**QR SCANNER**

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| Project Name | Smart Solution For Railways |
| Team ID | PNT2022TMID52217 |

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-v2-16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz','b0ab119f45d3e6255eabb978)

service=cloudantv1(authenticator=authenticator)

service.set\_service\_url('https://apikey-v2-16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119f45d3e6255eabb978

cap=cv2.videoCapture(0)

font=cv2.FONT\_HERSHEY\_PLAIN

whileTrue:

\_,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()