

Executive Summary

This artificial intelligence assignment explores the technique that is widely used in the technical world. The use of artificial intelligence is also involved in the business field and for the establishment of the new business.

Therefore, Artificial Intelligence involves many technological features that cover all the different areas. Some of the areas that use artificial intelligence technique are like deep learning, predictive analytics, process automation, speech reorganization etc.

This technology gives the two main reasons for the use of this technique in the market and also its importance in the future scope:

The use of this technology artificial intelligence in the market for the increasing effects of human employment

This technology helps to develop the implementation of smart cities, developments in medical science, special effects in movies and also used in the business as a back office work.

There are some rumors about the use of artificial intelligence is that this technique controls to stop an unprincipled conquest by machines over humans. Artificial intelligence is also recognized as machine intelligence. It makes the machine capable of doing more work and helps human to solve the problem of doing hard work. Improvement in the field of artificial intelligence in the short term and in the long term goal provides the opportunities for the development of digitization in the digital market. Digital market improves the use of artificial intelligence to make the life more easy and interesting. This technique is recognized as a machine-friendly technology to make the work more in a simpler manner.

In addition, the importance of the technology and its advantage and disadvantage in the market for the future scope and improves the risk analysis of the Artificial intelligence in the digital world. Risk analysis with the artificial intelligence technique, includes the extra improvements in the field of robotics, job loss from AI, medicinal issues, accountability, supermodels like Sofia all these are the example of risks in the field of artificial intelligence in the future. In this report understand the role of artificial intelligence in the human's life and its importance in the business marketing.

Introduction

1.1 Organizational Framework: This Artificial Intelligence Assignment assignments has been prepared by our IT experts from top universities which let ensures we deliver reliable IT management assignment help service. Technical Intelligence is the company based in Sydney (technical intelligence, 2005). This company is basically an artificial intelligence company that is used to develop the use of artificial intelligence models. The company currently works on the model of classroom automation. This model is in running stage and involves overall control of security systems, audio or video display, types of lightning, sensor etc.

The company TI introduces the projects on robots and other automation areas. This company uses the software according to the requirements. This company is recognized as the head of ICT in a large logistic organization. TI is having a collection of staff's approx 200 and also has various branches in the other areas of Australia. This company provides end to end logistic company. The model of classroom automation is a good and defined project for the education system. Students get a large amount of profit through this project.

A great amount of positive feedbacks from the customers for the previous projects improves the development of the classroom model project. The future plan is simplified in two major sectors over the five years are:

Marketing strategy for the implementation of the products in the previous models or also in the current models

Improvement in the area of Artificial Intelligence in the automation area/ robotics that involves personal programs or healthcare issues

1.2 Objectives and Role: The main purpose of this artificial intelligence assignment is to give the reference of automation technologies in the TI, according to the flexibility of increased in the automation work in the business model with having an eye on the upcoming projects (Velik, 2012).

The main point or the goal of this report is to introduce about the artificial intelligence. This report also gives a brief notation on the automation area and their usefulness in the market. It also delivers the future scope of the company and the project model over five years that will take benefit from the ICT abilities to perform an advantage over the company's competitor.

Therefore, the above-mentioned features are the key objectives and rules for the development of the company.

1.3 Methodology: In order to study the concept of artificial intelligence, various journals, articles, reports and case papers have been used. Further, a wide search on the internet has also been carried out to learn about the current situation and future of the technologies as well.

1.4 Outline of the Report: The artificial intelligence assignment includes a widened study about artificial intelligence and its role in the logistics solutions. Further, five different types of AI has been used in this regards as well. In addition to investigating various examples in Australia and other areas across the globe, the project studies the contribution of AI across various industry fields. On the other hand, the report also proposes three AI-based applications for the chosen organization as well. Lastly, the report develops a list of recommendations in relation to the overall study.

Key Terminology

2. 1 Artificial Intelligence: This artificial intelligence assignment explores the use of machines that helps human for work in the business. It is a branch of science that deals with the use of machines which finds solution to multi-faceted problems in a more human-like style.

This usually includes the borrowing characteristics from human intelligence and applying them as algorithms in a computer-friendly manner. There are various different programs are introduced by the government for improving the works of artificial intelligence (Artificial Intelligence, 2018). Company use these government policies for the improvement or the development of the company

2.2 Automation: Automation is basically an allocation of human control purpose to control technological tools. Automation is the use of control systems and in arranges knowledge dropping the need for human involvement (Automation, 2018).

3.0 Current Application:

3.1 Reason or the Importance of AI: It is noted that Artificial Intelligence is an important part of the digital world. Computers are basically well used in performing automatic working out, using fixed program rules. This makes the artificial intelligence tools to execute simple droning tasks professionally and is also dependable in nature (Artificial Intelligence - Overview, 2018).

3.2 The Five Different Types of Applications Using AI: There are some applications of artificial intelligence are as follows:

Professional Arrangement

Natural Language Processing

Words Acknowledgment

Computer Apparition

Robotics

Professional Arrangement: Professional Arrangement of a computer program is designed to react as a professional in a particular province. Theses professional arrangement is presently considered to support experts and not to replace the work. These arrangements are used in different areas like medical analysis, chemical examination and geographical explorations etc.

Natural Language Processing: Natural language processing terms as the language used in the technology should be understandable by the humans and the natural generation languages.

Words Acknowledgment: The basic method of interaction between the humans is the fetching of words. The main objective of words acknowledgment is to understand the methods and the concepts of the humans. Computers do not understand common languages, therefore to make a computer understand these acknowledgments of words this application is very important.

Computer Application: Computer application or the vision is used to sense their environment. The main object of this application is to give the vision to the computer to sense the things and these features are helping to make the computer understandable.

Robotics: Robotics is one of the biggest examples of Artificial Intelligence. A robot is classified as an electronic device that works on the algorithms or the commands of the programmer. Human tasks and the multi-functions are done by the programmed electronic device called robots. This is an interesting project of the Artificial Intelligence (McCarthy, 2007).

3.3 Uses of AI in logistics operations: There are three uses of AI in logistic operation are defined as follows:

Harnessing data

Customs Brokerage

Predictive Analytics

Harnessing Data: A clear concept of testing or analyzing the data from the supply chain is identified by the method of harnessing data. It is well-known fact that a high amount of data is analyzed that supply chain generates on daily basis. This information may be structured or in the informed manner, artificial intelligence will make these enable to the logistics of the industries to exploit it (How can Machine Learning boost your predictive analytics?, 2018).

Customer Brokerage: The AI can computerize and go faster to the brokerage of the procedure in civilizing the boundary of error and generate more charge economy.

Predictive analytics: It is a form of go forward analytics that uses both new and chronological data to predict activity, performance, and trends. It involves being relevant arithmetical analysis method (Patrick, 2018).

All these operations that service that service the transport, warehousing, manufacturing and mining industries.

Market Opportunities for TI

4.1 New Markets (Asia): Asia is recognized as a growing market that promotes artificial intelligence. It is noted that the use of the TI as can successfully expand into the nation and shall gain a lot of competitive edge factors with the help of the AI technologies. In addition to enhancing system automation, the technology enables fastening of operational processes as well. Further, the firm can successfully take of employee shortage situations. The integration of AI in the company shall also contribute towards enhancing product quality.

On the other hand, in countries like China, the government has taken a deep interest in investing towards increasing the presence of AI across the nation. It is noted that there exists a huge potential for business development in the market. Being a large country, firms tend to enhance building up competitive edges over rivals. This can be seen as an opportunity of AI in the nation.

4.2 Organizational Learning and Problem-Solving: Artificial Intelligence is a field of study dedicated to complex problem-solving. Learning in the area of AI is machine learning and its approaches. Deep learning is also one of the main features of the artificial intelligence. TI as a business can gain a lot from the features of the artificial intelligence, which are, involvement in the game factors, Image colorization is also included in the artificial intelligence feature, connections with transport systems, Generating images by text is also an example of artificial intelligence.

Speech or words, images, videos all are related to the artificial intelligence. Language issues and other kinds of reinforcements of learning generate the future of the artificial intelligence. There are various research has been organized for the wellness of the future scope of the AI. This is another factor that will act as an opportunity for TI.

The computer vision is also an important application of the artificial intelligence. This feature has many different kinds of tasks like image generation, image captions, image style transfers etc.

Artificial intelligence is all about the study of super-human style performance of the computer electronic device. Deep learning refers to the super-human quality on simple perceptual tasks. To understand human performance and estimate the followings are used for the device performance like object detection, face detection and emotional classification, food re-organization, activity reorganization, and the computer visions are examples of the artificial intelligence (Future of Artificial Intelligence – AI Scope and Career Opportunities, 2018). It is noted that all these characteristics shall significantly contribute towards enhancing systems and operational processes of the organization. Additionally, future scope of improved speech, voice and image quality with the improved electronic device will be taken into consideration by the management of TI for business growth and development. The personal assistants will become more personal and context awareness. More and more systems will run exactly on point.

Advantages and Disadvantages

The company's strength in artificial intelligence is to introduce the new and modern featured models. The artificial intelligence assignment analyzes the needs and then develops the solution with the help of artificial intelligence. The working and introduction of the devices in this digital world for the collaborations of the systems enhance the artificial intelligence. This type of system is analyzed in the company present scenario. There are various different programs are introduced by the government to improve the works of artificial intelligence. The artificial intelligence assignment reviews government policies for the improvement or the development of the company. All the growth including the development of workers is dependent on the enhancement of the employee (Advantages and Disadvantages of Artificial Intelligence, 2018).

This technology is used in the internal market for reducing the hard work of the people. This technology introduces the era of digitalization in the market. The digital market is easy to use and fast to respond. This makes the system in a good and in a great way for the improvement of the knowledge of the new technologies (Technology and Innovation for the Future of Production: Accelerating Value Creation, 2017).

There are some advantages and disadvantages are described below:

Advantages

They will almost certainly be more and more used in the ground of medication

Knowledge-based expert system, which can cross-reference symptoms and disease will greatly improve the accuracy of diagnostics.

Object reorganization will also be a great aid to doctors,

Along with image from X-ray machines, they will be able to get a preliminary analysis of those images.

This, of course, will be possible only if people solve lawful questions that arise by giving power to a machine to control or influence the health of a human.

Improvement in the digital world

Make multiple profits by producing a number of products.

Reduce hard works of the common employees.

Disadvantage

Excess use of electronic devices

Low physical work, improve deceases

Hazardous to use the more electronic devices for the children

Create a gap between the human relations

Radiations and harmful materials harm the environment.

Chances of more radio-active disease problems.

Risk Analysis

6.1 Positive and Negative Views: There are some positive and negative views of artificial intelligence (The Positive and Negative Effects of Artificial Intelligence on Our Lives, 2018). Positive scenario is to take the company and the individuals in the digital world. Low-cost problems in doing any electronic programs. This artificial intelligence study introduced a good and powerful study for improving the work stamina and reducing human pressure. However, at the same time, there are some negative points also that concerned about the features of the system of AI. The negative impact of this study is the negativity of the minds of people to not work. Physical work is dropping down, which is harmful to the human health. The connection or the interaction between the people keeps going less. People have no times for others and take their decision individuals. These are the things which create negative impacts because of the excess use of Artificial intelligence.

6.2 Safety, Social and Ethical Deliberation: The Safety, social and the ethical consideration is very important for the human life security. There are some findings are allocated in the table below with problem types, causes and their responses (Dignum, 2018).

Class

Problem Types

Reason

Reaction

Industrialization

Mechanical

Electrical

Thermal

Noise Pollution

Bad infrastructure design at the workplace

Separation of humans during the process

Proficient and Individual service

Social

Ethical

Physical

Immediacy to humans

Operating Surroundings

Over ascription of human uniqueness

No new sensor developed

Design approach reducing size, mass and forces.

Mutual and personnel management

Physical

Mental Health

Ethical

Safety principles

Authority and power limiting

Separation and speed supervising using nearness sensor.

Table: Risk Analysis

6.3 Other Risks: There are some other risks in the use of artificial intelligence are described below:

Safety: The safety of the human life is very important and one of the important risk in the digital world of artificial intelligence. Safety is necessary for the use of electronic devices, however, these devices emit harmful radiations. These harmful radiations are hazards for the human health and also increase harmful radiations in the environment.

Lawful: All the works should be legal in the concerned with government policies. There are various discussions that raised the case of artificial intelligence and its use in the market. The government has made some rules and values and some limits for everything. Excess use of this gives harmful effects. During any wrong thing, the government has to take actions. Therefore, to use the work legally is very important.

Both this risk issues need to be taken care of by the management of TI business for the better results in the production as well as in the international market level (Application of Artificial Intelligence to Risk Analysis for Forested Ecosystems, 2018).

Conclusion

The main motive of this assignment is to give the reference to the organization AI and to its management about the improvement of automation in the company in the market field. This artificial intelligence assignment describes all the issues of the artificial intelligence. The importance of artificial intelligence in the market and its uses. This report also describes the features of using digital devices and their usefulness in common lives. However, the harmfulness of the electronic devices and the excess use of it are also introduced.