

Introduction, Applications and Prospects of Artificial Intelligence

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Abstract

At present, Artificial Intelligence is being successful in every field of life. Whether it is any type of communication identification and auto pilot mode in aircraft, operation in medical field and as a teacher in the teaching field, Artificial Intelligence is being used extensively and its impact is very capable which will become more capable in future. The whole world is looking at the possibilities of Artificial Intelligence in detail today. If we define Artificial Intelligence, then a computer program which has the ability to think and understand on its own can be placed in which category of Artificial Intelligence, which can really take decisions by analysing the information stored in it earlier. The chances of error through Artificial Intelligence are almost zero. Robotic films have also been made on Artificial Intelligence in motion pictures, which clearly shows the possibilities of Artificial Intelligence in the future. Therefore, it is very important to study in this field.

Keyword: Artificial Intelligence, Applications, Prospects and Introduction

INTRODUCTION

Artificial Intelligence has definitely become an essential need of mankind today, but in the quest to get ahead of each other, it will cause more harm to mankind, which will prove to be even more harmful in the future and the whole world will have to suffer its consequences. It is necessary to do research on this subject to study its use and misuse. How Artificial Intelligence is affecting human life and is leaving its mark on every field, whether it is the field of education, medical field, business activities, security field, or medicine-related subjects in weapons, therefore, it is necessary today that more serious research should be done on this subject and more should be known about it so that its future impact on its use can be ascertained.

OBJECTIVES

- Study about Artificial Intelligence.
- Study about the types of Artificial Intelligence.
- Study about the use of Artificial Intelligence.
- Study about the possibilities of Artificial Intelligence.
- Study about Machine Learning.
- To study the caution in the use of artificial intelligence.

RESEARCH QUESTION

- What is Artificial Intelligence?
- How many types of Artificial Intelligence are there?
- In which areas is Artificial Intelligence being used?
- In which areas can Artificial Intelligence be used?

- What is Machine Learning?
- What precautions should be taken while using Artificial Intelligence?

METHODOLOGY

The study has been conducted based on the method of document review in accordance with the qualitative approach of research and has been done on the basis of the secondary sources of data like books, research journals, articles and different websites towards “Introduction, Applications and Prospects of Artificial Intelligence.”

Definition of Artificial Intelligence –

Artificial Intelligence can be kept under that branch of science in which machines have the ability to think and understand like humans and behave or react like humans. It also helps humans in taking decisions. Robots are a good example of this which work according to their ability to think and understand and provide a decision with truth rate. By making robots with the help of AI, the capacity of various products can be increased and work can be done on the third party, for example, at present, the verification of documents of a person can be done very quickly with the help of AI so that there is no delay in the further process. We can also see an example of this in the game of chess, in which when a person plays chess with a computer, the computer makes its move after thinking like a human and also wins and losses in the game like two humans.

Various advantages of Artificial Intelligence-

1. Advantages in the industrial sector-

Artificial Intelligence proves to be more capable in those areas where production capacity can be increased by repeating a task again and again and the possibility of error can be reduced. Accidents keep happening in the industrial sector in which human effort can be avoided with the help of AI, but its use is definitely likely to increase unemployment.

2. Advantages of AI in the field of medicine-

AI is leaving its indelible mark in the field of medicine as well. Today a person sitting thousands of kilometres away can operate on a person with the help of AI and can also test and monitor his health with the help of Artificial Intelligence.

3. Advantages of Artificial Intelligence for data analysis in research field-

Artificial Intelligence is also being used for data analysis of research being conducted in various fields. It

analyses the answer in a short time with accuracy and gives the result without any error. The work which takes years to complete can be done quickly with the help of Artificial Intelligence.

4. Benefits in the field of education-

Through Artificial Intelligence, students can ask questions and get answers from anywhere and at any time. Through this, Artificial Intelligence is playing an important role in bridging the gap between students and teachers, which is more accessible and less expensive from the point of view of student interest. Even the work of distributing global educational level is being done well through Artificial Intelligence, which also includes various types of online courses.

Disadvantages of Artificial Intelligence-

The ill-effects of Artificial Intelligence in the future can be classified as follows.

1- Reducing the availability of employment opportunities-

The way Artificial Intelligence is being used for all the tasks, it will definitely reduce the number of workers all over the world, due to which unemployment will increase all over the world, which will definitely have a huge impact on the economic systems. Human life will be affected.

2- Increase in the chances of war-

We know that robots are being built with the use of Artificial Intelligence, which have the ability to sleep and understand and work like humans. Certainly, such soldiers will be built who will protect the plants of different countries and will replace the soldiers, who will work to provide deadly and terrorist opportunities for the security of a nation, this will not be appropriate from the point of view of national security.

3. Fulfilling the shortage of teachers in education-

Through artificial intelligence, students will be taught by robots in the classrooms, in which the shortage of teachers will be fulfilled by robots. In one view, it will not be possible to correctly guess the feelings, needs and mental state of the students through artificial intelligence.

4. - Excess of global industrialization-

With the help of artificial intelligence, the pace of global industrialization will be boosted, due to which effects like global warming can be seen to be more affected and its effect will be seen on the entire nature. Which will not be appropriate for the environment.

5. Artificial Intelligence as a means of destruction-

Certainly in the future, artificial intelligence will be used for human welfare as well as human destruction, where today humans are connected to each other with feelings, artificial intelligence will work only for the fulfilment of the objective, bypassing all these things, due to which human life will be in danger, it will destroy whoever comes in the way of its objective, which will be a tragedy for humans.

CONCLUSION

In the above study, we saw how Artificial Intelligence helps humans but its harmful effects are very high which will pose a threat to the human race in future and will force humans to work like a passive remote operator. Also, its results will be more harmful for the world which will work to promote global war in the world. Along with this, humans can take advantage of more production, error-free work etc. with its help but there are chances of more losses

due to its use which will lead humans towards more unemployment in future. Now we can say that it is very important to use it according to a certain criterion in further research on this subject so that it is not harmful for mankind.

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