



**The Impact of Artificial Intelligence on project
Management.**

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Abstract

The purpose of this study is to empirically evaluate Artificial Intelligence's (AI) impact on managers. The impact is evaluated on the different aspects managers' work tasks may include, such as administration, supervision and leadership. We used the descriptive analysis research design from other recent studies. Results clearly illustrated that AI will be an integrated part of future project management practice and will affect project management knowledge areas in the near future. According to the findings, AI will have less impact in knowledge areas and processes that require human leadership skills, such as developing and managing teams and the management of stakeholders. This work should serve as a starting point for researchers who wish to work in the exciting world of artificial intelligence in relation to project leadership and management.

Previous studies

Jesús et al., 2021. The application of artificial intelligence in project management research: A review. The field of fake insights is right now encountering tenacious development, with multitudinous models developing within the investigate and advancement stages over different areas, counting science, fund, and designing. In this work, the creators survey a expansive number of learning strategies pointed at venture administration. The examination is generally centered on half breed frameworks, which show computational models of mixed learning procedures. At show, these models are at an awfully early organize and major endeavors in terms of development is required inside the logical community. In expansion, we offer a classification of all the zones inside extend administration and the learning strategies that are utilized in each, showing a brief consider of the distinctive fake insights procedures utilized nowadays and the ranges of extend administration in which specialists are being connected. This work should serve as a beginning point for analysts who wish to work within the energizing world of fake insights in connection to extend authority and administration.

Farzaneh et al., 2024. Application of Artificial Intelligence in Project Management. Extend administration could be a complex handle that requires cautious arranging, execution, and control. Conventional strategies regularly battle with expansive datasets, unexpected challenges, and tedious errands. Counterfeit insights (AI) offers a transformative approach, upgrading different perspectives of venture administration. This paper investigates the current scene of AI applications in extend administration. We audit existing writing on AI procedures utilized for asset assignment, chance expectation, planning, fetched estimation, and communication. Following, we dig into the technique of

executing AI in extend administration, counting information collection, demonstrate determination, and preparing. We at that point talk about potential challenges and confinements, taken after by numerical comes about exhibiting the viability of AI in making strides venture outcomes. Finally, the paper concludes by sketching out the longer term bearings of AI in venture administration and its potential affect on the field.

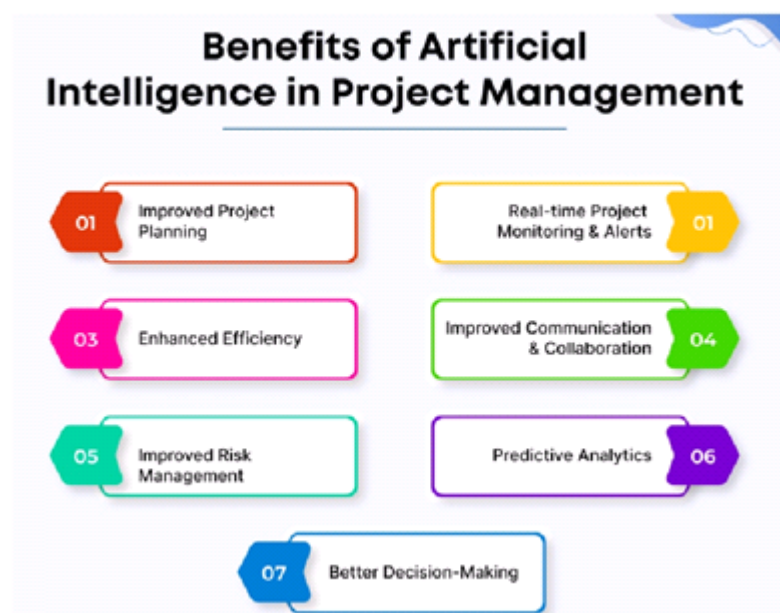


Figure 1 Application of artificial intelligence in project management

Gunnar et al., 2021. A conceptual framework for applying artificial intelligence in project management. Due to their characteristic oddity and uniqueness, ventures don't show up as a promising application space for the utilize of counterfeit insights (AI) at to begin with look. Since most AI strategies, particularly machine learning, require comprehensive sets of verifiable information, the benefits of applying AI to extend administration (PM) appear to be barely beneficial. Based on existing arrangements in hypothesis and hone as well as the comes about of an explorative meet think about in Germany, this article appears that AI can in any case make a profitable commitment to making

strides PM. For this reason, we display a framework that characterizes the basic concepts for applying AI to PM comprising both the necessities of AI for the application space PM as well as the prerequisites of PM for the arrangement space AI. Considering the two domains' shared necessities, the system structures the potential for the application of AI in PM and hence bolsters a focused on arrangement plan for commerce.



Figure 2 Iron Triangle of Project Management

Sofia et al., 2022. Artificial intelligence in project management: systematic literature review. Extend administration may be a common field in numerous businesses, and it isn't resistant to the developments that manufactured insights is bringing to the world. Indeed so, the application of counterfeit insights isn't that far reaching in companies and particularly not in all of extend administration zones. The reasons are not clear but appear to be related to the vulnerability of the application of fake insights in venture administration. The reason of this paper was to recognize the possibilities and impediments of fake insights within the particular zone of venture administration by doing a efficient writing audit with which it was conceivable to examine and correlate the chosen articles and reach some designs and propensities. Within the conclusion, it was clear that there's an expanded intrigued within the logical community in this field, in spite of the fact that with a few regions to investigate.

Muhammad and Teguh, 2023. Exploring the challenges and impacts of artificial intelligence implementation in project management: A systematic literature review. This paper presents a precise writing audit (SLR) exploring the challenges and impacts of actualizing manufactured insights (AI) in extend administration, particularly mapping them into the method bunches characterized within the Venture Administration Body of Information (PMBOK). The ponder points to contribute to the understanding of joining AI in extend administration and gives experiences into the challenges and impacts inside each prepare gather. The SLR technique was connected, and a add up to of 34 logical articles were analyzed. The comes about and examination uncover the specific challenges and impacts inside each prepare bunch. Within the Starting Handle Gather, AI apparatuses and examination procedures address challenges in hazard appraisal, taken a toll expectation, and decision-making. The Arranging handle bunch benefits from different instruments and techniques that make strides hazard appraisal, venture choice, taken a toll estimation, asset assignment, and decision-making. The Execution prepare gather emphasizes the significance of progressed apparatuses and strategies in improving efficiency, asset utilization, taken a toll decrease, and decision-making. The Observing and Controlling prepare bunch illustrates the potential of progressed devices in accomplishing productivity, fetched lessening, made strides quality, and educated decision-making. Lastly, the Closing handle gather emphasizes the significance of utilizing progressed devices to play down squander, optimize asset utilization, diminish costs, move forward quality, and extend closure victory. By and large, this investigate gives important bits of knowledge and methodologies for organizations looking for to execute AI in extend administration, subsequently upgrading the potential for victory inside the PMBOK Prepare Gather.

Mohammad, 2020. The last state of artificial intelligence in project management. Counterfeit insights (AI) has been utilized to development diverse areas, such as instruction, healthcare, and back. Be that as it may, the application of AI within the field of extend administration (PM) has not advanced similarly. This paper reports on a efficient audit of the distributed thinks about utilized to explore the application of AI in PM. This precise survey recognized significant papers utilizing Web of Science, Science Coordinate, and Google Researcher databases. Of the 652 articles found, 58 met the predefined criteria and were included within the audit. Included papers were classified per the taking after measurements:

PM information zones, PM forms, and AI strategies. The comes about shown that the application of AI in PM was in its early stages and AI models have not connected for numerous PM forms particularly in forms bunches of venture partner administration, project procurements administration, and extend communication administration. In any case, the foremost well known PM processes among included papers were extend exertion forecast and fetched estimation, and the foremost prevalent AI strategies were back vector machines, neural systems, and hereditary calculations.

Summary :

There are as of now exceptionally few AI-based arrangements that cater to the wants of particular work capacities such as that of venture supervisors. In this respect, a moment proposal is to create an AI-based arrangement for particular capacities such as those highlighted inside venture administration in this think about.

There are no logical speculations that offer assistance get it how a innovation that hasn't been completely caught on or created however can really influence capacities that are customarily dependent on cognitive input or human intuitive. Subsequently, a third suggestion is to create a hypothesis to assist get it the affect of innovations on such capacities.

In arrange for organizations to successfully implement AI-based arrangements and guarantee proficient human-machine collaboration within the future, it is imperative to create and execute methodologies particularly outlined for empowering the digitalization of work environments. The existing extend administration AI solutions in this regard frame a great beginning point for building models for long-standing time. Long-term working environment will unavoidably include people and machines working side by side and the survival of organizations depends on grasping this intensely changing environment as early as conceivable to oversee it viably.

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