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A STUDY ON ARTIFICIAL INTELLIGENCE IN PRODUCTION **MANAGEMENT**

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ABSTRACT

Artificial intelligence and intelligent devices are becoming more prevalent in our daily lives. This tendency does not spare industry or production, implying the potential for traditional managerial functions to be gradually replaced. Despite the fact that the number of Ai technologies in operation continues to rise, the articles do not appear to give much thought to the long-term ramifications. This report offers the findings of a thorough literature evaluation on artificial intelligence in production management over the previous two decades, based on 74 articles in 5 sources. Process monitoring and implementation, as well as scheduling, are found to be high-interest applications in this regard, according to the review. Both jobs fall under the umbrella of typical managerial functions, and are thus likely to be handled by autonomous systems in the future. According to our findings, there are currently no management models available to portray the growing reliance on cyber-technical systems, and researchers must solve this issue in order to make way for tomorrow's production planning.

KEYWORDS: Artificial Intelligence; Production Management; Operations Management; Machine Learning; Data Mining; Management Model.

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