

Role of AI in Decision Making and Its Socio-Psycho Impact on Jobs, Project Management and Business of Employees

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Abstract

This study expects to research the jobs and effects of artificial intelligence on project executives. An inductive strategy for writing an investigation was utilized to build a theoretical system. Secondary data collection such as articles, reports, and case studies from relevant academic databases, industry journals, and online sources were mainly gathered. The four fundamental subjects that mainly contain the recognized type of jobs and effects of artificial intelligence in projects the executives act as the establishment for the structure like Data analysis and prediction, support for decision-making, improved collaboration and communication, and routine tasks can all be automated. This study mainly reveals that artificial intelligence has a significant impact on project management and plays a significant role in it. It has the potential to transform project managers by enhancing collaboration, accuracy, and productivity. However, there are challenges associated with the integration of artificial intelligence, such as job displacement and ethical considerations. The roles and effects that AI plays in project management are significant, and businesses ought to keep investigating and implementing these technologies while ensuring that they are used in an ethical and responsible manner.

***Keywords:** The main seven keywords based on the particular topic are Artificial intelligence, project management, roles, impact, automation, decision making, and risk management.*

Introduction

This section mainly demonstrates the overall introduction based on the research topic. By automating routine tasks, facilitating faster decision-making, and enhancing team members' collaboration and communication, artificial intelligence (AI) is transforming project management. Computer-based intelligence-fueled project board instruments can investigate information, anticipate project results, and suggest answers for likely issues. This innovation is additionally equipped for gaining from past activities, further developing precision and productivity in later undertakings. However, the incorporation of AI into project management raises ethical and job displacement concerns as nicely. In this unique circumstance, it is critical to comprehend the jobs and effect of artificial intelligence on project the board to outfit its advantages while limiting its expected dangers.

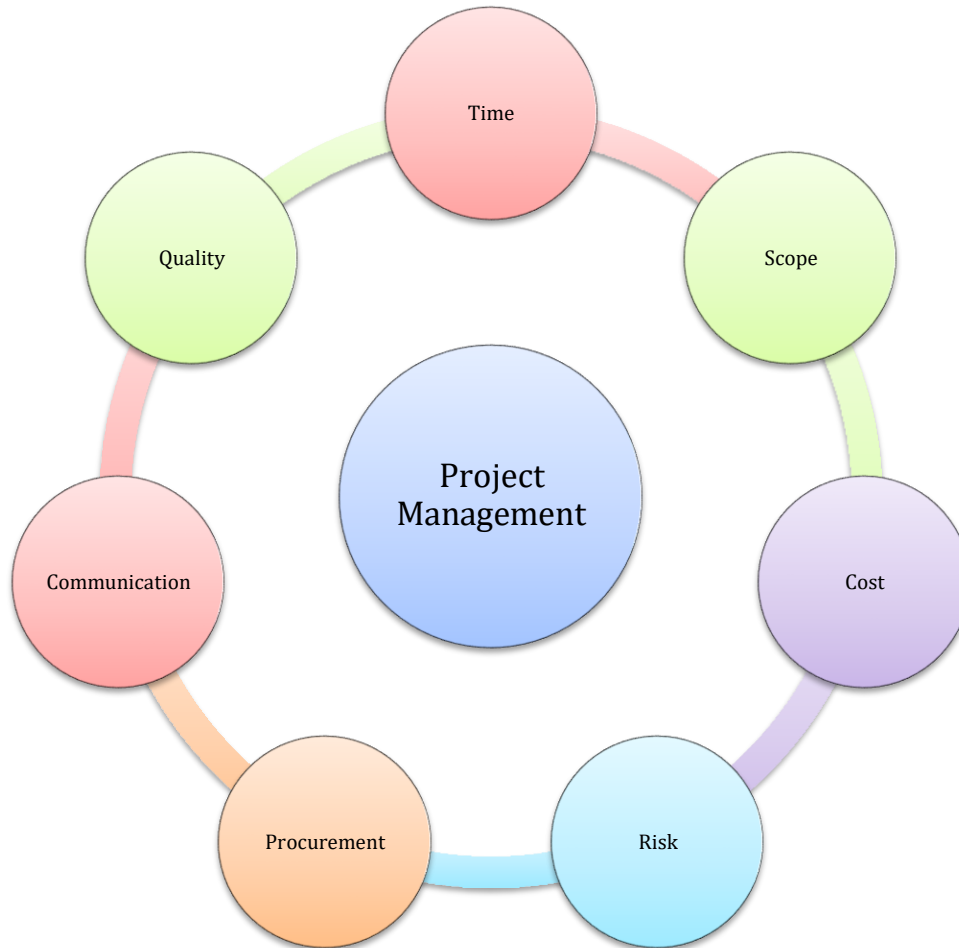


Figure 1: Artificial intelligence and project management increase success rate

(Source: Self-created in MS-Word)

Literature review

This section mainly defines the review of the various types of relevant literature. The various types of relevant literature mainly come from the various types of relevant secondary sources. So the relevant secondary sources are mainly given below.

According to Gil *et al.* 2021, The field of artificial intelligence is right now going through relentless development, with endless models showing up in the innovative work stage in different fields like science, money, and design. The authors of this work talk about a variety of project management learning strategies. Hybrid systems with computational models for mixture-learning methods are the primary focus of the analysis. The scientific community will need to put in a lot of effort to develop these models because they are still in their very early stages (Gil *et al.* 2021). In addition, it provides a taxonomy of each subfield of project management, a description of the subfield of project management in which various artificial intelligence agents and techniques are utilized, and a brief description of those subfields. Researchers interested in exploring the exciting field of artificial intelligence in project leadership and management should use this study as a starting point.

According to Victor, 2023, Machine learning and artificial intelligence are already widely used in business, but their impact on project management is only beginning to be seen. This happens despite the fact that these two innovations have been around for a long while. Based on the right AI input, this report provides insights into how artificial intelligence is affecting projects and how it will transform project management in the future. The motivation behind this report is to add to grasping the effect of artificial intelligence on projects (Victor, 2023). This report's goal is to help readers better comprehend how artificial intelligence affects various initiatives. The

most crucial aspect of future project management, which is unrelated to either theme, has nothing to do with the outcomes of management cases or AI. This aspect is unrelated to either. This is very similar to the theory of evolution, which states that those who are certain to survive will be the most adaptable to changes.

Materials and methodology

This study means to investigate the jobs and effects of artificial intelligence on the project of the board. In order to construct a conceptual framework, this study employs an inductive method of literature analysis (Kamilu *et al.* 2023). Articles, reports, and case studies from relevant academic databases, industry journals, and online sources are gathered through secondary data collection. A subjective plan is utilized to dissect the gathered information and decipher the discoveries. It is based on the interpretivism philosophy, which places an emphasis on comprehending the subjective experiences and meanings of human factors that are involved in the phenomenon being studied. Reading and rereading the collected literature, identifying themes, concepts, and patterns, and interpreting the data to develop insights are the components of secondary analysis. Coding and classifying the data into themes and sub-themes, which are then combined to create a conceptual framework, are all part of the data analysis procedure (Pan and Zhang, 2021). The four main themes that comprise the identified roles and impacts of AI in project management serve as the foundation for the framework: routine tasks can be automated, as can data analysis and prediction, support for decision-making, and improved collaboration and communication. The discoveries of this study uncover that simulated intelligence plays a critical part and affects project the board, which can possibly change project executives by further developing productivity, precision, and joint effort. Still, the incorporation of artificial intelligence likewise acts as difficulties such as work relocation and moral contemplations [Referred to Appendix 1].

Results and Discussion

This section mainly defines the results and also defines the discussion part based on the roles and impact of artificial intelligence on project management research topics. Here mainly done the secondary analysis through the relevant literature which is given below.

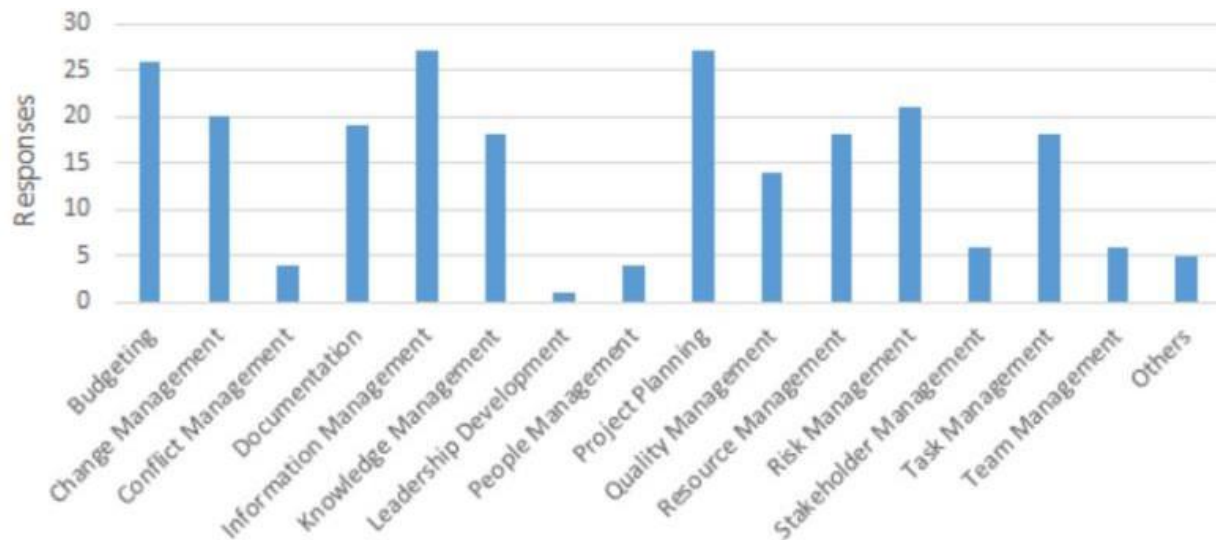


Figure 2: AI improves all the activities of project management

(<https://www.ntaskmanager.com>)

Above figure also defines or visualizes the overall improvement of AI over all the activities of project management. Based on the figure or depending on the responses Information management, budgeting, and project planning are the most vital part of project management (Prifti, 2022). So most people mainly said that Artificial intelligence mainly impacts the activities of project management. Not only these things but also AI can also have various types of impacts on change management, documentation, knowledge management, quality, resource, and risk, and AI also improves task management in many ways which is the main part of project management.

How Companies Around the World Are Using Artificial Intelligence

IT activities are the most popular.

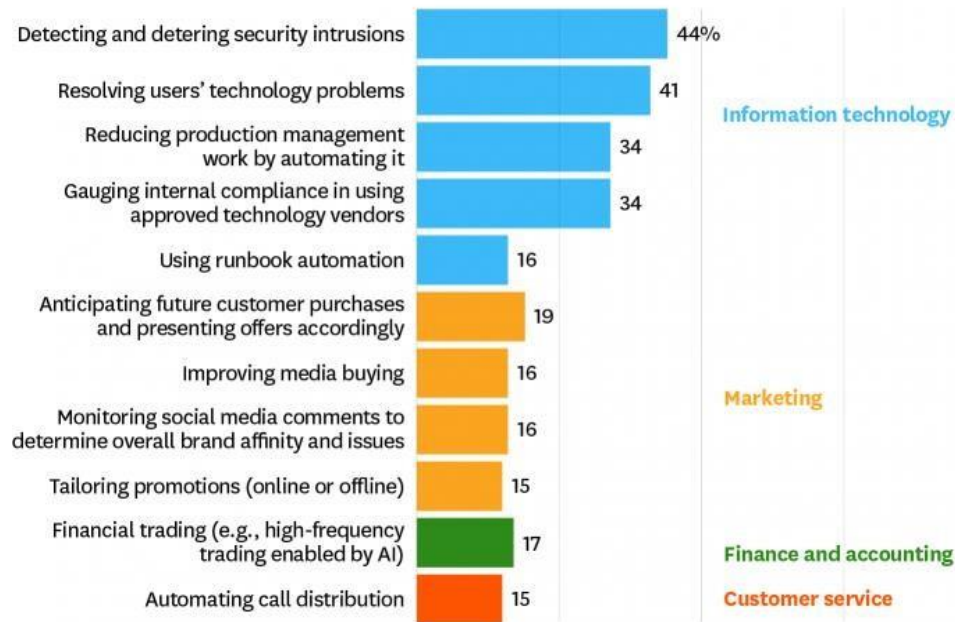


Figure 3: Usage of AI in project management

(Source: <https://www.ntaskmanager.com>)

The figure mainly represents the overall usage of AI in project management. So in various types of places, AI is mainly used for project management. AI is mainly needed in the project when mainly working with information technology, then AI is also needed in the project when doing any type of marketing (Radhakrishnan and Jaurez, 2021). AI has less impact on finance and accounting, and customer services. So in that position, AI is mainly needed for information technology which is provided in the figure. In information technology, AI is mainly used for detecting security intrusions, and technological problems. Not only this but also reduced production management work, and also usage of AI for runbook automation. It is also used for customer purchases and also used for presenting various types of offers. It is also used for increasing media buying (Buah *et al.* 2020). AI is also used for tailoring online and also offline promotions. In finance, AI is also used for financial trading and also as customer service, AI is also used for automating types of call distribution which is also an example that the impact of AI in project management.

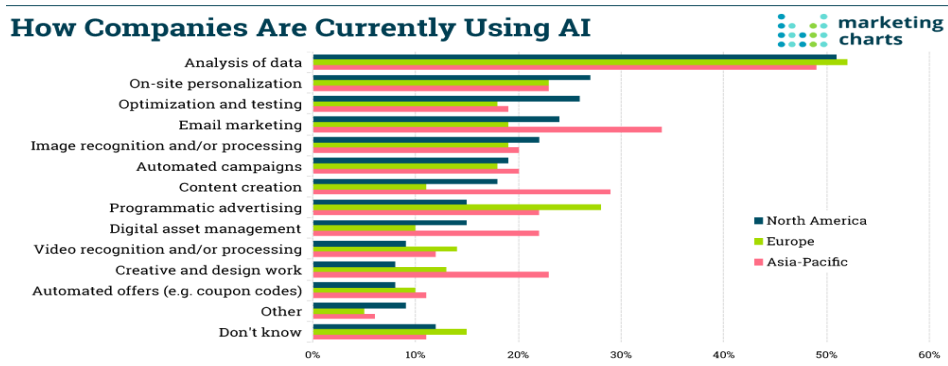


Figure 4: Techniques to use AI in project management

(<https://blog.orangesrum.com>)

Artificial intelligence can mainly help project management through various types of techniques. Through AI, project management is mainly developed very quickly day by day. AI is mainly used in project management for analyzing the overall data of project management. The figure shows North America, Europe, and also Asia-pacific mainly used AI for the data analysis procedure (Holzmann *et al.* 2022). After that, for the on-site personalization, all the countries mainly used AI for that thing also. Most of the people of Asia-pacific are mainly used Artificial Intelligence for Email marketing. Most of the people of Asia-pacific are also used content creation based on Artificial Intelligence. Not only these things but also optimization and testing, image recognition, automated types of content, digital asset management, video recognition, and creative and design types of work are also necessary for project management through AI.

Recommendation

Project managers should think about incorporating AI-powered project management tools in order to automate routine tasks, analyze data and predict outcomes, and improve team collaboration and communication. Nonetheless, it is essential to be aware of the potential dangers of AI integration, such as job displacement and ethical issues (Ong and Uddin, 2020). As a result, ethical guidelines should be developed and AI technologies should be implemented responsibly and openly by organizations. Project managers and team members should also receive assistance in adapting to the shifting technological landscape and effectively utilizing AI tools through training and up skilling programs [Referred to Appendix 2].



Figure 5: Importance of artificial intelligence in project management

(Source: Self-created in MS-Word)

Future scope and conclusion

This section mainly defines the future scope and also the overall conclusion based on the particular research topic. With advancements in robotics, machine learning, and natural language processing, AI is likely to become even

more important in project management in the future. By using these technologies to automate more tasks, enhance decision-making, and enhance team collaboration and communication, businesses stand to gain. In any case, moral worries and occupation dislodging stay potential difficulties that require cautious thought. Here mainly conclude that AI's roles and effects on project management are significant, and businesses ought to continue investigating and implementing these technologies while ensuring their ethical and responsible use.

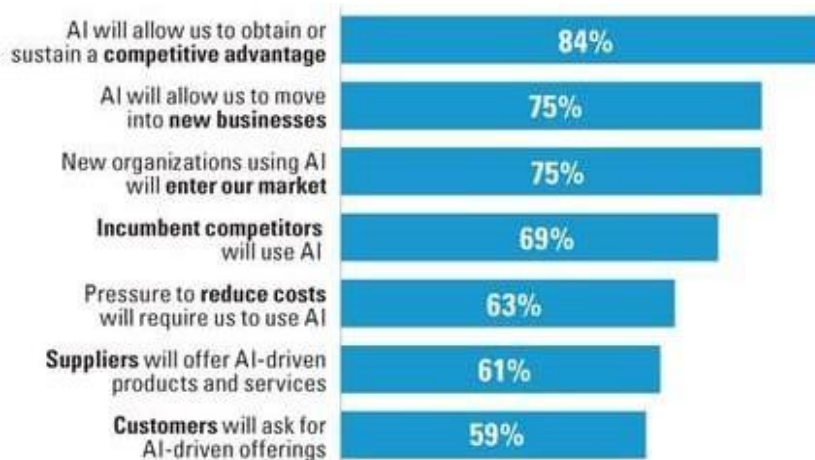
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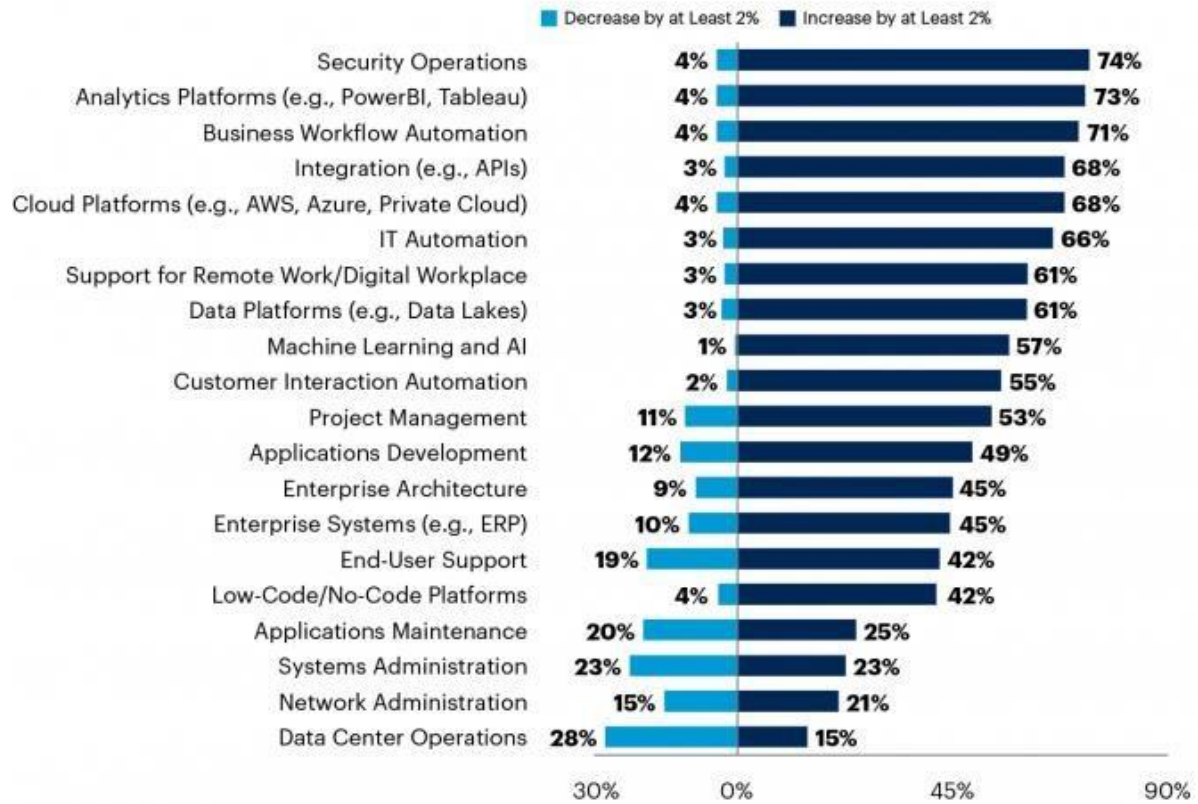
Appendices

Appendix 1: AI will change the future of project management



(Source: <https://www.workamajig.com>)

Appendix 2: Artificial intelligence can improve the project management



(Source: <https://www.ntaskmanager.com>)