Image Processing
Identification of Vehicle theft and suspicious Activities

Computer Vision is used in various ways to manipulate images. It is used as a medium for the computer system to communicate with images. Information can be extracted from an image in order to be used for a specific function. Vehicles and people should be extracted separately in order to monitor their specific behaviour. Human behaviour is particularly emphasized. Opencv is the open source library used for this purpose. Its main focus is real-time image processing. The following research will be based on the C/C++ language using the Opencv library. The project serves to reduce the crime rate. It aims to increase the efficiency of security guards performing surveillance. The project alerts the user of suspicious activity in multiple parking lots. The project itself is scalable enough to incorporate other functionality with relative ease. It logs the suspicious activity for future reference. It operates in real-time and has an effective accuracy of greater than 90% for detecting positive suspicious activity when set up in a specific parking lot. The final decision to decide whether an offence has been committed is still up to the user.

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