

Name:-Pritam Gotiram Mogal Div:-TE(B) Roll No:17 Subi-ESIOT

Experiment no :- 12

Aim: Develoc a real time application like smart home following requirements: when user enters into house required appliances like fan, light should be switch on Appliances should also get Cetrolled Honotely by a sytable web interfere

Basics-senol emails using pythoun; -

1. Smtptib medule of python is basically all you need to senot

2. But For real emails, jourdoneed a subject line and lots at info-

moube even pictures and attachments.

3. This is where python's email pachage comes in keep in mind that is not pass an email message object using email pachage alone

How to seed emails:

4. set up 5mtp server leg into your account.

2. Crete mime multipart message object and load its with appropriate hearders for from Forand sub fields.

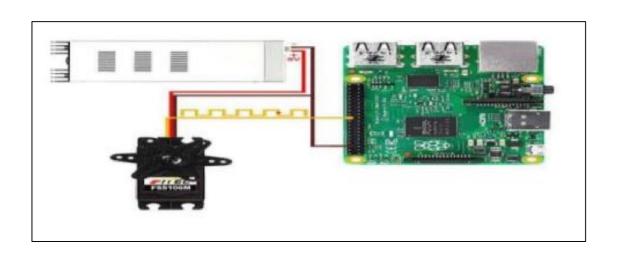
3. Add year message body.

4 send message using smtp server object.

The smtplib: 1. smtplib module defines smtp client session object that can be wed to sendmail to any internet machine with

6mth.

2. 5m to storeds for smole mail Transfercal. the smtplib modul



is useful for communicating with mail servers to send mail. 3 sending mail is done with python sortplib using smTP server 4 Actual wage varies depending on Complexity of email and setting of email server, instructions here are based on sending email through Gmail.

Servo motor :-1. A servo motor is a combination of oc motor, position control system 4 grees. We will be using sago sarro motor which is one of the popular & Chepest one. 2. It has mainly 3 wites, one is positive voltage, another is ground

and last one is position setting.

3. A servo motor is a combination of DC motor, position control system and geels. 5480 is 4 180 degree servo. So with his servo we can position axis from 0-180 degrees.

1. CHate lack / unlock application to control servo mater lack. Change its owner and group oswww-data location: I var/www/html 2 with application to read image & stend it as email attachment to the user location: 1 home / pi.

3. write application using HTML-PHP to central theservo motor lock Location: (var/www/html

Conclusion :-

Thus, we have developed short application for smart home system