

Building a smart parking lot monitoring system at ICTU using the YOLOv26 model

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Abstract: In the context of rapid urbanization, the need for efficient parking lot management has become urgent. This project aims to build an intelligent parking lot monitoring system at ICTU using the YOLOv26 model for vehicle detection and classification. By combining theoretical research with experimental deployment, the project delivers a highly automated solution, contributing to improved parking lot management performance and thereby promoting sustainable urban development.

Keywords: Parking lot monitoring system, ICTU, YOLOv26, Smart parking management, Vehicle detection and classification