**Algorithm**

No Parking Vehicle Detection mainly consist two classes first one for finding the Plates from original image and second one for finding the characters within the plates.

**Step 1:** Algorithm takes an image as input after that it preprocess that image and convert into different Scene like grayscale, thresh scene etc.

**Step 2:** Next step is to find the list of possible character scene from those converted scenes images.

**Step 3:** In this step we extracting a list of possible vehicle registration plates.

**Step 4:** Till now we have list of registration plates which is detected from different scenes images, next process is to find the character from those detected plates with the help of KNN algorithm. Again, we need to preprocess number of plates to recognize characters.

**Step 5:** After preprocess original plates are converted into grayscale and thresh scenes etc. From preprocessed plates, detecting plates which consist alphanumeric and rest plates will be ignore.

**Step 6:** After getting plates which consist characters, then we will load training data to train KNN model then apply this trained model in those plates to recognize longest string of characters which will be actual vehicle registration number.