Artificially Digital:
Empowering B2B Enterprises with AI-driven Predictive Maintenance and Operational Excellence (PULSE)

NCMS Technology Showcase
FRC East

PROBLEM STATEMENT

- Organizations face operational inefficiencies, higher costs, and missed opportunities due to manual and reactive methods.
- Lack of advanced predictive tools impedes accurate forecasting capabilities.
- Fragmented data sources hinder comprehensive analysis and decision-making.
- Challenges in optmizing resource allocation lead to suboptimal performance and resource wastage.

BENEFITS

- Maximizes equipment uptime, reduces maintenance/ repair costs, and lowers unexpected production expenses, enhancing operational efficiency.
- Enables proactive maintenance through predictive equipment maintenance/failure forecasting, surpassing reactive maintenance approaches.

TECHNOLOGY SOLUTION

- Collects and analyzes historical equipment data and macro elements using ML algorithms.
- Seamlessly integrates data from diverse sources for comprehensive operational insights.
- Identifies potential failure patterns and provides proactive maintenance recommendations.
- Automatically implements end-to-end actions to streamline operations.
- Features an intuitive dashboard for easy monitoring and decision-making.

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