

1. Project Development phase

Date	14 November 2022
Team ID	PNT2022TMID41264
Project Name	Project – SMART SOLUTIONS FOR RAILWAYS
Maximum Marks	4 Marks

Delivering of Sprint- 2

QR CODE scanner in python :

View the passenger details by scanning the QR code.

Python test code:

```
import cv2

from pyzbar.pyzbar import decode

import time

cap = cv2.VideoCapture(0)

cap.set(3, 640)

cap.set(4, 480)

used_codes = []


camera = True

while camera == True:

    success, frame = cap.read()

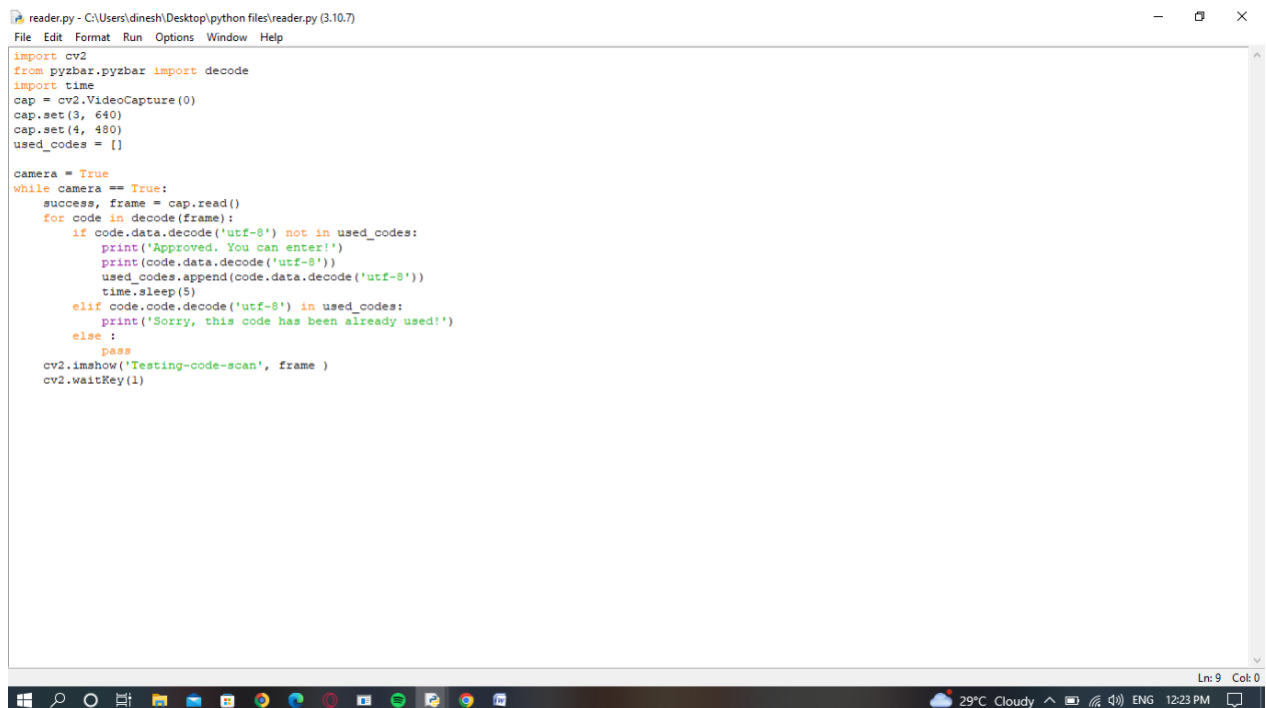
    for code in decode(frame):

        if code.data.decode('utf-8') not in used_codes:

            print('Approved. You can enter!')
```

```
        print(code.data.decode('utf-8'))
    used_codes.append(code.data.decode('utf-8'))
    time.sleep(5)
    elif code.code.decode('utf-8') in used_codes:
        print('Sorry, this code has been already used!')
    else :
        pass

    cv2.imshow('Testing-code-scan', frame )
    cv2.waitKey(1)
```



```
reader.py - C:\Users\dinesh\Desktop\python files\reader.py (3.10.7)
File Edit Format Run Options Window Help

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from pyzbar.pyzbar import decode
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cap = cv2.VideoCapture(0)
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            pass
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Ln: 9 Col: 0

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