

## PROJECT DEVELOPMENT PHASE

### SPRINT 3

Date	15 November 2022
Team ID	PNT2022TMID12354
Project Name	Smart Solutions For Railways
Maximum Marks	8 Marks

#### ***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@8
2d87499-4395-4f46-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()
```