

# QR SCANNER

Project Name	Smart Solution For Railways
Team ID	PNT2022TMID39059

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import cv2

import numpy as np

import time

import pyzbar.pyzbar as puzbar

from ibm cloudant.cloudant_v1 import cloudantv1

from ibm cloudant import couchDb session Authenticator

from ibm_cloud_sdk_core.Authenticators import BasicAuthenticator


authenticator=BasicAuthenticator('apikey-v2-
16u3crmdpkgghxefdikvpssoh5fwezrmuup5fv5g3ubz','b0ab119f45d3e6255eabb978)

service=cloudantv1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-
16u3crmdpkgghxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119f45d3e6255eabb978

cap=cv2.VideoCapture(0)

font=cv2.FONT_HERSHEY_PLAIN


while True:

    _,frame=cap.read(0)

    decodeObjects=pyzbar.decode(frame)

    for obj in decodeObjects:

        #print("Data",obj.data)

        a=obj.data.decode('UTF-8')
```

```
cv2.putText(frame, "Ticket", (50, 50), font, 2, (255, 0, 0), 3)

#print(a)

try:

    response = service.get_document(db='booking', doc_id=a).get_result()

    print(response)

    time.sleep(5)

except Exception as e:

    print("Not valid Ticket")

    time.sleep(5)

cap.inshow("Frame", frame)

if cv2.waitKey(1) & 0xFF == ord('q'):

    break

cap.release()

cv2.destroyAllWindows()

client.disconnect()
```