ARTIFICIAL INTELLIGENCE: PROMISES AND PERILS Outline Keep practicing on different 1. Introduction: themes/topics a) Hook b) Thesis statement: Artificial intelligence is a doubleedged sword, offering promises in every aspect of life, juntaposed against the enistential perils if proliferated and used 2. Phomises of Artificial Intelligence: a) Enhanced efficiency and productivity i) Reduces human efforts and errors ii) Cost reduction in manufacturing iii) Production boost in agriculture b) Transformation in education i) Inclusive and accessible education ii) hess burden on beachers

The state of the s
c) Advancement in healthcare
i) Early diagnosis of medical symptom
ii) Facilatates drug reposition
ii) Faciliatates drug rehabilitation
d) Improvement in governance
i) Efficiency in public Serve deligry
") Data-driven policy making
") Accountability and transparency
e) Environmental sustainability
i) Resource management in
i) Resource management in agriculture emergy, and urban planning
planning
ii) Analysis and predictions of
ii) Analysis and predictions of climate change hagards
3. Perils of Artificial Intelligence:
a) Loss of democratic values
i) Controlled perception through
tailored data process
ii) Threat to election ingrastructure
b) Security threats
i) Risk of autonomous responses
ii) Potential for grooming tomorist
b) Security threats i) Risk of autonomous responses, ii) Potential for grooming terrorists iii) Uncertainty of control

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	c) Concentration of power i) Domination of jew corporations and governments i) hoss of jobs in conventional dieles
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	i) hass of jobs in conventional
	fields
	iii) Hicloring gap between cleveloped
	iii) Hicloning gap between cleveloped and cleveloping countries
	d) Environmental impacts
-	i) Training of AI models emits
	enormous amount of CO2
	ii) Cooling systems of AI models
	i) Training of AI models emits enormous amount of CO2 ii) Cooling systems of AI models require excessive under.
	e) Emistential Risk
- a 0-4	i) Could surpass human control
	ii) Passes Condency to regenerate
1	Conclusion: Suggest remedial measures f
	these perils
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In his famous, The Somerer's Apprentice, Goethe presents a tale of an old soreerer and a young apprention The old sorcerer assigns some chores to the your apprentice and leaves the workship The young apprentice, in order to make his work easier, uses a spell he closed not fully understand. on a broom. The broom uncontrollably starts jetching water for him, slooding the workshop. In panic, he chops of the broom into two parts, only to see that each part becomes a broom further worsening the situation. Eventually, the old sorcerer arrives, stops the spell, and téaches his apprentice a lesson: not to summon things you don't fully understand This tale serves as the morroring analogy for the rise of artificial intelligence Like the broom it has unparalled efficiency but is also vulnerable to misuse as the actions of

apprentice revealed Indeed, artificial intelligence is a clouble-edged sword, opening promises in every aspect of life, juxtaposed against the existential perils if proliferated and used irresponsibly. This emphasizes the need for humanity to approach this innovation with responsibility and foresight to avoid any unintended circumstances.

One of the significant promises of artificial intelligence is the minimization. minimization of human efforts and errors through automation. Artificial intelligence is jed on data and can learn from the history of human errors It can assist in every aspect of daily life, from hould household chores to hertic corporate tasks It can strealine repetitive tasks and enable human resources to yours on more strategic goals Furthermore, it has unmatched potential to enhance productivity in sectors like

As reported by Mckinsey, AI will recluce supply chain forecasting errors by 50 percent and costs related to transport and workhousing up to 10 to 15 persont. Similarly in agricultural sector, farmers in the cleveloped countries are utilizing AI-powered drones to monitor their crops, predict soil conclitions, manage invigation system, and optimize pertilizers use A study predicted that AI has the potential to boost crop yields by 30 percent by 2030, and the United states and China are leading this revolution.

Another major sector which AI has transformed is education. Since it's inception, it has become a vital tool in educational activities. Artificial intelligence has made the education more inclusive and accessible to a cliverse population of students throughout the world It has made it possible to provide education to differently

abled children by calering to their unique cognitive and physical requirements. For instance, UNICEF has created AI-powered tentbooks with jeatures like sign-language videos, tent - to - speech conversion, interactivity, and audio description These books are helping 240 million children around the globe and has the potential to increase this sphere Moreover, it can aid According to CEO of K20 initiative, most of the teacher's energy is consumed in importing knowledge, by increasing AI-powered Knowledge sources, teachers can save valuable time This time can be utilized in activities which require human emotional intelligence like psychological assessments of students and communication with porents. In this way AI can be proved a transformative force in educational sector. Artificial intelligence also provides numerous benefits in the

healtcare niche One such benefit is early chagnosis of medical symptoms AI has immense capability analyze and predict diseases in their early stages. For enomple, AI-assisted breast concer screening is available en some European countries and according to the American College of Ractiology Data Science Institute, about 9% of U.S. ractiologists are screening has the ability to eletect subtle traces of concer , which human eye might miss. Moreover, it can help in drug rebabilitation produces by keeping record of the patient and aiding them with precautionary measure It can also personalized healthcare schedules for patients with diabetes, carcliovascular diseases and other medical complications Furthermore AT has opened the cloors to error free and quick surgeries by providing precision through AI-powered robots. Conventional surgical procedures posses risk of human error and uncontrollate situations, but with AI such risks

are mitigated to a greater extentAnother major segment that
an benefit from AI is governance.
Initially adificial intelligence can
assist in reducing bureacratic red
tape by digitizing the application proposal and complaint procedures This digitization will improve overall experience of public service by recluding waiting time and human interaction AI-chatbots can help public mavigate through new peatures this will increase the a accessibility to public services and will also reduce government's excessive dependence on human stay Eventually data-driven algorithms can aid in inclusive and accessible policy formulation by catering to the directe needs of the public based on languages religion, ethinity, occupation, age, and social class. This will muligate social grievances of lower strata of society and will ensure social cohesion. Finally, AI offers immense capability to improve accountability and

transparency in government society.

It can automate record keeping and aid information accessibil throughout the service hierarch For instance, in Bragil an AI System enposed corruption in Sao Paulo, insuring accountability in governance Hot only that, AI can offer great assistance in ensuring environmental sustainability. Firstly, it can efficiently manage resources
in agriculture senergy and urban
planning. In agriculture culture sector
it can automate irrigation system,
reducing the wastage of water. In
energy sector, it can enhance building efficiency by adjusting lighting, heating and cooling according to the occupancy needs Real-time optimization of systems can reduce energy consumption and emission of greenhouse gases Similarly, in urban planning, Al-powered sensors and signals can prevent traffic congestions of can also assist in manigating additions which are not

can detect vehicles emitting excessive amount of smoke, identify burning of garbage in neighborhoods, and monitor deporestation Secondly, Al algorithms can learn from data of past catastrophic events and can analyze patterns of environmental hazards it can predict implications of such hazardous events and alert the public and authorities

to take precautionary measures. This

can be helpful in mitigaling the

impacts of such events.

While promises of artificial intelligence are vast and transformative, it is equally important to recognize the potential perils that comes with its advancement Despite, its capability to positively impact humanity,
AI posses significant threats that
must be addressed. One of the most pressing issues surrounding AI is its impact on clemocratic value As stated by
The Alan Turing Institute, AI am be used in elections ampaigns to

manipulate public perception. AT-powered campaigns can detect volnerable them tailored data to mold their opinions. It poses risk of using deep fakes and distored propaganda to malign the election compaign of the opponent It is vulnerable to foreign interventions to escalate clomestic matters. It can shift democracies towards authoritarianism by centralizing control of public opinions similarly, it can spread jake news regarding achievements of leaders to strengthen their public support. Moreover, AI-powered election infrastructures are prone to hacking and system biases learned from historical data. It can also be used as a tool by populist leaders to malign and monipulate the system by raising objections on election credibility.

As the AI-systems continues risk of compromised security distorically invention of nuclear weapons revolutionized the concept of security and balance

of power But unlike nuclear weapon AI-powered weapons are capable of taking autonomous clecisions based on security threats. This capability of AI can have serious implications on humanity For example, clesense system of any country may launch a nuclear attack in self-clesense of slight probability of security threat. Moreover, artificial intelligence can assist terrorists organizations to carry out suicicle attacks, recruitments, and training of terrorists These organizations target vulnerable people based on their social media algorithms and manipulate them to aid terrorist activities in their vicinity. In this way they can also goin popularity among masses to threaten governments or international pegce. Furthermore, AI can make control over military assets and security mechanisms uncertain. Imagine relying over a missik or tank, only to know during an attack that it has been backed by A1-system of the adversary.

There is a growing concern over the paracligm shift in power concentration in fatere. Advancement in AI and over reliance on AI may enable

yew corporations and governments
to cloninate Advanced countries will intervene in the clomestic affairs of cleveloping or weak countries severely damaging the concept of state sovereinfy. It will modify the whole nation-state

system by weakening democracies jobs in conventral gields will result in increased poverty and includion in cleveloping countries Countries without achieved infrastructure and professionals will suppor to accomodate their unstilled people which will cause tensions among masses Resultantly, this will further wider the gap between the developed and developing countries increasing global and regional disposities According to a study, AI will add 1.5 trillion dollars to global economy, constituting 101. Share of United states and China.

Another potential and least talked threat of artificial intelligence is its environmental impacts. For instance, Chatgpt uses approximately 500 mal of water
for cooling during a jew closen
queries. According to a study, AI Systems could require as much water as half the United Kingdom's annual consumption, by 2027 Moreover, training of AI models emits enormous leaving a strain on the environment A study found that training AI models produces carbon emissions equivalent to the lifetime cars Another research compared the emission cluring training of AI models to 125 round trips between Hewyork and beijng Furthermore, it can put a strain on resources of cleveloping countries like Patiston, hindering the Process of propess in highly competitive environment

The most perilipus and overarching threat of artificial intelligence is the oxistantial risk to humanity Artificial intelligence has immense capacity to surpass human control. There is a misconception that AI require human conscieness and physical mobility sinfax similar to hollywood depictions of robots taking control of the world However, AI closs not require any of the above to control humanity. It only require multiple AT-systems and control over digital ingrastructure Yuval Hoah Harrari, prominent historian and philosopher, during a discussion in Cambridge University quoted, " AI could escape our control and either enslave or annihilate us? He further warned that, this could be possible in give to ten years if serious steps are not taken to regulate the use of AT Moreover, unlike nuclear weapons, Artificial intelligence poles tendency to regenerate itself As Yvval Moah Horrari says, it will first to generate an inorganic being in

45 billion years of history of the life on earth the also termed artificial intelligence as "Alien Intelligence" as it has the potential to escape human control and not remain artificial To summarize, artificial intelligence has unmal-check capabilities to make human life easier. It can revolutionize every aspect of human life, such as manufacturing, agriculture, education, health care, governance, and environmental sustainability However, no merit comes without elemerits. Similarly, AI has potential implications and perils that could negatively the the course of humanity It can impact democracy, power distribution, security, environment, and human life. It is high time to consicler the juture implications and clevise strategies to regulate its proliferation.