

The Future of Cloud Computing and Artificial Intelligence

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ABSTRACT

It has been found in this paper recent days digital technology has had a great influence on people's regular life where it provides lots of opportunities for both their personal and professional life. Constructive theory helps to learn the characteristics of newly designed technologies and provides information on its multiple implementations. Moreover, it seems that the secondary data analysis process helps in collecting scientific data based on the research topic. Along with this, it also finds that this paper focuses on every challenge and benefit that organizations face due to the implementation of computing and artificial intelligence.

Acknowledgment

I would like to express my special thanks of gratitude to my teacher who gave me the golden opportunity to do this wonderful project on the topic, which also helped me in doing a lot of Research and I came to know about so many new things I am thankful to them. Secondly, I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited period.

I. CHAPTER 1: THE PROBLEM AND ITS BACKGROUND

1.1 Introduction

Last two decades, organizations and households have managed good quality computing and artificial intelligence every day. This chapter helps to find how different computing resources help an individual fulfill market demands and which types of problems can occur in the security process.

1.2 Background of the Study

Innovations take cloud computing to a different level, it provides good security to people's

lives, and along with this, it increases the chances of crime across the world. These days many home security systems are used through mobile applications to prevent issues like fire detection, robbery, and more.

1.3 Research Aim and Objectives

This study aims to identify the benefits and drawbacks of using computing and artificial intelligence in the future.

Objectives

- To figure out all positive and negative outcomes of using computing and artificial intelligence (AI) in future
- To analyze how digital technologies and AI fulfill the market requirements in a critical situation

1.4 Problem Statement

The main problem of this study is to identify the problematic area of implementing AI and digital computing in households or organizations.

1.5 Significance of the Study

This study is very significant for the following:

It helps an individual to get knowledge on how digital security responds quickly in any problematic situation or any crime scene. Along with this, the study will help to gain an understanding of software applications in any specific situation.

II. CHAPTER 2: REVIEW OF RELATED LITERATURE

2.1 Introduction

Nowadays people believe that smart homes and smart organizations are the main themes of living and for this artificial intelligence is very effective as a part of modernization. Moreover, this chapter can provide knowledge on how digital technology influence safety, economy, health, data security, and others.

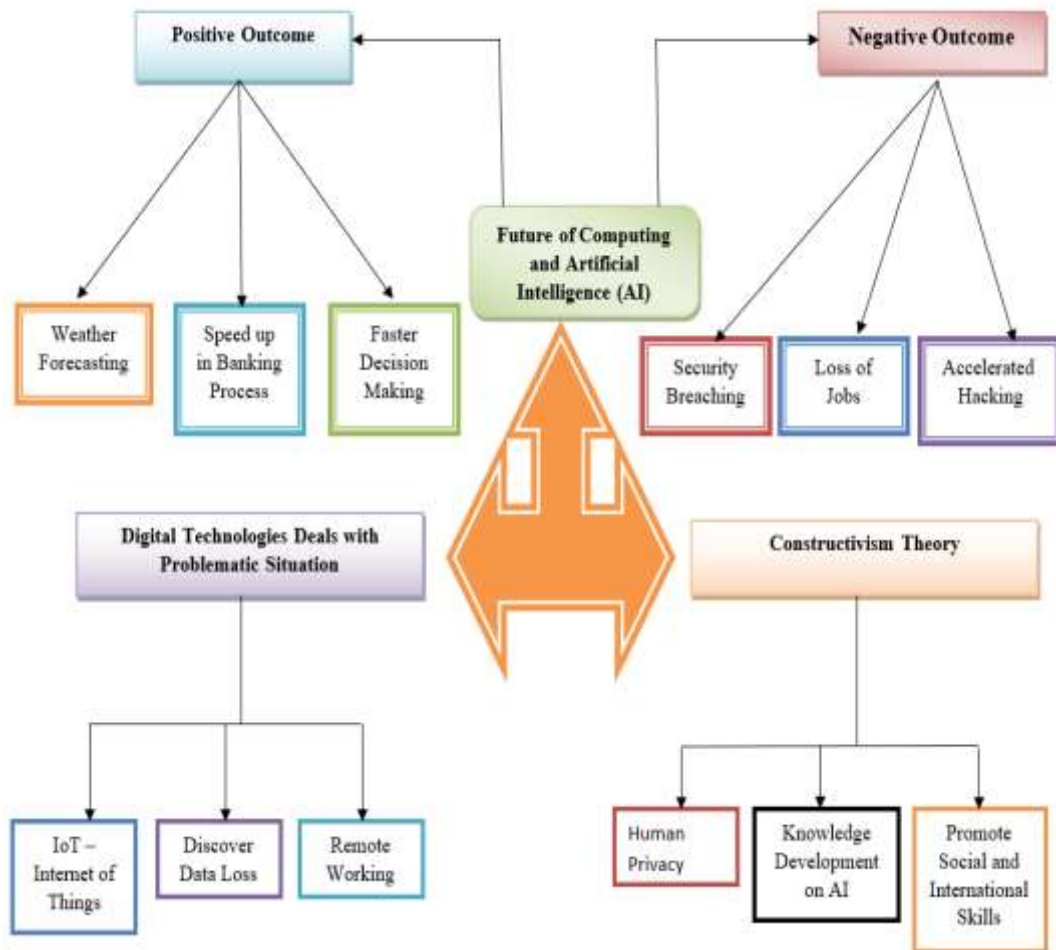


Figure 2.1: Conceptual framework

(Source: Self-created)

2.3 Positive and negative outcomes of using computing and artificial intelligence in the future to maintain household or organization

Artificial intelligence is a computerized system that can quickly learn, think, and make people’s lives better in different sectors. As argued by Gill et al. (2019), the implementation of a computing and artificial intelligence can provide many advantages for making people’s lives. For a

better future, it helps to reduce human error (for example, Weather forecasting using AI to prevent the majority of human errors), help in repetitive jobs (in banks AI increase the speed of verifying customers' documents), makes decision faster (after implementing automation in CPU it makes the system faster) and more.

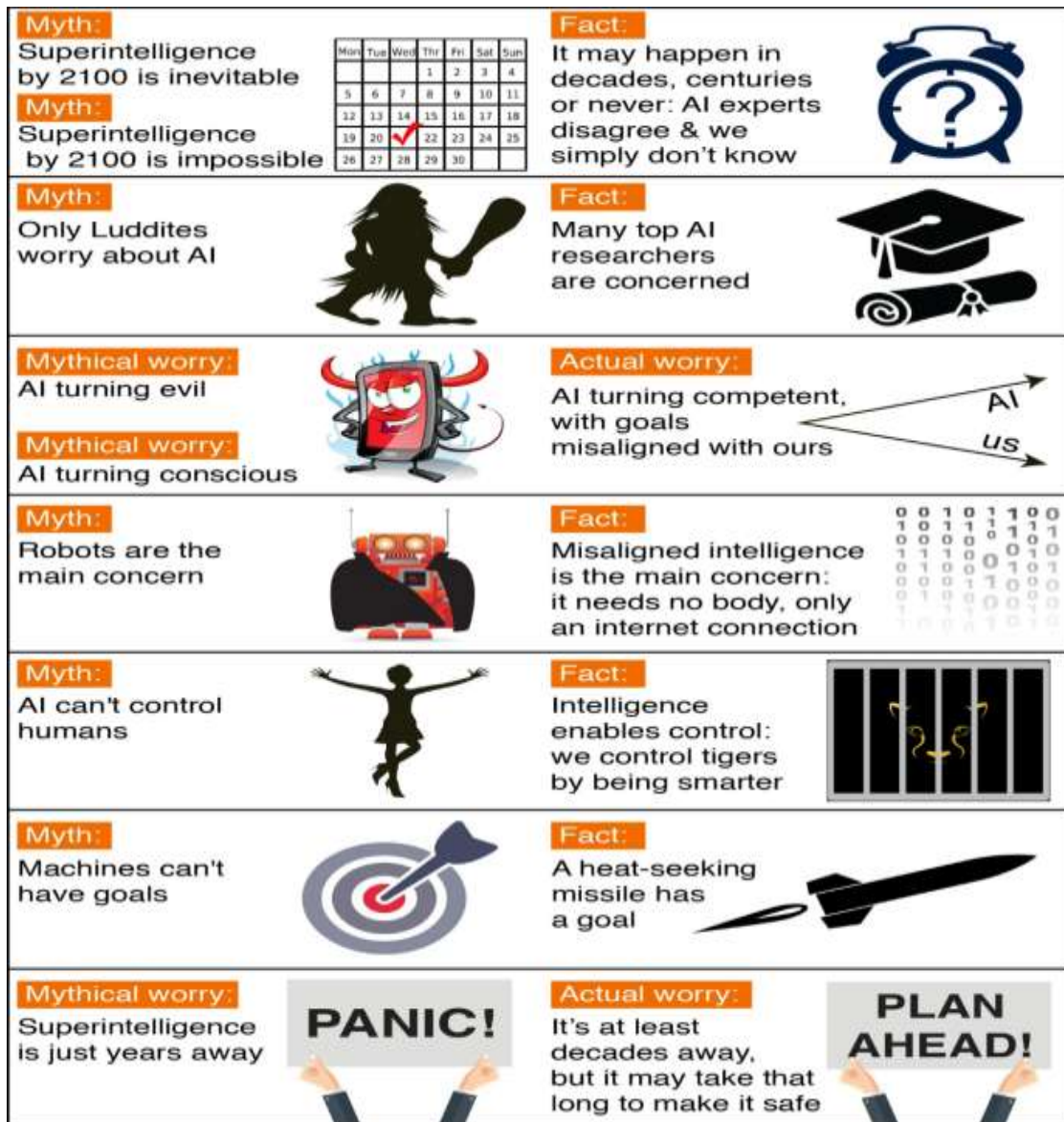


Figure 2.2: Positive and negative outcomes of using digital technology
 (Source: Deng et al. 2020)

On the other hand, also stated by Deng et al. (2020), using AI in every security system can increase the cost of the service or products, become the reason for unemployment, and also increases the chance of data loss.

2.4 Impact of market requirements on digital technologies to deal with any problematic situation

Digital technology like cloud computing, IoT ("Internet of Things"), AI, and others can solve

market challenges more quickly than a worker can. As stated by Lu (2019), AI has a greater effect on the future trends in the business world and it is responsible for making a drastic change in productivity ratio. According to the author, it can states that it has many positive impacts on the business world including finishing tasks faster, discovering lost data, maximizing target market, remote work, and others.

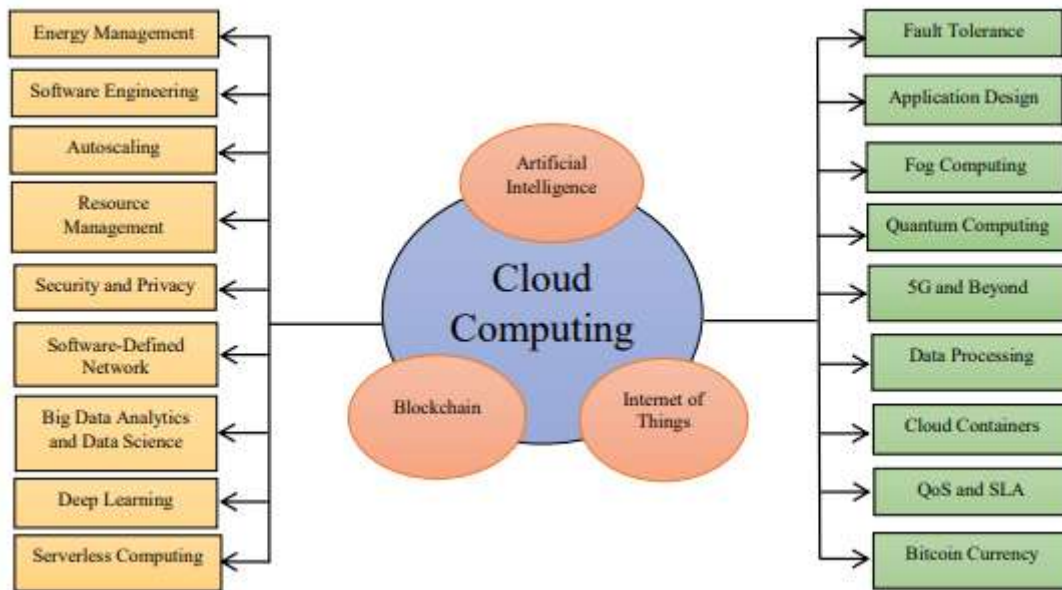


Figure 2.3: Impact of cloud computing

(Source: Yu et al. 2019)

Most organizations like TESLA and BMW implement AI in their newly designed products to attract customers to their platform and try to solve problems through digital applications. On the other hand, Yu et al. (2019), stated that using AI and computing systems increases terror and crime more and disconnects people socially. Along with this, it creates concern about copyright and plagiarism and increases concern for human privacy.

2.5 Theoretical Application

Constructivism Theory:

The Constructivism Theory focused on learning good and real learning data that is based on newly designed technology. This theory promotes social and international skills while learning new technical languages by sharing group opinions (Yu et al. 2021). In a reputed organization, this theory is used to construct employees' knowledge by gathering effective information on a specific technology. The integration of knowledge development on AI and machine learning can be easily developed with this theory.

2.6 Literature Gap

While analyzing the previous article it finds that most of the articles focus on the blockchain and computing system rather than AI that influences the future of cloud computing systems. There is less information on how to

prevent issues related to AI implementation under sustained success and market development.

III. CHAPTER 3: DESIGN AND METHODOLOGY

3.1 Introduction

In terms of making this chapter researchers took the help of different articles, books, and journals that helps to make the study focus on the appropriate research approach, philosophy, design, data collection process, and others.

3.2 Research approach

All results are collected through a deductive research approach, which is mainly focused on collecting scientific data based on research theory. While analyzing the impact of digital technologies on work culture leads to a market investigation by managing the e-general process and by maintaining relationships with market variables and research topics (Yassine et al. 2019).

3.3 Research Philosophy

This study collects most of the information in a systematic way and for this interpretivism research philosophy has been used in this project (Wetzstein et al. 2020). This philosophy is mainly used to identify challenges that are interrelated to computing and AI.

3.4 Research design

This study followed an exploratory research design to collect what benefits households and organizations collect after implementing computing technology in their infrastructure (Deng et al. 2020). Hence, to make this paper is focused on both the positive and negative impacts of digital technologies, and the barriers that households and organizations face due to implementation.

3.5 Data collection and analysis

This full-text study is based on a secondary data collection process, which helps an individual to easily get a narrative view of commuting and AI performance (Yu et al. 2021). Hence, to make data analysis of collected data, a qualitative analysis has been used in this study, and that help to understand the positive and negative outcome of AI and computing.

3.6 Ethical consideration

While making this paper it is ethically considered that the attributes of ethical consideration include “results in communication”, “anonymity”, “and the potential for harm”, and “informed consent” is highly maintained in the study (Gill et al. 2019). The approval of authors and previous researchers is also taken into this aspect. It has been also assured that those original data have not been misused which helped to complete this secondary research.

IV. CHAPTER 4: RESULTS AND DISCUSSION

4.1 Introduction

This chapter focuses on how households and organizations successfully implemented computing and AI in the future to get a better future. Along with this, it also discussed all challenges (data security, living vitality, compilation risk) and positive impacts (social connectivity, automation, and flexible storage) that can occur through digital technologies.

4.2 Thematic Analysis

Concept of using digital technologies to get a better future

The basic requirement of using digital platforms is to make the workplace better. AI is the system that will help a business to maintain a new business structure in any changing market. As per the views of Tiwari, Bharadwaj & Joshi (2021), while analyzing the market it can find that there are lots of computing technologies that can change the future of this generation including Extended Reality (XR), Artificial intelligence (AI), Virtual

reality (VR), Ubiquitous computing and others. The main reason for using this technology it helps to finish the task as soon as possible by using robotic process automation.

A better solution to implement digital technologies in regular life

This study suggests that for managing a successful implementation of digital technologies some specific key factors need to be followed including providing a strong password, using minimum technology at the same time, incorporating automation tools, using time properly, and more (Ahmed & Mähönen, 2021). Along with this, it was also found in a market investigation that organizational leaders need to define the strategic direction to align the workplace with computing technology.

4.3 Discussion

It has been analyzed that computing and artificial intelligence can provide a better life by finishing work fast in regular life. Moreover, it has been estimated that organizations have to become aware before implementing any digital technology in their workplace to prevent data loss.

V. CHAPTER 5: SUMMARY, CONCLUSION, AND EVALUATION

5.1 Summary of Findings

By analyzing the whole project it can summarise that automation and computing technology is the future of the next generation. Most people prefer to use AI and other digital technology in their personal and professional life to make them better.

5.2 Conclusion

Hence, it has been concluded that organizational leaders need to observe customers' social media activity for making successful implementation of computing. Based on findings it can state that to prevent data loss people need to gather more information about newly designed technologies with their usefulness.

5.3 Future scope

This study provides lots of information on the application, benefits, and challenges of using computing and artificial intelligence in the future. After evaluating the paper organizational managers understand which area they need to reconstruct while setting digital languages in their workplace.

5.4 Recommendations

The study is recommended that organizations need to be maintained the use of AI technologies in their workplace to reduce crime and

data losses from their infrastructure (Yassine et al. 2019). Along with this, it is also recommended that to enhance the digital system, a project designer can add recording features for getting detailed reports of an incident.

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