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## Artificial Intelligence and Governance: Navigating the future of Policy and Regulation.

### 1) Introduction

2) Emergence of Artificial Intelligence as a new realm in society.

3) Dire need of governance in the domain of AI

- a) Unregulated use of AI has deteriorated critical thinking capabilities and analytical skills
- b) Excessive use of AI has reduce employment opportunities
- c) Lack of regulations have made sensitive infrastructures vulnerable to cyber threats
- d) Unregulated use of AI in war has made warfare more lethal.

### 4) Navigating the future of policy and Regulation

- a) AI's governance needs to inculcate ethical guidelines in policy framework
  - (i) To prevent AI-driven lethal wars
  - (ii) To reduce the unauthorized access to personal data
  - (iii) To preclude cyber attacks
  - (iv) To stop Intellectual property theft.
- b) AI's governance needs to pave the road for further innovation in all the domains permeated by AI
  - (i) To transform educational system
  - (ii) To bring efficiency in research culture
  - (iii) To revolutionize health sector
  - (iv) To enhance environmental protection mechanisms
- c) AI's governance needs to consider the views of all stakeholders.
  - (i) address the public concerns

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- (ii) Consider the views of governments
- (iii) Bring forth the ideas of MNCs engaged in AI.
- d) Bilateral as well as multilateral steps are required for governance of AI.
- (i) States need to dedicate whole department to AI related developments.
- (ii) Regional and International organization need to ~~embrace~~ dedicate time to address the governance of AI at larger platforms.

→) Conclusion.

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The Emergence of Artificial Intelligence has shaken the society to its core. Many historians and analysts consider it to be the printing press and the steam engine of 21st century. The revolutions that followed the invention of printing press or steam engine brought a complete shift in the societies back then. Likewise, AI has brought a revolution in the twenty-first century. Many people consider it devil while some have embraced it as an angel thus a never ending debate has emerged over the use of Artificial Intelligence. It would not be incorrect to mention that AI has permeated to all the existing spheres of the society: It has revolutionized education system; It has transformed the health sector; AI has brought efficiency in research culture; It has revitalized the governance structures of the states. However, the dark side cannot be neglected. As it has extended the scope of wars making them more lethal; AI has provided easy ways for unauthorized access to personal data and cyber attacks. Despite this Artificial Intelligence is blessing for the people of this era. All it requires is proper management and efficient governance so that harms could be prevented and benefits could be enhanced. Artificial

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Intelligence requires a swift governing mechanism and the future policy and regulation needs to inculcate ethical guidelines. It needs to pave the road for further innovation in AI, future policy has to consider the views of all stakeholders and bilateral as well as multilateral steps are ~~long~~<sup>required</sup> to govern AI in a better manner.

Artificial Intelligence has emerged as a new realm in the society. It has permeated to all the existing domains and has ~~given~~ given a new outlook to the present conditions. It has transformed the societal dynamics by revolutionizing education, revitalizing health sector, by enhancing environmental protection mechanisms and by fortifying ~~research~~ research culture in the society. Thus Artificial Intelligence is nothing short of a miracle for today's century. Although, it is an emerging field, it has encompassed all the existing spheres and has brought human creativity to its zenith. To eradicate the devious aspects of AI from the roots, proper governance and regulatory mechanism are required. The policies will provide the direction to reign in the Unregulated and unauthorized use of Artificial Intelligence in today's world and to ~~bring~~<sup>bring</sup> benefit to the human kind.

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There is dire need of governance in the domain of AI as the unregulated use of AI has deteriorated critical thinking capabilities and analytical skills in the educational domain. Students are reluctant to utilize the mental capabilities due to easy and unregulated access to data related to every field. AI tools such as chatGPT provide information of any kind just on a click of button; therefore, it confines human thinking capacity. In addition to this, excessive use of artificial intelligence has reduced the employment opportunities. According to a report published by 'The Economist' the unregulated use of Artificial Intelligence would replace 40% of jobs worldwide. Thus the huge chunk of the society would ~~become~~ <sup>become</sup> jobless in the near future if proper governing mechanisms are not implemented. Besides this, the lack of regulations in the domain of AI has left ~~at the~~ sensitive infrastructures of state for instance, nuclear command and control systems vulnerable to cyber attacks. This is a huge challenge as it poses an existential threat to the states, endangering the human race. Moreover, unregulated use of AI in wars ~~has~~ <sup>has</sup> made

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warfare more lethal. Recently Israeli Defense Forces (IDF) made use of AI in its genocidal war against the innocent Palestinians. The result was nothing short of catastrophe. ~~to~~ collateral damage of unprecedented level depicted the use of non-human warfare in the warfare. ~~IDF has~~ <sup>confirmed</sup> IDF has ~~confirmed~~ that ~~to~~ <sup>it</sup> used Artificial Intelligence to identify Hamas and target Hamas' member through facial recognition and other technologies. This in turn wreaked havoc as the civilians were indiscriminately murdered due to limitations of artificial intelligence. The use of AI by Israel is enough to awake the world regarding the dire need of regulations and policies with regard to the use of Artificial Intelligence in the future.

Navigating the future of policy and regulation in the AI is tiresome job yet, it is very crucial and pivotal for the safety of <sup>the</sup> world and the well being of humans. AI's operation needs to inculcate ethical guidelines in policy framework. As the lack of ethical guidelines and its unregulated use has posed an existential threat to the world especially, when viewed through the lens of warfare. Ethical guidelines are pivotal to prevent AI-driven

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lethal wars. The indiscriminate and large scale murder of Palestinians is a precedent to awake the policy makers in the world. The ethical guidelines such as respect for humanity, protection of lives and dignities are crucial to reign in the AI's unbridled impact of wars. Besides, AI has made the unauthorized access to personal data easier consequently, privacy of ~~humans~~ individuals and the sanctity of personal space has been violated. Deep fakes are making roots in the social media and this is the outcome of unregulated use of AI. The access to personal data is hurting the freedom and security of individuals as a result there has emerged an anarchic situation in the world and this is going to get worse in the future if left unaddressed. The threats of nuclear war have been regulated through multiple treaties but with the emergence of AI the chances of nuclear war has ~~enhanced~~ increased. ~~Non-state~~ Non-state actors by using Artificial Intelligence can ~~now~~ get access to nuclear command and control centers of the states consequently, nuclear war ~~is now a possibility~~ would be an option in the future conflicts.

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