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## IMPACT OF ARTIFICIAL INTELLIGENCE IN CURRENT AND FUTURE

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### ABSTRACT

Artificial Intelligence is the concept in computer science that emphasizes on the creation of intelligent machines that work and reacts like human beings. The person behind the AI is Alan Turing who often called the father of modern computing, was a brilliant mathematician and logician has introduced the idea of the modern computer and artificial intelligence. The objective of this paper is to review the future of artificial intelligence. It is concluded that AI approaches will be dominating in the future. It would enable former workers to spend their time elsewhere, such as with family, learning a new skill, or simply living a comfortable life. Providing people with the resources to do any of these would be key, of course, as the concept of a universal basic income.

### KEYWORDS

Intelligent machines and Artificial Intelligence.

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### INTRODUCTION

#### Reinforcement Learning

Reinforcement learning -it's an area of Machine Learning. It is about taking suitable action to maximize the reward in a particular situation. In reinforcement learning, there is no answer but the reinforcement agents think and decides what to do to perform the given task. In the absence of the training dataset, it is bound to learn from its experience.

#### Drastic Change in Employment

Monotonous Tasks, can be easily automated; this can gradually make certain roles obsolete. For instance, the tasks and activities related to customer care operation, document verification, discovery and

retrieval, content moderation are more and more based on technology and automation and less on human work. A recent study shows robots will take over more than 15 million jobs by 2030, thus creating mass unemployment.

#### **Automated Transportation**

The thought that someday, we will be sitting in the backseat of our car, and the car will drive itself to places (as per our instructions) is scary yet exciting. Automated transportation is exactly that.

Hence the use of advanced technologies in the transportation industry is affected by factors that are difficult to predict. It includes things like traffic, human errors, or accidents. However, artificial intelligence is doing well in the transportation industry. AI uses observed data to make or even predict decisions properly.

#### **Machines are going to Be Smart as Humans**

Vincent C. Muller and Nick Bostrom, two researchers surveyed in 2014 to find out when AI experts think that human-level AI or Artificial General Intelligence will arrive. Surprisingly, they found that there is a 50-50 chance that we will achieve human-level AI by 2040.

#### **Caring for the Elderly**

As AI is growing exponentially, another benefit that the society can derive from it is that of some sort of an attendant for the elderly. Scientists are working on robots that can provide medical care to senior citizens. As robotics is now moving towards a level that is higher than human efficiency levels, there will come a day when we will find robots reminding our parents/ grandparents to have medicines, or assist them in carrying out tasks involving motor functions.

#### **Healthcare**

The main purpose of healthcare AI applications is to examine relationships between prevention or treatment techniques and patient outcomes. AI programs are being built and implemented to practices such as diagnosis processes, treatment protocol development, drug development, personalized medicine, and patient monitoring and care. Most of the medical institutions have developed AI algorithms for their departments and still working on its development.

#### **Great Support in Defence**

The military industry has been using artificial intelligence for many varied purposes. AI's autonomy makes them suited for hostile situations where sending humans may not be feasible. The development of autonomous weapons systems is a focus of military research in many developed nations like the US, Russia, China, the UK, and France.

#### **Battlefield Surveillance**

Getting up-to-date information about hostile zones is of major importance for a military sector. Live updates are not possible due to the high danger. AI operated drones are already in use by the developed nations like the US and Russia for this purpose. These drones can surveil hot zones and hostile areas. They provide alerts when they notice an anomaly. In certain cases, these drones are also used for pre-emptive strikes or first responses.

#### **Aviation**

AI-supported Design of Aircraft is used to help designers in the process of creating conceptual designs of aircraft. This program empowers the designers to concentrate more on the design itself and less on the design process. The software also allows the user to focus less on software tools.

#### **Advertising**

It is possible to use AI to predict the behaviour of customers from their digital footprints to target them with personalized promotions or build customer personals. A documented case reports nowadays online gambling companies will be using AI to improve customer targeting.

#### **Intrusion Detection**

Cyber security is one of the most promising applications of intelligent computing systems. AI can monitor the state of the network and all the data transaction taking place around the clock. This makes AI uniquely suited to detect and prevent intrusions to systems and networks with sensitive and classified information. Important information and protocols like nuclear access codes can be protected with the help of AI's proper regulation.

#### **Entertainment**

Many scientific innovations take shape for the first time in science fiction. Artificial intelligence is such a topic that sci-fi movies love and hate. Artificial

intelligence has been featured in movies for just about a hundred years. In our future we will be finding all the movies to be virtual and having digitised picturization.



## CONCLUSION

The above points paint a hazy picture as to what AI could have in store in the future. But one can say that AI is a violent delight. Therefore it is going to be everywhere, and will be as helpful as electricity. However, the exploitation of AI could be quite destructive. Anyway, we can't predict the future. So let's relax and wait for it while we extensively use our Alexa's and assistants. Therefore in our future AI is going to make human being -family oriented and develop new tech devices by spending the time with family.

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## CONFLICT OF INTEREST

We declare that we have no conflict of interest.

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