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BATCH # 65
ESSAY

Artificial Intelligence -
A Rapidly Emerging
Technology

1: Introduction:-

Artificial Intelligence refers to the creation of computer systems that can work traditionally based on human intelligence using knowledge reasoning and mathematics. AI is an evolving technology which is used for human benefits. Currently, it is being used in many domains of life and many are under research. AI is a blessing as well as a curse for us because there comes many disadvantage with a pack of advantages.

2: Overview of the Current Situation
of Artificial Intelligence

AI spreading all over the country.
It was emerged from India but
now every state is working on it.
Putin says it is not only
necessary for Russia but for
all the countries of world.

3: AI - A blessing in Disguise:

Artificial Intelligence is serving us
in many fields of life. such
as;

3.1: Aviation:- Used in Cream
and Uber Apps for maps.

3.2: Healthcare:- Mayo clinic is
AI supported which predicts about
pregnancy and delivery of child.

3.3: Increase in Productivity:-

AI made our life more productive
and fruitful by using less time
and giving more productive
outcomes, animations.

3.4: Advancement In Education:-

AI is also improving our
education

ie Chat-GPT is an application

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of AI, which is used for educational purposes.

3.5.- Power Robotics

AI powered robots are used in many fields of life such as hotel Hennah in Japan, also using AI robots as vacuum cleaners and as home appliances.

- Self-driving vehicles are also important.

3.6 Military and Cyber Security

AI also facilitating in weapons and surveillance.

3.7.- Incorporating in Daily Lives

4 :- AI - A Hidden Curse

Artificial Intelligence also has worse impacts on our lives. Some of them are;

4.1 Safety Issues :-

Safety and security concerns are major drawbacks of AI.

AI-Safety Summit - 2023 was conducted to solve the safety and security issues.

4.2: AI Biasness

Another major flaw of AI is its biasness. Biasness leads to reliability issues and spreading of Misinformation.

4.3

4.3: Deep Fakes

AI revolutionized the domain of deep fakes which are used for black mailing and allegations.

4.4: Violation of Human Rights and Privacy Terms

Human rights are neglected and privacy of individuals are disturbed and it can be worsen.

So AI development should be under **ethical guidelines** and **gaurd rails** for responsible development.

4.5: National Security Issues

AI prevalence can arise cyber security issues and national security problems. Globalization

and interconnectedness may be a danger for security by spreading mis-information.

4.6: Spreading Mis-Information:

AI can mis-identify and so can mis-inform leading to fear and panic in certain situations.

5: Conclusion:-

Artificial Intelligence is rapidly evolving technology which uses human thinking and analytical reasoning. The whole world is bearing its fruits but it also has some implications which can be mitigated by transparency, fair development and guard rails responsible development.

Artificial Intelligence

refers to the development of computer systems that work on human intelligence, analytical reasoning and thinking capabilities. Artificial Intelligence is an emerging entity in the field of technology. AI is nowadays, used in almost every domain of our lives to make our lives easier.

From domestic robotic appliances to aviation, from healthcare to education, from military to cyber security, from production rate increase to animations almost all our daily domains are covered by AI.

AI brings many drawbacks with it such as; safety and security issues, individual's privacy, national security, replacement of Human Resources, biasness, deep fakes and violation of Human Rights. So AI is ~~an~~ blessing as well as a curse.

An overview of

current situation of Artificial Intelligence can be drawn by narrating its usage in vast fields of life. AI is basically, an **Indian** originated technology now spreading in all bio-spheres of the world for its applications.

Vladimir Putin says "Artificial Intelligence is not only necessary for Russia but for the whole world."

AI has become the necessity of all states and nations it is the symbol of progress and innovation effecting all the mankind in this universe.

Artificial Intelligence brings many blessings for us by making our lives easier and productive.

Some fruits of AI are discussed here. One of them is **Ariation**.

AI is used for map navigation. This system is used in different transportation apps such as **Uber** and **Cream** apps.

Another advantage of Artificial Intelligence is **Healthcare**. AI can be used to improve the overall health facilities. Health instruments can be AI powered. **Mayo-Clinic** is established which uses AI for the prediction of pregnancy, gender and also about the type of delivery. by scanning the pregnant women. It can forecast that whether the delivery of the lady will be normal vaginal or c-section will be preferred in case.

Artificial Intelligence used to increase the **productivity** and outcomes in less time. AI assisted appliance can finish its task in no time facilitating men. For example, AI employees human intelligence, thinking and reasoning. AI-assisted calculators, robots, home appliances and apps have increased the productivity.

Artificial Intelligence can be used to bring improvement in **education** sector. **Chat-GPT** is an AI based application, which can assist students in learning, essay writing, dialogues, speeches, seminars. So, education system can also be improved by using this newly evolved technology.

Power Robotics is the most advanced form of Artificial Intelligence. AI technology is being used to empower many appliances used as Robots for the well-fare of man. There is a hotel - **Hennah** in **Japan** which is completely equipped with AI-Robots for cleaning, receiving and serving guests. Vacuum cleaners nowadays, also working on AI technology. They can work efficiently and can complete their task within no time without creating any mess.

Millitary can also be equipped with AI empowered **weapons** and **surveillance**. AI can also be used for aviation and navigation for military purposes to defeat the army. **Cyber Security** can be empowered through Artificial Intelligence but ethical policies and gaurd rail development should be considered for the sake of privacy and security.

Artificial Intelligence is incorporating in our lives by so much appliances. AI being domestic faailitators can help us as vacuum cleaners, house-help robots, self-driving vehicles. Some international brands such as **Mostachio** are working on AI applications in which customer is faailitated by helping with size, colors, undertones and fabrics to select their clothings.

Now, we are coming towards the ills of Artificial Intelligence. Here are also some drawbacks of this technology which comes with its fruits. So, some of the Implications are discussed here.

Firstly, the most hot issue of Artificial Intelligence is **safety** and **security** issues.

Human resource safety comes first but AI has no emotions. It is only based on rational reasoning. It can create problems of security and safety if mis-handled. To tackle, the security issues **AI-Safety summit** was conducted in **November-2023**.

Some policies were made such as ethical policy for AI developments should always be considered.

Artificial Intelligence can be biased sometimes. Its **biasedness** can bring more harm than benefit. Biasedness may be

related to genders, color, region or some likings. Biasness may results in spread of mis-information. For example. AI-based Robot once missed identified Black as gorillas. In another test example AI powered Robots mis-identified people in a facial recognition test. So gender, color or region based biasness may bring havocs.

The worst implication of AI is deep fakes. Deep fakes are use for making unethical, vulgure, alleged audios and videos which can be used to blackmail any person. Deep fake audios are most commonly used to dename the politicians. Deep fake unethical videos are created to blackmail girls and for vulgar allegations to denounce the reputation of a person.

Another disadvantage of

the newly evolved technology is violation of human rights and privacy. Human Rights are significantly neglected and altered by AI. Privacy of an individual is also can be compromised which is a serious matter. If someone is really concerned about the human rights and individuals privacy so ethical guidelines, transparency, fair information and guard-rail development should kept under consideration.

Another Implication of Artificial Intelligence is **National Security Issues**. As AI has made this universe a global village. All individuals are interconnected so the security policies can be mistakenly revealed which can be resulted in security Issue. For example few days ago in October - 2024 Chief Justice Pakistan **Qazi Faiz Isa** took

Sou-Motu action against judicial team responsible for mistakenly uploading secret information on public website, Although, later it was deleted but it may cause security and privacy issues.

Artificial Intelligence can be a source of mis-information leading to turbulence in society. The **UN Secretary General** once said as artificial intelligence has made world a global village by interconnecting them all, it can be a source of spreading mis-information leading to fear and panic. As people are inter-linked with each other. One person can share any information, audio or video to another in any part of the world so spreading a false info can create panic. For example, the death news of president in USA once created trouble.

At the end, we can say that Artificial Intelligence is the most emerging technology of today's world, assisting us in many fields of life such as health, education, domestic help, productivity, navigation, robots and also in Military field. But these are some implications of it also occurs such as security and privacy issues, AI biasness, mis-information, mis-identification, violation of human rights and national security Issues. All these problems can be resolved by using ethical policies, fair and transparent development and guard-rail developments. We can hope that artificial intelligence may bring more fruit and implications will be resolved and we will have better and much easier life without any implications, as someone said there is nothing

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good or bad it's our thinking which
makes it so.