# Q2) Fas Plate

### Introduction:

I started my approach by using the pre existing idea where cars are recognised at traffic lights and speeding zones by cameras

My code utilizes a pre-trained machine learning object detection method used to identify objects in images or videos i.e the Haar Cascade.

### Procedure:

We first require a clear well lit image of the car number plate at toll plaza (preferably back plate).which will then be sent to process and once the number plate is recognised we can track it back to the person and take the amount directly from the bank account linked to it.

### Algorithms used:

After reading the image we first pass it to the haarcascade to identify the number plate from the whole image.

We then use the image\_to\_text algorithm from pytesseract to extract the Registration number from the plate.

### Code:-https://github.com/rachit6105/Eclub-Task/tree/main/Task2

### Sources:-

<https://www.geeksforgeeks.org/license-plate-recognition-with-opencv-and-tesseract-ocr/>

<https://www.tutorialspoint.com/how-to-detect-license-plates-using-opencv-p>

<https://chatgpt.com/c/901ba8db-0e8e-4758-9a15-9863c3509b>