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Python Automated Tool to Detect over Speeding of a Vehicle through ANPR Technology

Vedavyas, Asha Gopal Bala Reddy, B Shashi Rekha, B V Srinidhi, Dilip A P Ballari Institute of Technology and Management, Ballari

Abstract: Every country now has a serious issue with traffic regulation and vehicle ownership identification. It might be challenging to recognize car owners who drive excessively fast and against road regulations. As a result, it is impossible to apprehend and penalize those individuals since traffic officials may not be able to obtain the vehicle's license plate from a moving vehicle due to its speed. As one of the answers to this problem, it is necessary to design an automatic number plate recognition system. We will create a web application that performs the task to identify the number plate and display them. To accomplish the system models of Machine Learning (like K-means or CNN), EasyOCR, and OpenCV will be implemented. We will be using the YOLO dataset to train the model that is used to identify the detect the license plates

Keywords: Machine Learning

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