

Building a monitoring system through object detection

Nguyen Thi Ngoc Han

Abstract: This topic aims to research and build an automatic monitoring system based on object detection technology, meeting the increasing demand for environmental monitoring and analysis in various fields such as security, healthcare, and transportation. Through an experimental process combining theoretical research and application deployment, the topic will identify the most effective algorithms for detecting objects in images/video. The ultimate goal is to create a widely applicable solution, contributing to improving service quality and safety.

Keywords: Surveillance system, object detection, artificial intelligence technology