Automatic Number Plate Recognition System (ANPR) For Parking

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ABSTRACT

Automatic number plate recognition system (ANPR) for parking lots is a security solution for a problem people face at present. It's simply a system designed to read the number plate of a vehicle at the moment that it enters a certain parking lot and at the moment that it left the parking lot. So, the aim of this project is to create an automatic system for the existing manual system with higher accuracy and efficiency. Hence, there will be no need of a worker for that job. So, the objective is to develop an automatic license number plate detection and recognition system that can identify all the vehicle license numbers and maintain a record with the time of the arrival and departure of the vehicles along with the driver details. So that information can be used in an emergency as well as for data mining. A camera is used to get the inputs and a computer is used to recognize the numbers using machine learning. Later the identified vehicle license numbers will be saved with the time of arrival and departure of the vehicle.

Keywords - ANPR, Python, Image processing, Parking lots