

# **Research and development of a Chatbot system to support lychee cultivation in Bac Ninh province.**

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**Abstract:** In the context of traditional agriculture shifting toward technological advancement, this study focuses on developing a Chatbot system to provide technical support and information for lychee farmers in Bac Ninh province. The objective of the project is to build and evaluate the effectiveness of the Chatbot system in providing in-depth cultivation guidance, answering questions, and forecasting diseases, aiming to optimize production and improve lychee product quality. The method combines theory and experimentation to build, train, and test the Chatbot system. The expected result is that the application of information technology will help enhance labor productivity and the quality of agricultural products for local farmers.

**Keywords:** Chatbot, lychee cultivation, Bac Ninh, high-tech agriculture, technical support