

# **Building an AI-integrated production management system user guide**

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**Abstract:** In the context of information technology development, the application of artificial intelligence (AI) into production processes is an inevitable trend. This topic focuses on building an AI-integrated production management system to improve efficiency and automation in the production process. Through a combination of theoretical research and experimentation, the topic aims to solve the problem of optimizing production processes by using AI tools such as machine learning and natural language processing to guide users. The topic is expected to make a significant contribution to the field of production management, enhancing productivity and minimizing human errors.

**Keywords:** production management, artificial intelligence (AI), process optimization, machine learning, natural language processing