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# Artificial Intelligence: Promises & Perils

Outline:

## I Introduction

No doubt modern technology has been a force for good and responsible for innumerable positive developments—empowering people, improving productivity and advancing medical and scientific knowledge. Moreover, technology developments have also created disruptions, new vulnerabilities and harmful repercussions. Hence, it is imperative that the development and deployment of artificial intelligence should be approached with caution, while keeping in view all its potential consequences.

## II Artificial Intelligence: An Overview

### iii manifestation of the promises of Artificial Intelligence

(a) Artificial Intelligence vital to economy.

Case in point: Artificial Intelligence has potential to add up to 16% to the global economy by the year 2030

(b) Artificial intelligence presents myriad of benefits to health sector

Case study: Artificial intelligence has potential to diagnose cancer better than doctors.

(c) Artificial Intelligence can be a game changer in the field of education



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(d) Artificial intelligence plays a pivotal role in cybersecurity

case study: Government of Pakistan has introduced Artificial Immune System to protect data from cyber attacks.

(e) Artificial intelligence has a massive potential to combat climate change

case study: self-driving cars emit far fewer greenhouse gases than the gas guzzling counterparts.

(f) Artificial intelligence presents unprecedented benefits to governance.

(g) Artificial intelligence helps countries to elevate their defense capabilities

IV Increasingly developing AI poses great threats

(a) Developments in AI have great impact on jobs

case study: Two thirds of jobs could be lost due to automation in the developing countries.

(b) Artificial intelligence poses threats to democracy

case study: AI-generated deepfakes can influence elections and can cause civil-military standoff



(c) Developing AI is a potential threat to the balance of global peace.

Case Study: Spy balloon conspiracy between US and China.

(d) AI has potential to create a myriad of ethical and legal problems.

Case Study: Automated facial recognition system's discriminatory and biased results.

(e) Artificial intelligence could lead to a "nuclear-level catastrophe".

Case Study: Lethal Autonomous weapons are great threat which could lead to nuclear-level catastrophe.

v How to minimize possible perils posed by Artificial Intelligence

(a) Bold governance strategies <sup>needed</sup> to address the risks of Artificial Intelligence.

Case Study: European Union Artificial Intelligence Act is a laudable breakthrough to address risks of AI.

(b) Policymakers need to find ways to regulate AI both in the short-term and long-term.

Case Study: Use of blockchain technology and setting bodies to monitor AI.



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(c) Role of ~~big~~ big powers is crucial in dealing with menace of AI

(d) Role of United Nations in safe deployment and protected development of AI is indispensable

case in point: Different robust set of values-based principles and recommendations are inevitable, as <sup>created</sup> (given) by Organization for Economic Cooperation and Development

VI Conclusion.