# AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY,

## **MUMBAI**



# MINOR PROJECT REPORT

**CSE2611 MACHINE LEARNING** 

SUBMITTED TO

SUBMITTED BY

Dr. DEEPA PARASAR

**SWAPNIL THAKUR (BCSE1827)** 

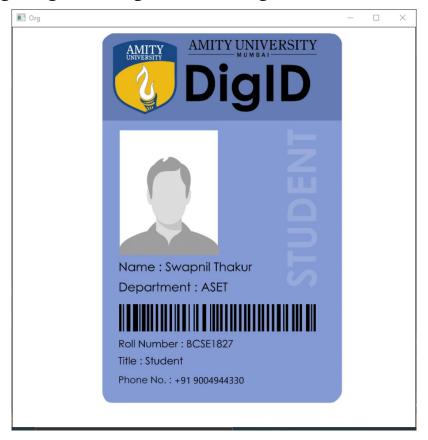
L.P.SHREYA (BCSE1834)

**BTECH CSE 2018-22** 

**FACULTY GUIDE** 

## **SCREENSHOTS OF THE PROJECT:**

• Capturing image, storing and scanning it



Cropping the image



#### Converting into grey scale

Name: Swapnil Thakur

Department: ASET



Roll Number: BC\$E1827

Title: Student

Phone No.: +91 9004944330

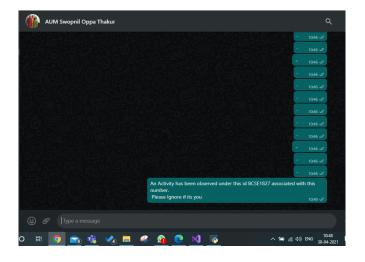
## Text recognition and extraction



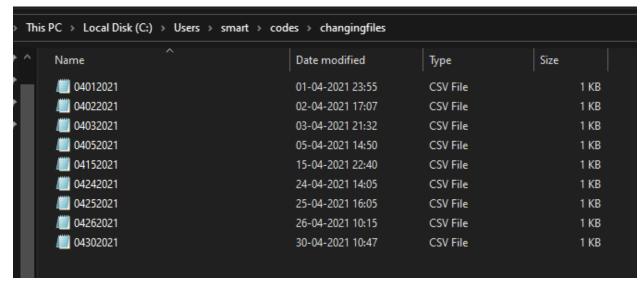
- Checking with the predefined data and decide whether to permit or not the person
- Entering the system time to the record file

```
🐯 C:\Users\smart\AppData\Local\Programs\Python\Python39\python.exe
Confidence: 95
Text: +91
Confidence: 96
Text: 9004944330
+919004944330
 'Name': 'Swapnil', 'Department': 'ASET', 'Roll': 'BCSE1827', 'Title': 'Student', 'No.': '+919004944330'}
'04/30/2021, 10:46:54', 'Swapnil', 'ASET', 'BCSE1827', 'Student', '+919004944330']
Swapnil Thakur
 'Name': 'Swapnil Thakur ', 'Department': 'ASET', 'Roll': 'BCSE1827', 'Title': 'Student', 'No.': '+919004944330'}
'04/30/2021, 10:46:54', 'Swapnil Thakur ', 'ASET', 'BCSE1827', 'Student', '+919004944330']
DateTime Name ... Title No
                  DateTime
                                             Name ...
                                                              Title
   04/30/2021, 10:46:24 Swapnil Thakur ... Student +919004944330
[2 rows x 6 columns]
BCSE1827
<class 'str'>
                                               DateTime
                                               DateTime
   04/30/2021, 10:46:24 04/30/2021, 10:46:54 ...
                                                                 +919004944330
[2 rows x 6 columns]
 '04/30/2021, 10:46:54', 'Swapnil Thakur', 'ASET', 'BCSE1827', 'Student', '+919004944330']
30 permitted
In 31 seconds web.whatsapp.com will open and after 20 seconds message will be delivered
```

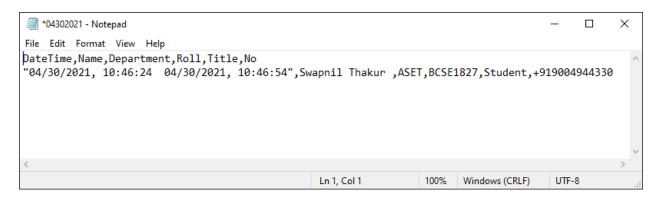
 A message is sent on the authorized contact number whenever the ID card is scanned.



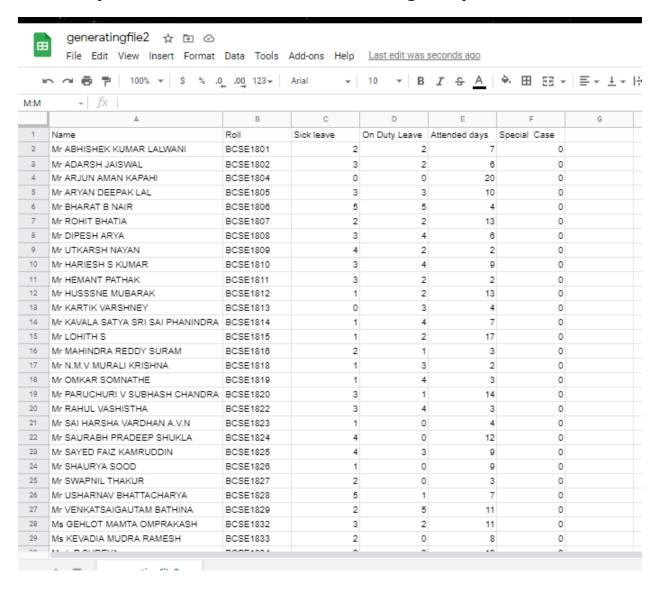
To Implement date-wise saving of records.

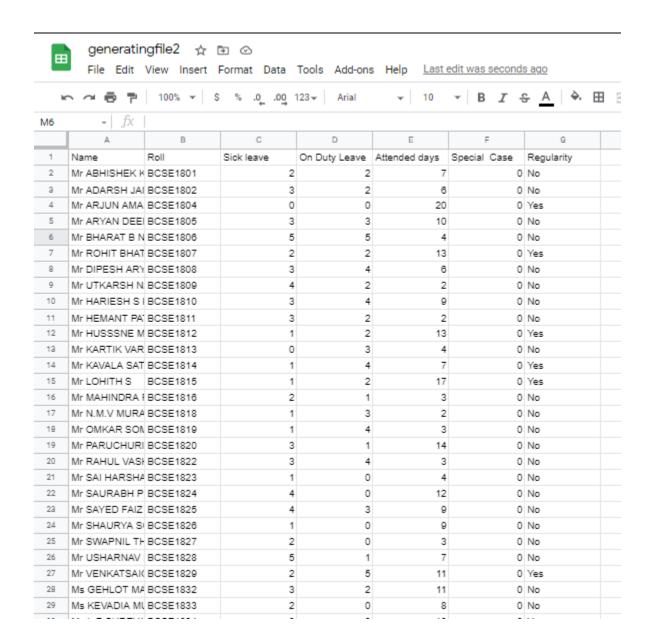


• To maintain multiple entries of an individual in same record



#### • To Classify individuals on the basis of their regularity





• To determine the accuracy of this project.

[11] from sklearn.metrics import accuracy\_score
 accuracy\_score(y\_test, prediction)

0.9523809523809523

accuracy\_score(y2, prediction2)

0.6716417910447762

#### To extract and send status to people who have low regularity

