**VSB ENGINEERING COLLEGE,KARUR-639111**

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**DEVLOP A PYTHON CODE**

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| **Team ID** | **PNT2022TMID33557** |
| **Project Name** | **Project – IOT ENABLED SMART FARMING APPLICATION** |

CODE:-

import wiotp.sdk.device

import time import os

import datetime

import random

myConfig = { "identity": { "orgId": "hjSfmy", "typeId": "Devicelk", "deviceId": "67890" }, "auth": { "token": "87654321" } }

client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None) client.connect () def myCommandCallback (cmd) : print ("Message received from IBM IoT Platform: %s" % cmd.data['command'])

m=cmd.data['command']

if (m=="motoron"):

print ("Motor is switched on")

elif (m=="motoroff"):

print ("Motor is switched OFF")

print (" ")

while True:

soil=random.randint (0,100)

temp=random.randint (-20, 125)

hum=random.randint (0, 100)

myData={'soil moisture': soil, 'temperature':temp, 'humidity':hum}

client.publishEvent (eventId="status", msgFormat="json",

data=myData, qos=0 , onPublish=None)

print ("Published data Successfully: %s", myData)

time.sleep (2)

client.command

Callback = myCommandCallbackclient.disconnect ()