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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 many purposes. ~~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 disadvantages 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.

No it is not so plz read again
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 ~~setting 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.

AI has transformed life

3.4: Advancement In Education:-

AI is also improving our
education

ie Chat-GPT is an application

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.

Write in formal and self-explanatory manner
 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 ~~gaurd rails~~ responsible development.

Human input

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.

Entity or new advancement

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 privacy

It has also many drawbacks attached with it

national security, replacement of Human Resources, biasness, deep fakes and violation of Human Rights. So AI is a blessing as well as a curse.

An overview of

current situation of Artificial Intelligence can be drawn by narrating its usage in most 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 affecting 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 Uba 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 guardrail 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 facilitators 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 facilitated 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.

Most crucial issue

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

Human resource safety comes
first but it 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 its developments
should always be considered.

Have been introduced

~~Artificial Intelligence~~
can be biased sometimes. Its
biasness can bring more harm
than **benefit**. Biasness 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 negative 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 individual 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

Write in formal language

Day: _____

Date: _____

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