

ABSTRACT

This project focuses on developing a real-time license plate recognition system that accurately identifies and recognizes multiple license plates. The system leverages edge detection and contour detection techniques to address the challenges of inaccurate license plate edge detection, real-time license plate number recognition, and the lack of a user-friendly interface. The objective is to enhance the accuracy, reliability, and user experience of license plate recognition systems.

The project utilizes thresholding and contour detection, simple yet effective approaches, to detect the edges of license plates. By improving the accuracy and reliability of license plate edge detection, the system aims to accurately identify the boundaries of license plates captured under varying conditions. The outcomes of this project have applications in security, traffic management, and law enforcement. The developed system contributes to the advancement of license plate recognition systems, enabling efficient identification and tracking of vehicles.