

# Artificial Intelligence : Its promise and perils

## Outline :-

### I. Introduction

#### Thesis Statement :

Artificial intelligence programming has its problems and perils both at the same time; including accuracy, problem solving ability and problems include security and unemployment risk which can be curb by making policies and strategies to counter it.

### II Decoding AI :

- Significance in 21 century
- Tools used as AI

### III Applications of AI in various sectors :

- Health care
- Education
- Agriculture
- Social media
- Online shopping
- surveillance
- Bank sector
- Chat bot
- video games
- ~~Bank~~

### IV Unwinding Promises of A.I.

Increase the productivity of workers



- Boost profit margins
- Solve problems faster
- Error-Free mechanism
- Accurate decision making
- Provide vast knowledge
- AI complement humans effort
- AI more reliable and consistent

## V Perils of A.I.:

- High costs of creation
- Increased unemployment
- Lack creating
- Lack improvement
- Security risk / privacy concerns
- AI and Arm race
- No human replication
- Self governed
- Lack transparency
- Risk of scam / fraud

## Way forward

- Policy makers and technical researchers should work together to understand (Policy development)
- Evaluative model of defense research
- Incentives for manufacturers
- Combat inequalities
- Affective strategies to control negative effects of technical development



## Essay :-

A.I in 21<sup>st</sup> century is evolved in both positive and negative manner impacting human lives.

"AI is likely to be either the best or worst thing happen to humanity". ~ Stephen Hawking

A.I programming led the world in advancement of technologies in the modern world. It is an umbrella term for machines capable of learning, logic and perceiving. It include machine learning and deep learning which perform the task on the basis of provided data. Artificial Intelligence has benefited the humans in many ways at the same time it poses many challenges to them also. It include accuracy and problem solving ability but it also cause risky threats like security concerns and ~~the~~ most importantly unemployment. These challenges can be curb by taking measures like working on policy making and strategies.



AI has a very significant role in the modern times

As many <sup>electronic</sup> tools and gadgets are in possession of human being. Human beings use these tools for their ease their daily life work in today's time.

These tools include ChatGPT, Jasper, surfer and Tome which include the A.I programming. These AI tools usage in practical field is expanding day by day.

There are various sectors in which A.I can be applied.

Such as in health sector the future depiction of the seriousness of disease can be identified through A.I, improved decision making help in ailment of disease, expanded services in medical field etc.

Education sector is impacted by the tool chatGPT.

It was reported that it was used by the students



to complete their assignment and homework. Also cheating in online exams is done through Chat GPT, It include Plagiarism etc which is affecting the concerns of experts about the academic purposes.

Japan recently ban A.I due to cheating in exams.

Agricultural sector need new ideas about the increase growth of crops and different methods to improve the growth of the fertile land.

Social media <sup>platforms</sup> also inculcate the A.I programmes in it e.g. Snapchap twitter and Instagrame Threads are one of the example.

It can also be used in online shopping by paying through online banking. Banking sector use A.I for the

technological advancement, calculations of the amount of reserves and alot more

It is use in Chatbot and for surveillance purpose to in ~~the~~ cameras etc for



Security purposes.

It is also used in 3D video games. It helps in the advanced processing of technology in games.

Artificial Intelligence has many advantages which include the increasing productivity of human. It acts as a helping hand and facilitate humans. It also boost the profit margin in the business sector.

Companies reported that by the use of A.I they were benefited with the <sup>double</sup> profit.

A.I has the ability to solve the problems faster within a second it provide the better and accurate results without any error.

A.I has the ability to provide precise and correct information from the vast knowledge that it carries. It complements the human efforts as the work load/burden is divided. It is also more reliable and consistent technology.



existing the modern world.

Although A.I has many advantages but it also poses many challenges that include the expensive technology it cost high in its creation.

It is the main reason why humans can face the unemployment.

Acc. to world economic forum, by 2025, 85 million jobs will be lost globally.

As the work is substitute by the A.I human lost their jobs.

It lack creativity and improvement. As, it is programmed in such a way that it cannot work in more creative and improved ways but same general method is followed.

It arises the concern of security and privacy. As in modern times Deepfakes and data stealing through A.I is easy and accessible causes a threat to humans.



AI also poses threat to Arms race. Many weapons can be modified through the A.I technology it raises concerns globally. Even in July 2023, UNSC hold meeting of AI as Existential threat to humanity and act as a weapon in Nuclear warfare".

A.I has no human replication It is self governed and It lacks the transparency because there are the rising concerns of various scams & frauds.

The wayforward of this emerging existential threat in the 21<sup>st</sup> century could be the formation of policies for public to mitigate the several issues like scam, Deep fakes etc.

Government should make strategies to counter these problems evolving from the A.I programming technology. Policy makers and technical researchers should work together.



to understand the difficulties in the advanced technology and find solutions to control it.

Evaluative models for research and development needs to be made by the government.

Incentives should be given to the manufacturers for their ability of finding ways to control this challenge.

Combating these inequalities is an individual effort and must be done by awareness.

Effective strategies should be implemented to counter the negative impacts of the technological development.

As far as this A.I technology is a challenge it has its advantages side by side. Thus A.I in 21<sup>st</sup> century is a ~~problem~~ promise and a peril at the same time which needs to be curtail on time to prevent the society from more negative impacts in future.