**SPRINT 3**

DATE - 19 NOVEMBER 2022

TEAM ID - PNT2022TMID24781

PROJECT NAME - SMART SOLUTION OF RAILWAYS

**PROCEDURE:**

**Step1**: Develop a python script to scan the QR code.

**Step2**: Connect the python code to IBM Cloudant using the credentials.

**Step 3**: Run the program.

**PYTHON SCRIPT TO SCAN QR CODE:**

import cv2 import numpy as np import time import pyzbar.pyzbar

as pyzbar from pyzbar.pyzbar import decode from

ibmcloudant.cloudant\_v1 import CloudantV1 from ibmcloudant

import CouchDbSessionAuthenticator from

ibm\_cloud\_sdk\_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('apikey-v2-125rwcp4ifi6zz2ly1cq0kakyjn98du2ysgc72h53lzi',

'af693938842290ec2c254461754447b5') service =

CloudantV1(authenticator=authenticator)

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

125rwcp4ifi6zz2ly1cq0kakyjn98du2ysgc72h53lzi:af693938842290ec2c254461754447b5@82d874994395-

4f46-a190-6a186bee5051-bluemix.cloudantnosqldb.appdomain.cloud')

cap= cv2.VideoCapture(0) font =

cv2.FONT\_HERSHEY\_PLAIN while

True:

\_, frame = cap.read() decodedObjects = pyzbar.decode(frame)

for obj in decodedObjects: #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 A VALID TICKER")

time.sleep(5)

cv2.imshow("Frame",frame) if

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

break

cap.release() cv2.destroyAllWindows()

client.disconnect()