

The Application of Artificial Intelligence in Project Management Research: A Review

Access to new resource related to AI and project management added to PMWL



Resource provided by [Diana Serikbay](#)

15 May 2022 – Almaty, Kazakhstan – Access to a new resource has been added to the PM World Library (PMWL) related to Artificial Intelligence (AI) and project management. The new resource titled “**The Application of Artificial Intelligence in Project Management Research: A Review**” is a paper by Jesús Gil Ruiz¹, Javier Martínez Torres and Rubén González Crespo published in the *International Journal of Interactive Multimedia and Artificial Intelligence* in 2021.

In this article, the authors raise the issue of the relevance of AI in the field of project management. The new proposals that arise in the field of artificial intelligence in various fields and areas are considered. Also, the authors reviewed different methods and tools to determine the most effective one in project management, in areas from the commercial development stage to the construction and commissioning stage, including its application in areas of operation and maintenance.

The authors focused their analysis mainly on hybrid AI systems with a mixed learning method. Algorithms and tools have been identified that can best handle a variety of project variables and complex environments, with specific algorithms tailored to specific problems in a project. AI instruments are more accurate than the traditional instruments, although they are somewhat complementary for the time being.

However, a stand-alone project management system will also have to take into account and fully monitor the project environment. It can be used to apply AI algorithms for psychological and emotional analysis, both to assess team performance and to assess client satisfaction.

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For PMWL Post

Jesús Gil Ruiz¹, Javier Martínez Torres, Rubén González Crespo. (2021). The Application of Artificial Intelligence in Project Management Research: A Review. *International Journal*

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of Interactive Multimedia and Artificial Intelligence 6(6). Available online at <https://www.ijimai.org/journal/bibcite/reference/2868> (Serikbay)

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