import RPi.GPIO as gpio  
import picamera  
import time  
import smtplib  
import imghdr  
from email.message import EmailMessage  
  
  
led=3  
pir=2  
HIGH=1  
LOW=0  
gpio.setwarnings(False)  
gpio.setmode(gpio.BCM)  
gpio.setup(led, gpio.OUT)            # initialize GPIO Pin as outputs  
gpio.setup(pir, gpio.IN)  
gpio.output(led, LOW)  
  
def capture\_image():  
    camera = picamera.PiCamera()  
    data= time.strftime("%d\_%b\_%Y|%H:%M:%S")  
    camera.start\_preview()  
    time.sleep(5)  
    print(data)  
    camera.capture('%s.jpg'%data)  
    camera.stop\_preview()  
    time.sleep(1)  
    return data  
  
def ml():  
    EMAIL\_ADDRESS = xxxxxxxx  
    EMAIL\_PASSWORD = xxxxxxxxxx  
  
    contacts = ['[x](mailto:kousikakkapeddi@gmail.com)xxxxxxxx', ''xxxxxxx”]  
[t](mailto:test@example.com)  
    msg = EmailMessage()  
    msg['Subject'] = ''  
    msg['From'] = 'xxxxxxxxx'  
    msg['To'] = 'xxxxxxxxxxxxxxxxxxx'  
  
    msg.set\_content('someone entered')  
    k=capture\_image()  
    k1=k+'.jpg'  
    files = [k1,]  
    for file in files:  
        with open(file,'rb') as f:  
            file\_data = f.read()  
            file\_type = imghdr.what([f.name](http://f.name/))  
            file\_name = [f.name](http://f.name/)  
             
             
             
        msg.add\_attachment(file\_data,maintype='image',subtype=file\_type,filename=file\_name  
                             
                           )  
    with smtplib.SMTP\_SSL('[smtp.gmail.](http://smtp.gmail.com/)', 465) as smtp:  
        smtp.login(EMAIL\_ADDRESS, EMAIL\_PASSWORD)  
        smtp.send\_message(msg)  
  
gpio.output(led , 0)  
  
while True:  
    print(gpio.input(pir))  
    if gpio.input(pir)==0:  
        gpio.output(led, HIGH);ml();        
        while(gpio.input(pir)==0):  
            time.sleep(1)  
  
         
    else:  
        gpio.output(led, LOW)  
        time.sleep(0.01)