

# **Building a Mini-ERP system to support overall management, integrating AI to alert work progress for the processing workshop at Binh Nguyen An Trading Service Company Limited.**

**Nguyen Thanh Tan**

**Abstract:** In the context of increasing demand for information management and production process automation, this topic focuses on building a Mini-ERP system to support overall management for manufacturing workshops. This system is integrated with AI to provide early warnings about work progress, thereby enhancing performance and minimizing risks in the production process. Through theoretical research and experimental deployment, the topic aims to deliver a flexible application solution for small and medium enterprises, while also providing a solid foundation for further system development in the future.

**Keywords:** Mini-ERP, production management, AI, work progress alerts, decision support system