

Build a WinForms application using the MobileNet model to detect defects on product packaging for PISY PHARMA company.

Nguyen Van Tiep

Abstract: In the context of increasing emphasis on product quality, this topic focuses on building a WinForm application system based on the MobileNet model to detect defects on product packaging. The reason for choosing this topic is to meet the need for improving quality control efficiency at PISY PHARMA, thereby ensuring product safety and quality for consumers. The objective of the topic is to experiment and deploy a Machine Learning model (MobileNet) into the WinForm system to automate the defect detection process on product packaging. The research method combines theory with experimentation to ensure the effectiveness and accuracy of the defect detection system. The expected outcome of the topic is to provide a useful technological solution for PISY PHARMA, while contributing to the field of WinForm Application Development and Machine Learning Model Development in product quality control.

Keywords: WinForm application, MobileNet, Packaging defect detection, Product quality control, Machine Learning technology