Hello everyone,this is Nitheeshwar here to demonstrate the portal we have developed

As we have seen how the Anpr model and Frs model works so far which was explained by my team mates ,

This is how we have planned to integrate our model by using Django rest framework,

Our ultimate objective is to ease the task of the cops ,

Hence here is the portal where the user can upload the images or live camera feed for recognizing the number plate and faces in the vehicle and extract the text from the image

Let us consider this image for analysis

Now lets directly get into the demonstration of how the portal works,

As we have considered an image for analysis

Let us upload the image

Once we click on submit button

Here is how our model works

Step1: this is the original image which is uploaded

Step2: the next image is the greyScaled image

Step3: this is the edged image

Step4:here is how the contors of the image is detected

Step5 : finally this the detected image from the car

Step6: this is the cropped image

Step7: our here is how the result is displayed

This is the original image which is uploaded and then we convert this image to a grey scaled one and detect edges using canny from the images. This edge detection will help us to form contours and help us detect the objects/ character segmentation separating it from the rest of the objects ,therefore the cropped image is saved and the text is extracted using OCR and text is display on the website