Next-Gen Lean ERP Systems for SMEs: Leveraging Project Management and Advanced AI Technologies for Sustainable Growth towards Viksit Bharat 2047

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Abstract: This comprehensive research explores the transformative potential of Lean Six Sigma-driven ERP systems for Small and Medium Enterprises (SMEs) in India. By integrating advanced technologies of Project Management and potential of Artificial Intelligence (AI), Machine Learning (ML), Blockchain and the Internet of Things (IoT), the research aims to enhance ERP functionality and efficiency. The study identifies critical success factors for ERP in SMEs through Exploratory Factor Analysis (EFA) and Reliability Analysis. It provides actionable insights for policymakers, industry leaders and stakeholders to drive SMEs towards sustainable growth towards Viksit Bharat 2047.

Keywords: ERP, Lean Six Sigma, EFA, AI, Machine Learning, IoT, SME, Viksit Bharat @ 2047

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