

Designing AI-Enabled Smart Maintenance Scheduler: Enhancing Object Reliability through Automated Management

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Abstract : In today's rapidly evolving technological landscape, the need for efficient and proactive maintenance management solutions has become increasingly evident across various industries. Traditional approaches often suffer from drawbacks such as reactive strategies, leading to potential downtime, increased costs, and decreased operational efficiency. In response to these challenges, this paper proposes an AI-enabled approach to object-based maintenance management aimed at enhancing reliability and efficiency. The paper contributes to the growing body of research on AI-driven maintenance management systems, highlighting the transformative impact of intelligent technologies on enhancing object reliability and operational efficiency.

Keywords : AI, machine learning, predictive maintenance, object-based maintenance, expert team scheduling

Conference Title : ICMAMS 2024 : International Conference on Management and Marketing Sciences

Conference Location : San Francisco, United States

Conference Dates : June 03-04, 2024