RESEARCH ARTICLE

THE ADVANCEMENT OF ARTIFICIAL INTELLIGENCE A WAY TO MAN AND MACHINE IN COMBAT IN *TIME MACHINE* AND *I ROBOT*

Sumathi, R*. and V. Sutharshan

Department of English, Kongunadu Arts and Science College, Coimbatore – 641 029, Tamil Nadu, India.

ABSTRACT

Science fiction has proved notoriously difficult to define. It can be explained as a combination of science and technology and development in robotics in short it can be otherwise called as 'realistic speculation about future events and a genre based on an imagined alternative to the reader's environment. It has been called a form of fantasy fiction and an historical literature. The paper goes further with two main concepts one with clash between two people of future and the other with advancement of science particularly on robotics. First is about general outline to science fiction in short a (SF) a genre cause problem because it does not recognize the hybrid nature of many SF works. It is more helpful to think of it as a mode or field where different genres and subgenres intersect. And then there is the issue of science. In the early decades of the 20th century, a number of writers attempted to tie this fiction to science and event to use it as a means of promoting scientific knowledge, a position which continues into what has become known as 'hard SF'. The research article is completely based on advancement of science and its effects.

Keywords: SF, AI and COBOT.

1. INTRODUCTION

Science-fiction (SF) is a period touchy subject in writing. Generally cutting edge, sci-fi hypothesizes about elective lifestyles made conceivable by mechanical change, and thus has now and again been designated "speculative fiction." Like dream, and regularly connected with it, sci-fi imagines elective universes with credibly predictable principles and structures, set apart by one way or another from the standard or well-known universe within recent memory and place. Unmistakable from dream, in any case, sci-fi thinks about innovation to think about how it may change the states of our reality and change being human. "Science fiction" (SF)is the class that thinks about what interesting new creatures we may progress toward becoming what mechanical structures we may concoct for our bodies, what systems and frameworks may support or tap our life energies, and what machine shells may contain our spirits. The following article is completely based on science fiction which particularly focuses on Robotics, Artificial intelligence, followed by its consequences arises

On investigating the term mechanical technology, which truly implies Robotics is a part of innovation which manages robots. Robots are programmable machines which are normally ready to do a progression of activities self-governing, or semi-self-ruling. As indicated by my feeling, there are three vital elements which comprise a robot:

1. Robots communicate with the physical world by means of sensors and actuators.
2. Robots are programmable.
3. Robots are normally independent or semi-autonomous (1).

As indicated by me robots are "normally" self-governing since a few robots aren't. Tele-robots, for instance, are totally constrained by a human administrator however tele-robotics is still classed as a part of apply autonomy. This is one model where the meaning of mechanical technology isn't clear.

It is shockingly hard to motivate specialists to concur precisely what establishes a "robot." Some individuals state that a robot must almost certainly "think" and decide. Nonetheless, there is no standard meaning of "robot thinking". Requiring a robot to "think" recommends that it has some dimension of computerized reasoning. Anyway you characterize a robot, apply autonomy includes planning, building and programming physical robots. Just a little piece of it includes man-made reasoning.

2. ARTIFICIAL INTELLIGENCE (AI)

Artificial intelligence (AI) is a part of software engineering. It includes creating PC projects to finish assignments which would some way or another requires human insight (2). Computer based intelligence calculations can handle learning, discernment, critical thinking, and

dialect understanding as well as coherent thinking. Man-made intelligence is utilized from multiple points of view inside the advanced world. For instance, AI is widely used in Google seeks, Amazon's suggestion motor and SatNav course discoverers. Most AI programs are not used to control robots. When AI is used to control robots, the AI calculations are just piece of the bigger mechanical framework, which additionally incorporates sensors, actuators and non-AI programming.

Artificial intelligence includes some dimension of machine realizing; where a calculation is "prepared" to react to a specific contribution to a specific route by utilizing known sources of info and yields. The main aspect that separates AI from increasingly regular writing computer programs is "insight." Non-AI programs just complete a characterized grouping of guidelines. Artificial intelligence programs emulate some dimension of human insight.

3. BOTS WITH AI and NON AI

Artificial intelligence acts as a bridge between Robotics and AI. These are robots which are constrained by AI programs. Numerous robots are not misleadingly insightful up until as of late, all mechanical robots must be modified to complete a dreary arrangement of developments. As we have talked about, tedious developments don't require man-made brainpower. Non-intelligence robots are very restricted in their usefulness. Computer based intelligence calculations are regularly important to enable the robot to perform progressively complex undertakings.

A simple robot (cobot) is an ideal case of a non-intelligence robot. For instance, you can without much of a stretch program a cobot to get an item and place it somewhere else. The cobot will at that point proceed to pick and place questions in the very same route until you turn it off. This is a self-ruling capacity on the grounds that the robot does not require any human contribution after it has been customized. Notwithstanding, the errand does not require any knowledge.

4. DIFFERENCE BETWEEN ARTIFICIAL INTELLIGENCE AND ROBOTICS

The main difference between robotics and artificial intelligence is that robotics, it is completely a branch of engineering and it involves not only the programs that drive it but also the machine parts like its design and construction. It generally needs people from various streams of

studies and skills are required to develop the complete concept of robotics. Similarly, artificial intelligence has its development from computer science in simple it is completely a development of simple program. In broader sense, robotics involves both hardware and software, whereas artificial intelligence is all about software and coding.

The main objective of robotics is to perform tasks physically and reach out to the place where human beings cannot physically. The word "physically" is important because the main aim of robotics is to replace human beings so that the algorithms understand the external situation better and make decision and act similar to that of humans. Robotics can be in two ways, it would be autonomous or semi-autonomous depends upon the programmed tool or by the controller, in some cases self-constructive bots are used they could think similar like human and make decision very fast such bots are completely autonomous.

The scope of Artificial intelligence is very broad, it has to be analysed from the fact that only few percentage of AI is used in machine and the rest is available in online applications and electronic devices. The possibilities are infinity it can be programmed in such a way that it starts to understand the input and think various possible ways before producing an output. In several other situations there are possibilities that a robot could think in a different way as it gets exposed to the external circumstances, the advancement in AI would ultimately result in adopting a program. The advanced robots would never fail when the external situation and scenarios change drastically, especially when it is not programmed to respond accordingly.

Robotics and AI are completely different they are not similar, it is true that AI is used in robotics to make the robot smart but it has to be restricted to a level it would be better to avoid self-constructive robots.

5. RISE OF ROBOTS AGAINST MANKIND

Robots and artificial intelligence have taken our life to the next level, they have become our sixth finger. Our lives would be paralysed without these two major inventions. In our day to day life, bots with artificial intelligence play a serious role. The tech we use today are completely made of those two major inventions for e.g. computers, cell phones, auto driving in cars and aeroplane, quality checking and defence. We use programmed robots to perform particular task

without any break in operation such are called simple robots. Similarly these robots reduce manual error and gives perfection on completing its assigned task. In some cases humans are replaced by bots with special intelligence and to reduce manual error in such cases human loses their employment, in this case it takes the place of human.

On examining deep into it, the growth of artificial intelligence has to be brought under the control of human; there is a great possibility of war in future either it would be a man vs. man or mankind against robots. This concept is been said by the two great novelist

1. Herbert George wells – The Time Machine (3)

2. Issac Asimov – I Robot (4)

According H.G Wells, the concept of science fiction is been used in a different way. The author travels through the time with his device and finds out that there would be great possibility of war between two clan of people, particularly in this novel he explains through two human like creatures named as Morlocks and Eloi.

The second novel, I Robot which explains about Artificial intelligence and how robots develop their intelligence with artificial intelligence. The author Issac Asimov has used this idea in his novel, he has also given an idea about self-programmable robots which would create danger to mankind in future. Through this we could get a clear picture

about future with bots, and so the development of artificial intelligence has to be under the control of human.

6. CONCLUSION

At present, the idea has gone invalid as the growth of artificial intelligence has gone beyond the control limits; we have introduced bots in all the fields now it has become a part of our society. The advancement in science has taken our life to the next level. The topics which these two authors have taken have already occupied our life, so there would be a great possibility of war in future. At present we have a bot named Sophia developed by Hong-Kong, Hanson robotics this bot is specially made with artificial intelligence. This robot has a physical appearance of human which is popularly called as humanoid bots. May in future there is a possibility of war between men vs. men or it would be war between men vs. robots.

REFERENCES

1. Asimov, Issac, (1950). *I Robot* Development and Rules of robotics. Sci. fi print, 46.

2. *Advancement of Artificial Intelligence and robotics* (2010), web. https://www.techgenyz.com/2018/09/20/latest-artificial-intelligence-advancements/

3. Wells, Herbert George, (1895) *The Time Machine.* The nature of time machine. Print, 59.

4. Asimov, Issac, (1950) *I Robot* Detailed study on robotics. Sci. fi print, 91.