Similarly, robots become master rather than slaves. We make these robots for our easiness and to save our time but we became their slaves. By the large, we are overly dependent on technologies from our kitchen gadgets to

to big machines in industries. It seems as these machines are not made for us infact we made for them. However, we are unlikely to face a robot rebellion in the coming future. For every dollar and every minute we invest in improving artificial intelligence, rather than investing a dollar and minute in advancing human consciousness The writing is on the wall, people will be controlled by their own inventions.

Aritificial Intelligence increases economic inequalities, where people are already suffering from inequalities, A.I adds fuels to existing problems. A.I requires human skills and advancement and those who are under privillage unable to compete with new innovations, for example, Uber is competing with traditional taxi service and earning more than taxi driver. Mostly people invest in A.I or in new technologies but failed to maintain for long time, it looks out of frying pan into the fire. Social choice problem is the challenge

of aggregating the preferences of multiple individuals into a single function (Stuart J. Russell, Human Compatible, chapter six). Everyone has ones own capacity and capabilities, one machine can't measure potentials of different people at same time.

Moreover, the world is moving toward destructions and due to waponization. A.I is the causes belli of those destructions. World has become witness of two deadly world wars and thousands of people were killed, when America drop the bomb over Japan. At present, one misunderstanding can destroy the whole world in a second. This is all about new innovations and advancements in nuclear wapons. As, American philosopher and futurist R. Buckminster Fuller says "Humanity is acquiring all the right technology for all the wrong reasons". It is only when they go wrong that machines remind us how powerful they are. However, these human inventions move societies backward rather than forward

Artificial Intelligence increases social inequalities among human beings. That increases the gap between rich and poor for example, A·I· powered health care centres and hospitals rise their costs and poor people can't afford those hopital expenses. In public or civil hospital people are dying due to lack of equipments, medicines and machines. when we come to education system, it also widens gap between private and public schools. Now schools and Universities become commercial entities where elite students get their degrees at certain amount.

There are some effective steps to secure a bright future of human kind and Artificial intelligence. Firstly, ecouraging innovations based public-private partnership b reduce unemployment. States should open up opportunities of jobs, through introducing skill development programs. The threat of joblessness must be uprooted because last year 87 million people lost their jobs but 97 million of jobs were created by Artificial intelligence in

different fields. Most of people are earning money through different E-commerce websites such as Amazon, Alibaba, and Daraz. The growth Industrial Revolution (4IR) technologies are expeted to create up to 3.7 trillion in value by 2025 (PwC's Global Artificial Intelligence). There is need of hour bolster the reskilling revolution and train the workers that they can fulfill the demands of 21st century.

Secondly, the robust checks and balances must be ensured on the usage of social media. Now it becomes difficult to creat difference between true and athentic and munuplating content. People are being traped because they believe in what they see or hear, for example, there are more than 500 websites made by RAW, indian agency, against Pakistan. These websites are deleorating Pakistan's image in all over World. On the other hand, former President of USA Donald Trump claimed Russian involvement in his electoral voting company. However, the adverse usage of A.I

is not less than a nightmare. So, stronger steps should be taken to novidice the threat.

Thirdly, the exponendial surge in innovat are blessings, if it ensures peace and developments. Advancement brings alot of opportunities which change the life. But when those are going in wrong directions then these blessings transform into curse. what we are witnessing today is what was fashioned in previous decades – waponiza arm race, balance of power and tries to counter one am other's power. Despite knowing ramifications of detrimental weapons, we are investing billion of dollars in nuclea weapons. These weapons can destroy whd world within the blink of eye. Therefore, intew organizations, UNO. or OIC and E.U must keep their checks and balances ores indus and ensure that new advancements amd innoialion strengthen peace and prosperity in the world.

Fourthly, states needs to re-route their energies towards declining the

inequalities between developing and developed nation. These inequalities are bolstered by bringing innovations and developments, because ecomonical giant leaders (states) "rulling over the less developed countries. There is dire need to uproot these evils and providing to provide opportunities to developing nation that they can also bring developments and advancements within their states "Artifial Intelligence will have a more profound impact on humanity than fire, electricity and the internet" (sundar Pichai, the CEO of Alphabet Inc.). The essence of humanit must be prioritize because it is sine qua non for stability and development. It is only possible, when gap between rich and poor is declineing.

Therefore, machines and Humans have been working together for more than a century. It's not a new concept In fact, since the first machine was invented people have been creating more advanced machines. The multi-talented artist Al Bolisk says "Do you realize if it weren't for Edison we'd be watching TV by

candlelight? It sees it as a sign of necessity because with the passing time the needs and demands are increasing as A.I and humans are and will be worked together to fulfill demands of the time.

In a nutshell, technological advancements have helped human beings in every spheres of life but also have moved societies backward in socio-economic and cultural domain. Hence, it is essential to ensure peaceful and prosperous use of these inventions for the development of communities. For this purpose, strict controls and checks on the misuse of technologies must be ensured. As stephen Hawking says: "A.I is good servant, but a bad master." The successful implementation of the mentioned measures is of great importance to ensure prosperity in the globe. Failing to do so would lead the whole world in socio economic and cultural anarchy.