**Raspberry Pi code:**

import os

import smtplib

from email.mime.multipart import MIMEMultipart

from email.mime.base import MIMEBase

from email.mime.text import MIMEText

from email import encoders

import time

from picamera2 import Picamera2, Preview

from picamera2.encoders import H264Encoder

from picamera2.outputs import FfmpegOutput

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

LeftIR = 3

RightIR = 5

GPIO.setup(LeftIR , GPIO.IN)

GPIO.setup(RightIR , GPIO.IN)

gmail\_user = 'hssneha489@gmail.com' #Sender email address

gmail\_pwd = 'pydr wqhj mlge buvq' #Sender email password

to = 'sneha.u.kareholalappanavar@gmail.com' #Receiver email address

subject = "Message Received"

text = ". See the video."

picam2 = Picamera2()

preview\_config = picam2.create\_preview\_configuration()

picam2.configure(preview\_config)

time.sleep(1)

message = ""

def VideoRecord():

picam2.start\_preview(Preview.QTGL)

encoder = H264Encoder(10000000)

picam2.start()

video\_output = FfmpegOutput("/home/pi/video.mp4")

print("Starting video recording.")

picam2.start\_recording(encoder,output=video\_output)

time.sleep(5) # Recording duration in seconds

picam2.stop\_recording()

print("Recording finished.")

picam2.stop\_preview()

picam2.stop()

time.sleep(2)

def SendMail():

global message

msg = MIMEMultipart()

msg['From'] = gmail\_user

msg['To'] = to

msg['Subject'] = subject

msg.attach(MIMEText(message))

part = MIMEBase('application', 'octet-stream')

part.set\_payload(open("/home/pi/video.mp4", 'rb').read())

encoders.encode\_base64(part)

part.add\_header('Content-Disposition','attachment; filename="%s"' % 'video.mp4')

msg.attach(part)

mailServer = smtplib.SMTP("smtp.gmail.com", 587)

mailServer.ehlo()

mailServer.starttls()

mailServer.ehlo()

mailServer.login(gmail\_user, gmail\_pwd)

mailServer.sendmail(gmail\_user, to, msg.as\_string())

# Shuld be mailServer.quit(), but that crashes...

mailServer.close()

print ("Email Sent")

time.sleep(5)

while True:

if(GPIO.input(LeftIR) == 0):

message = "Morning Tablet Picked"

print(message)

VideoRecord()

SendMail()

elif (GPIO.input(RightIR) == 0):

message = "Evening Tablet Picked"

print(message)

VideoRecord()

SendMail()