How Artificial Intelligence in Impacting Real Life Every day

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ABSTRACT

Artificial intelligence in today's world is progressing rapidly with new advanced innovations day in day out. Today's computer systems are designed to perform small tasks, for instance, facial recognition, car driving, and performance of other minor duties. However, the primary goal of artificial intelligence is to develop advanced and more complex systems that would outperform humans at whatever way. This includes the performance of more complicated tasks like playing chess and solving equations. Therefore, the future goal of AI is to perfect all human activities and provide better solutions to problems than the human can do. In the long term, an automated system that does all the human functions from controlling cars to computerized business systems will pose several challenges. More so, in preventing the development of lethal arms that significantly harm humans once they are used to attack. As a result, the development of super AI that undergoes self-improvement, triggering intelligence explosion would leave the human intellectual capacity by far. The development of a super AI will mark the greatest invention in the human history. Consequently, the invention of more advanced technologies has significantly helped in war eradication, proper means of fighting diseases and developing appropriate prevention measures. Furthermore, advanced technology would much help in fighting against poverty.

Keywords: Artificial Intelligence, Performance, Automated System.

INTRODUCTION

Technological developments have significantly advanced since the 1990's with more significant improvement in the way people perform different tasks (Frey and Osborne 2017). The concept of AI as an area of science was more close to fiction. However, the idea of AI is no longer a fiction but a reality that has become part of our daily lives. Therefore,' machine learning' by use of neural networks that mimic the actual processes of the real neurons, AI allows machines to process complex data and provide accurate information (Iqbal et al. 2016). With the innovations and development of AI, it marks the golden age of AI. As a result, the AI has been the most advanced technology. Hence, it will dominate the focus of technology for many years. It is important to note that with the AI, people's lives have been improved for the better. Notably, integration of AI technology has a great connectedness in improving the people's activities in their everyday life.

METHODOLOGY

The research was carried out concerning the research subject. Numerous consultations were carried out from the previous academic research, books, and journals that relate to the issue. Therefore, the study embraced the form of a new analysis based on the previous research on the subject.

FINDINGS

Automated Transport System

The transport industry has dramatically embraced advancement in technology. According to (Zhang and Minbiole 2016), people have utilized the AI technology to develop self-driving cars. Despite the fact that the cars need a driver for safety purposes, the developments are a clear proof of the level of AI as far as technological

advancements are concerned. For instance, making a car move itself and around corners is difficult. The technology that enables the same car to navigate crossroads and avoid colliding with other vehicles is seriously advanced (Cunha et al. 2016). Equally, making all these things happen is magical, and a lot of skills and knowledge is borrowed from the AI. AI as the technology behind self-driving cars has improved peoples' everyday life in several ways. Through self-driving, the number of accidents occurring has substantially reduced (Harper, Hendrickson and Samaras 2016). In most cases, accidents are attributed to several factors which include alcohol, over speeding, drugs, aggressive driving, lack of experience, ignorance of road signs and the set conditions, steady reaction time and overcompensation. Given that about 40% of total accidents occur due to the influence of alcohol and drug abuse. Consequently, more than 1100 lives are lost which could be saved through full implementation of self-driven cars.

INVOLVEMENT IN DANGEROUS JOBS

AI developed robots are being designed to assist human in carrying hazardous situations. Robots have taken over positions that are hazardous to human beings (Smith & Anderson 2014). Some of the dangerous jobs include defusing bombs, which pose a lot of risk to human. Therefore, with the development of robots, diffusing bombs have become easy since the robots can do it with ease with nothing to fear. As a result, robots have significantly assisted in saving thousands of lives in taking over the most dangerous job in the whole world today (Abdalla et al. 2016). Eventually, with more developments in AI, more positions will be taken over by robots which may include welding which produces some toxic substances. People working under intense heat and in an environment with earsplitting noise will significantly benefit from the knowledge of AI. In this regard, implementation of AI has helped considerably to offer safety measures to humans and provide protection from harm (Helbing et al. 2017).

COMPUTERIZED METHODS

According to Vermesan and his colleagues (2017), in today's world, automated means of reason, learning and the way people perceive have become part of people's daily activities. Through the application of GPS during the long drives and trips, to the use of smartphone technology are good examples of the role AI has played in people's lives. With AI, there has been the minimal occurrence of errors especially when typing since the computers can predict what we are going to write and make corrections to wrongly typed words. That is a clear example of an AI machine at work. Additionally, whenever people are uploading pictures on social sites, the AI algorithm identifies the person and tags them (Smith & Eckroth 2017). Furthermore, the knowledge of AI is well utilized in the banking and financial institutions to manage and organize statistical data accordingly. Utilization of AI technology has reduced the number of errors and increasing the chances of achieving accuracy.

Teleoperated robot-assisted surgical system for minimally invasive procedures. (Credit: Intuitive Surgical, Inc.)

Figure 1: Teleoperated robot-assisted for minimal surgical procedures Source:
https://www.robotics.org/content-detail.cfm/Industrial-Robotics-Industry

Additionally, AI has significantly contributed in the field of medical research and diagnosis of complex neurological disorders. For instance, with the AI doctors can assess a patient's health risks and determine the side effects of various medicines (Hussain and Qamar 2016). Uniquely, AI has influenced the field of medical research leading to advanced study that has in turn led to saving lives.
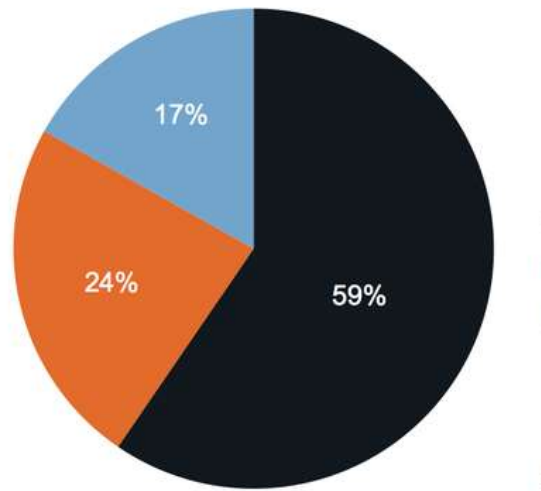
Figure 2: Chart showing the percentage of people embracing AI
Source: https://www.google.com/search?rlz=1C1CHZL_enKE763KE763&biw=

Evidently, the majority of the people understand the importance of AI and the role it has played in enhancing their lives. From the chart above, 59% of the people agreed that AI had greatly influenced their lives, 24% failed to recognize the role played by AI and 17% did not know whether it had played any part or not.

REDUCED HUMAN EFFORT
AI has played an essential role in daily human life. Today, many industries are using human technology in the development of machines that perform human activities (Frey and Osborne 2017). These tools create consistency in the rate of production with efficiency and effectiveness assuring the management of quality work. Therefore, the introduction of AI technology in every aspect of life, promises of an error-free world. It is so since machines can work consistently without tiring, unlike humans, speeding up the processes of performing the tasks and offers accurate results. It is clear that AI has brought about increased production in production industries due to their ability to perform different roles (Brynjolfsson & McAfee 2014). Additionally, AI is used in companies in management system where they are used to keep employees' records, extract data that helps in decision making. Majorly, the role of AI has enabled processing and production industries to complete their tasks in good time and enhance business development.

TIME SAVING
Time is of great essence in today's world, and people are willing to develop machines that help in saving time. According to Gurkaynak and his colleagues (2016), AI has proven to save time and adequately maximize on every minute. It can do several tasks at a go efficiently and at a higher speed compared to humans. Similarly, they can collect data and offer solutions to the problems through the analysis of the same data much faster than humans (Brynjolfsson & McAfee 2014). Seemingly, the AI technology can do so far more than humans can do. Also, with AI, repetitive tasks have been eliminated which human spend much time trying to remove. Through AI, employees no longer work on repetitive tasks but instead concentrate on more complicated issues (Makridakis 2017). Therefore, AI has brought about changes that have significantly improved on our daily lives.
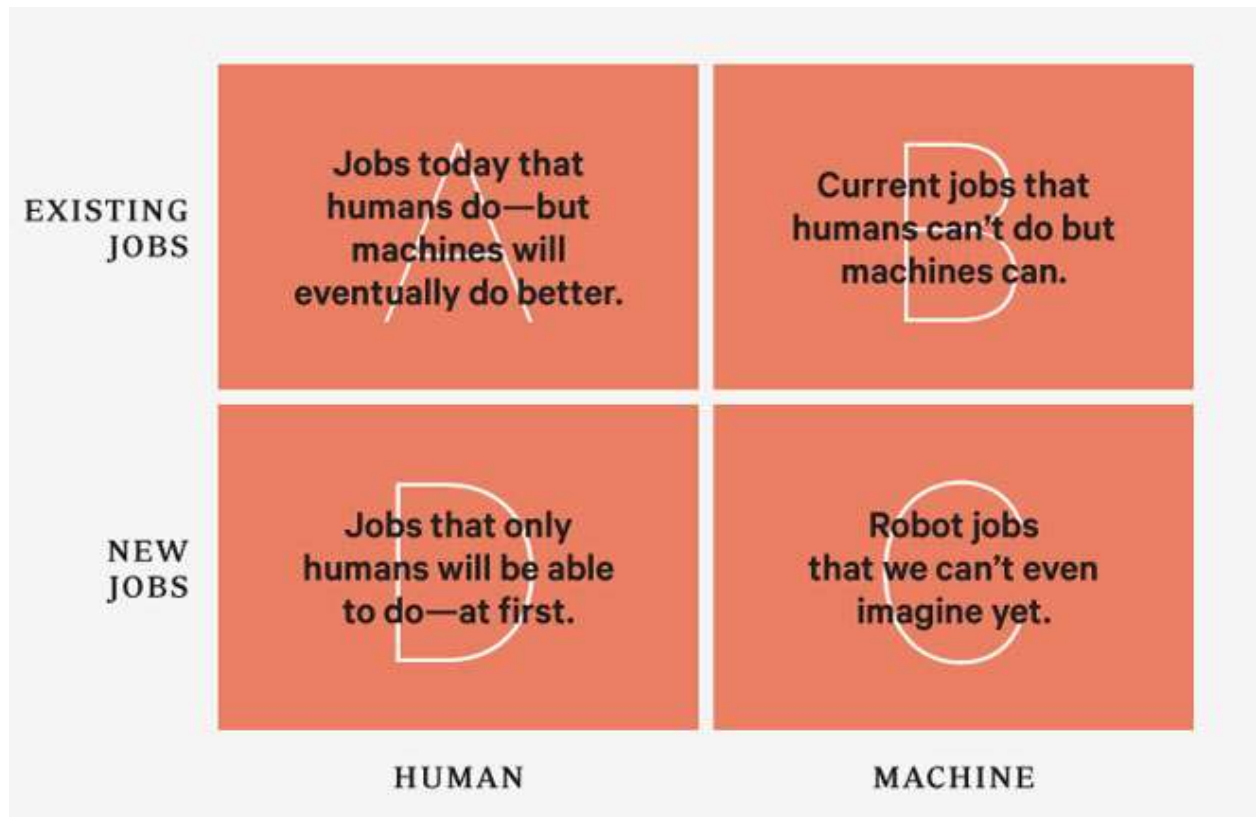
Figure 3: Relationship breakdown between humans and machines/robots.
Source: https://www.wired.com/2012/12/ff-robots-will-take-our-jobs/

CONCLUSION

In conclusion, artificial intelligence has substantially improved on people's lives in different ways, and people are not the same as before the introduction of AI. As discussed above, implementation of AI has led to time-saving which in turn has led to increased output from the businesses and day to day human activities. Moreover, development of AI has directed to the reduced human effort, computerized methods, automated transport system and involvement in dangerous jobs. Evidently, AI has dramatically influenced the people's lives and done wonders to help in the automation process of almost all their activities. Much of these methods take a lot of time and manual labor to complete. With AI automation of these processes will contribute a lot to the actual activities of the people and industries and enable moving forward.

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