

DATE	18 November
TEAM ID	PNT2022TMID11445
PROJECT	Smart solution for railways

QR CODE SCANNER :

```

import cv2

import numpy as np

import time

import pyzbar.pyzbar as buzbar

from ibmcloud.cloudant_v1 import cloudantv1

from ibmcloudant import CouchDbSessionAuthenticator

from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('apikey-v2-16u3crmdpkghxhxfdi kvpssoh5fwezrmuup5fv5g3ubz',
'b0ab119f45d3e6255eabb978')

service = CloudantV1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-
16u3ermdpkghxhxfdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119145d3e6255eabb978e7e2f0')

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 Ticket")
```

```
    time.sleep(5)
```

```
cv2.imshow("Frame",frame)
```

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

```
    break
```

```
cap.release()
```

```
cv2.destroyAllWindows()
```

```
client.disconnect()
```

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