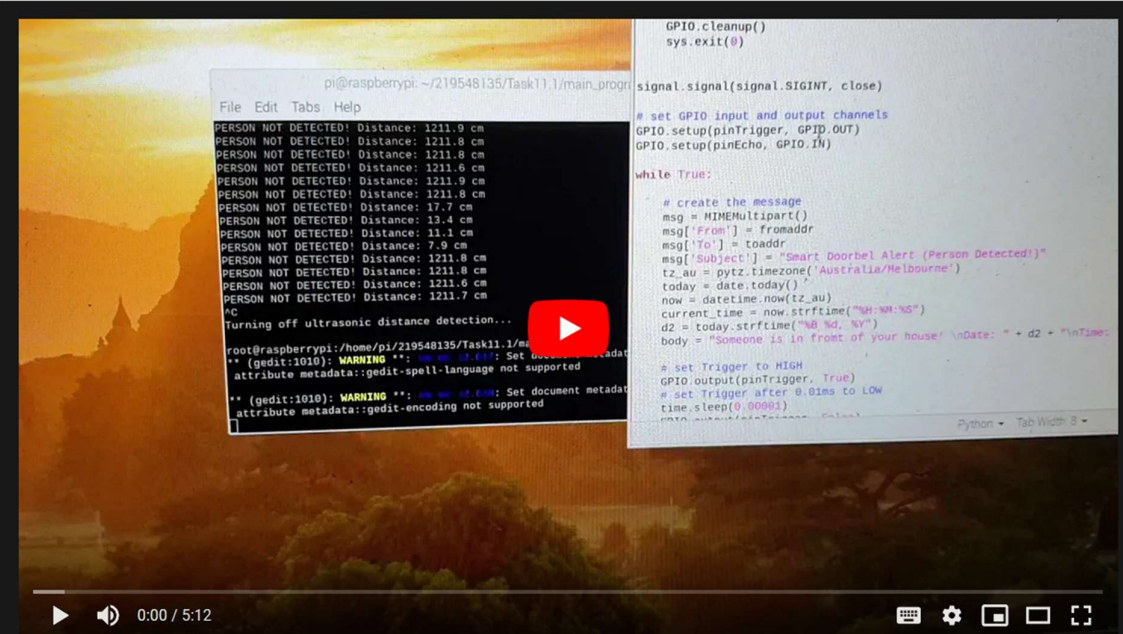


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SIT210 Task 11.1PCDHD

GitHub link: <https://github.com/radhikara/SmartDoorbell.git>

Youtube link: <https://youtu.be/maN1FEY4jvE>



The video shows a terminal window on a Raspberry Pi. The terminal output displays a series of "PERSON NOT DETECTED! Distance: 1211.9 cm" messages, followed by "Turning off ultrasonic distance detection...". The script then sends an email alert. The terminal output includes:

```
pi@raspberrypi: ~/219548135/Task11.1/main_program
File Edit Tabs Help
PERSON NOT DETECTED! Distance: 1211.9 cm
PERSON NOT DETECTED! Distance: 1211.8 cm
PERSON NOT DETECTED! Distance: 1211.8 cm
PERSON NOT DETECTED! Distance: 1211.9 cm
PERSON NOT DETECTED! Distance: 1211.8 cm
PERSON NOT DETECTED! Distance: 17.7 cm
PERSON NOT DETECTED! Distance: 13.4 cm
PERSON NOT DETECTED! Distance: 11.1 cm
PERSON NOT DETECTED! Distance: 7.9 cm
PERSON NOT DETECTED! Distance: 1211.8 cm
PERSON NOT DETECTED! Distance: 1211.8 cm
PERSON NOT DETECTED! Distance: 1211.6 cm
PERSON NOT DETECTED! Distance: 1211.7 cm
^C
Turning off ultrasonic distance detection...
root@raspberrypi: /home/pi/219548135/Task11.1/main_program
** (gedit:1010): WARNING **: Set document metadata
attribute metadata: gedit-spell-language not supported
** (gedit:1010): WARNING **: Set document metadata
attribute metadata: gedit-encoding not supported
```

The script code shown in the terminal includes:

```
GPIO.cleanup()
sys.exit(0)

signal.signal(signal.SIGINT, close)

# set GPIO input and output channels
GPIO.setup(pinTrigger, GPIO.OUT)
GPIO.setup(pinEcho, GPIO.IN)

while True:
    # create the message
    msg = MIMEText('')
    msg['From'] = fromaddr
    msg['To'] = toaddr
    msg['Subject'] = "Smart Doorbell Alert (Person Detected)"
    tz.au = pytz.timezone('Australia/Melbourne')
    today = date.today()
    now = datetime.now(tz.au)
    current_time = now.strftime("%H:%M:%S")
    d2 = today.strftime("%B %d, %Y")
    body = "Someone is in front of your house! \nDate: " + d2 + "\nTime: " + current_time

    # set Trigger to HIGH
    GPIO.output(pinTrigger, True)
    # set Trigger after 0.01ms to LOW
    time.sleep(0.00001)
    GPIO.output(pinTrigger, False)
```

The video player interface shows the title "SIT210 Task 11.1 (PROJECT DEMO) - Rakyan Satrya Adhikara - 219548135", the status "Unlisted", and the date "No views • Jun 3, 2020". The video progress bar shows 0:00 / 5:12.