Software Requirements

Date	07 October 2022
Team ID	PNT2022TMID37886
Project Name	Smart solutions for Railways

Install python IDLE
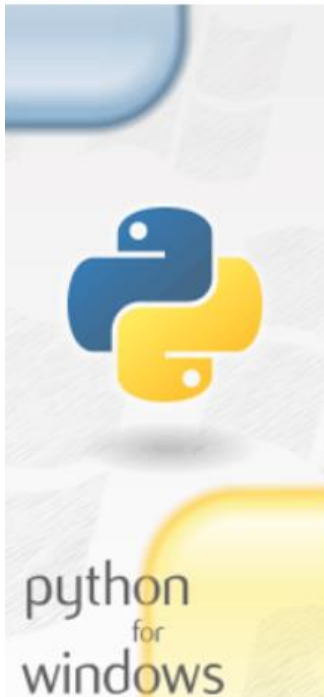
Install the required python libraries

- o **pip install wiotp-sdk**
- o **pip install ibmcloudant**
- o **pip install opencv-python**
- o **pip install pyzbar**

C:\Windows\System32\cmd.exe

Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from requests>=2.21.0->wiotp-sdk) (2.1.1)
WARNING: You are using pip version 20.2.3; however, version 22.3.1 is available.
You should consider upgrading via the 'c:\users\prasa\appdata\local\programs\python\python39\python.exe -m pip install --upgrade pip' command.

C:\Users\prasa\AppData\Local\Programs\Python\Python39\Scripts>pip install ibmcloudant
Requirement already satisfied: ibmcloudant in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (0.3.0)
Requirement already satisfied: ibm_cloud_sdk_core==3.16.0 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from ibmcloudant) (3.16.0)
Requirement already satisfied: requests<3.0,>=2.20 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from ibmcloudant) (2.28.1)
Requirement already satisfied: python_dateutil<3.0.0,>=2.5.3 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from ibmcloudant) (2.8.2)
Requirement already satisfied: PyJWT<3.0.0,>=2.0.1 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from ibmcloudant) (2.6.0)
Requirement already satisfied: urllib3<2.0.0,>=1.26.0 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from ibm_cloud_sdk_core==3.16.0->ibmcloudant) (1.26.12)
Requirement already satisfied: idna<4,>=2.5 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from requests<3.0,>=2.20->ibmcloudant) (3.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from requests<3.0,>=2.20->ibmcloudant) (2022.9.24)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from requests<3.0,>=2.20->ibmcloudant) (2.1.1)
Requirement already satisfied: six>=1.5 in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from python_dateutil<3.0.0,>=2.5.3->ibmcloudant) (1.16.0)
WARNING: You are using pip version 20.2.3; however, version 22.3.1 is available.
You should consider upgrading via the 'c:\users\prasa\appdata\local\programs\python\python39\python.exe -m pip install --upgrade pip' command.

C:\Users\prasa\AppData\Local\Programs\Python\Python39\Scripts>pip install opencv-python
Requirement already satisfied: opencv-python in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (4.6.0.66)
Requirement already satisfied: numpy>=1.17.3; python_version >= "3.8" in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (from opencv-python) (1.23.4)
WARNING: You are using pip version 20.2.3; however, version 22.3.1 is available.
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C:\Users\prasa\AppData\Local\Programs\Python\Python39\Scripts>pip install pyzbar
Requirement already satisfied: pyzbar in c:\users\prasa\appdata\local\programs\python\python39\lib\site-packages (0.1.9)
WARNING: You are using pip version 20.2.3; however, version 22.3.1 is available.
You should consider upgrading via the 'c:\users\prasa\appdata\local\programs\python\python39\python.exe -m pip install --upgrade pip' command.