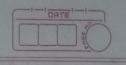
## Euplyiment No: 12



Aim: Develop a Heal time application like Smart house with following requirements. Where user enters into thouse the required applicants like for light should be switched on Appliances should also get controlled relemotely by a Switchele rule interfale. The objective of this application is student should construct complete smart application in amount. in guoup.

Theory:
Basic-send emails using Python:

1. The smtplib module of Python is basically all you need to send simple emoils, without any subject line or such add information.

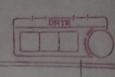
2. But four sport emails, you do need a
Subject line. A loss of information-may
be luen pictures & attachments.

3. This is ruheue python's email Package come
in keep in mind that it's not Possible to
Send an email message using the email
Package alone, you need to Combination
of both email A smptlib.

How to dend emoils?

2. Set up the SMTP Server A log into your doont.
2. Weath the MIME multipout message, object I load it with appropriate headows for from, To, Subject fields. 13. Add your message body.

4. Send the Message King the SMTP Server object.



## The sontplib:

1. The Smtplib module defines on SMIP

client session object that Can be used to

send mail to any internet machine with

an smIP or EsmIP lisener dalmon.

2. 8mIP stands for simple mail transfer

pustolol. The Smtplib modules is reselved

for Communicating with Mail servers to

send Mail.

3. Sending Mail is dope with python's

8 mtplib I using an SMIP servers.

4. Actual usage Varies depending on Complexity of the email

Server the instruction here are based on

Sending email through Commail.

## SCHULO Motor:

1. A Servo Notos is a lombination of DC
Motos, position (ontrol system 4 genss; servo
hove many application in the modern worth

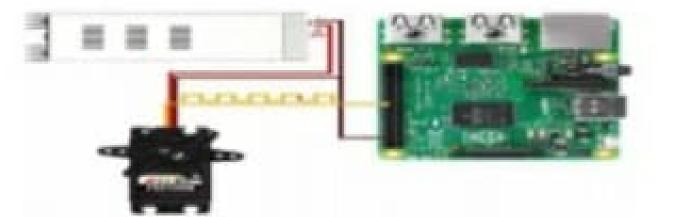
4 with I that they are available in diff
shapes a sizes. We will be using slago servo
motor which is one of the repular a dregner
one. Slago is a 180 dagree share. So with
this servo we can position the axis
from 0-180 degrees.

2. A servo Motor Noiny has three wires
one is for positive voltage, another is por
quound a last one is for fastingasition
leating. The red wire is connected to
pour Buown wire is connected to ground
to orange wire is connected to signal.



tool 84879m are available in different will be using 5690 Servo ich is one of the pset one. Shao is a 180 degree 8esu with this servo we con position from 0-180.

1:9



Fig

Steps. · (real the lock/ unlock application to lontoo) the Seyvo Motor lock, change it's owner A group aswaw-data location: I var found HTME.

A send it as enail attachment to the west location:/home/Pi. · Write application using HTML-PHP to Location : / Var / www HIML Conclusion: Thus, we have developed Shout application for Smout Hone Lysten.