close all;

clear all;

im = imread('Number Plate Images/image3.png');

imgray = rgb2gray(im);

imbin = imbinarize(imgray);

im = edge(imgray, 'prewitt');

%Below steps are to find location of number plate

Iprops=regionprops(im,'BoundingBox','Area', 'Image');

area = Iprops.Area;

count = numel(Iprops);

maxa= area;

boundingBox = Iprops.BoundingBox;

for i=1:count

if maxa<Iprops(i).Area

maxa=Iprops(i).Area;

boundingBox=Iprops(i).BoundingBox;

end

end

im = imcrop(imbin, boundingBox);

im = bwareaopen(~im, 500);

[h, w] = size(im);

imshow(im);

Iprops=regionprops(im,'BoundingBox','Area', 'Image');

count = numel(Iprops);

noPlate=[];