1. Abstract:

Number plate recognition is an image processing technology which uses number plate to uniquely identify the vehicle. The objective is to design an efficient automatic vehicle identification system by using the vehicle number plate to further use it many regions like tollbooths, automated parking system, traffic rules violation and many more.

2. Introduction:

In a world where the population of a species is ever so high and growing sky high, the need for vehicular transportation is at an all-time high. We need to have a method that allows one to uniquely distinguish vehicles from one other and this is achieved by attaching a plate to the vehicle containing a unique combination of alphabets and numbers. This unique sequence allows one to distinguish vehicles from one other.

3. Problem Statement:

As the number of vehicles increase the need for an automated metered parking system is a necessity to allow one’s fast paced to loose no momentum. The automated parking system allows one to effortlessly monitor vehicles that enter and exit a parking area which is monitored automatically without any man power needed, this is done by using a camera input to capture the vehicles number plate and measure the time until the vehicle is captured again at a later, we calculate the time difference and charge the user based on the time parked.

4. Modules Used:

5. Model Working

6. Why choose our system

7. Conclusion