

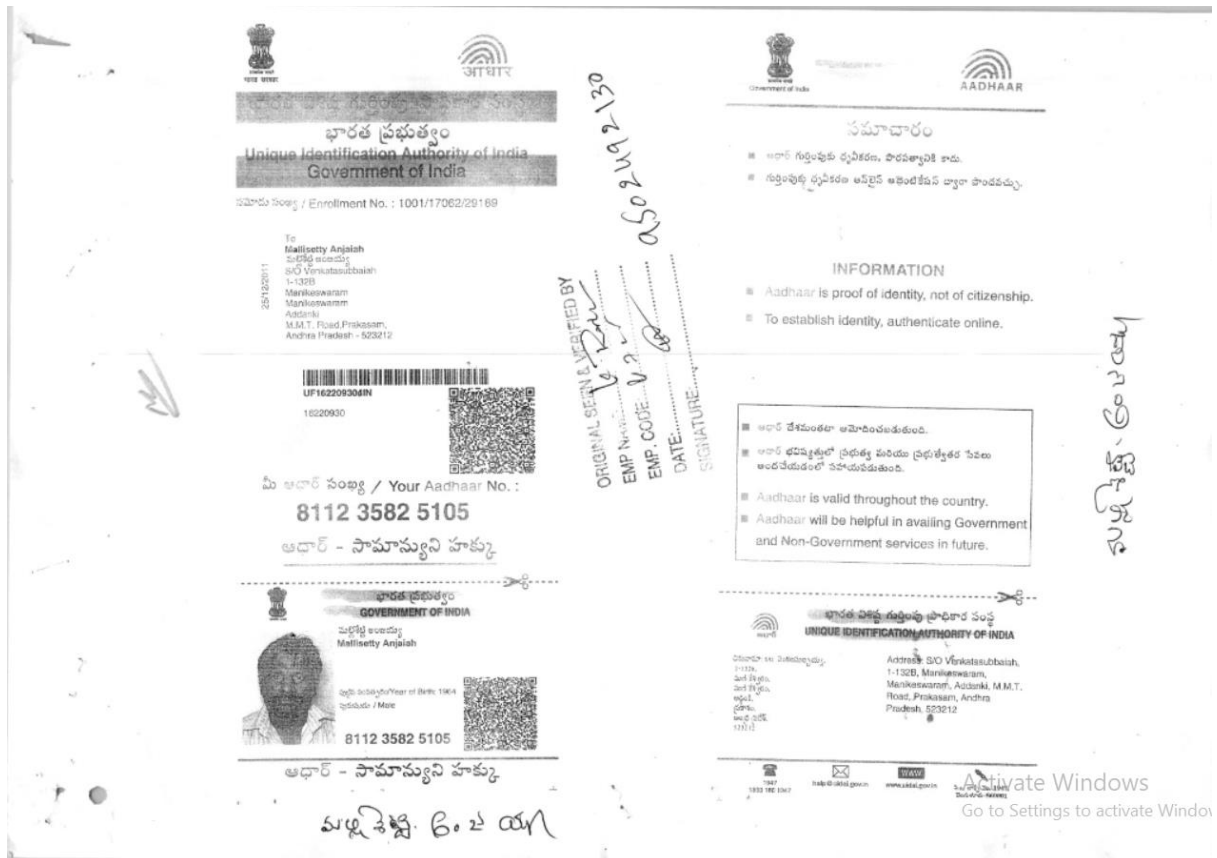
## Working of The algorithm For Uploaded Code:-

1. Binarization of image
2. Erosion with 2x2 kernel
3. Applying Bilateral Filter
4. Applying Guassian Filter on an Image

This algorithm has shown some better accuracy than normal naïve method.

## Results:-

Task To detect Aadhaar card numbers in the below image.



## After Binarization and applying Filters:

**Left Card Details:**

- To: Mallikarjuna Angilish
- Enrollment No.: 1001/17062/28189
- Enrollment Date: 28/12/2011
- Enrollment Location: M.M.T. Road, Prakasham, Andhra Pradesh - 523212
- Aadhaar No.: 8112 3582 5105

**Right Card Details:**

- To: Mallikarjuna Angilish
- Enrollment No.: 1001/17062/28189
- Enrollment Date: 28/12/2011
- Enrollment Location: M.M.T. Road, Prakasham, Andhra Pradesh - 523212
- Aadhaar No.: 8112 3582 5105

**INFORMATION (Right Card):**

- Aadhaar is proof of identity, not of citizenship.
- To establish identity, authenticate online.

**Signature (Right Card):**

Handwritten notes on the right card include: "ORIGINAL SEEN & VERIFIED BY", "EMP NO.", "EMP CODE", "DATE", and "SIGNATURE".

## Result From code:

```
['5', '1', '1', '1', '27', '2', '823', '705', '20', '16', '53', 'La']
```

```
-----adhaar number-----
```

```
811235825105
```

```
811235825105
```

```
811235825105
```

```
Process finished with exit code 0
```