EXPERIMENT. No. 11

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AIM = Develop a Realtime application like Sma-
rt home with following requirment : when
users enters into house the required appli-
ances like fan light should be switch on
appliances should get controlled remotely
by a suitable web interface. The objective
of this application is student should Construct
complete smart application in group

Theory :
Basics - Send emails Using Python
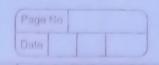1. The Smtplib module of paython is basically all
you need to send simple emails without any
object line or such additional information.
2 But for real, emails you do need a Subject line
and lots of information? may be even pictures and
attachments
3. This is where paythons emails package comes
in keep in mind that its not possible to send an
email message using the email package alone

How to send emails ?
1. set up th SMTP server and long into your
account
2. Create the MINE Multipart message object and

load it with appropriate headers for from To and Subject fields

3. Add your message body.

4. Send the message Using the SMTP client Session

The Smtplib:

1. The Smtplib module defines as SMIP client Session objective that can be Used to send mail to any Internet machine with an SMIP or ESMIP listener daemon.

2. The Smtplib modules is useful for communication with mail Server to send mail.

3. Sending mail or done with paythons Smtplib Using SNTP server.

4. Actual usues depending on Complexity of the email and setting of the mail Server the instructions here are based on Sending email through gmail.

Servo motor.

1. A Servo motor is a Combination of DC motor position control System and geares Servos have many applications in the modern world and with that they are available in different shapes and sizes will be using S4go Servo motor which popular cheapest and it is $180°$ Servo we can position the axis from $0 ~ 180°$

2. It has 3 wires one is for positive voltage another is for ground and last one for position Setting red wire is connected to power Brown to

ground and orange to signal

3. Servor motor is a combination of DC motor posit-
on control system and geases

Steps.
- Create the lock unlock application to control
the server motor lock change its owner and
group o $www - data location (vare/www/html)
Send it as email attachement to the user
Location: /home/pi
- Write the application to the read the image
and send it as email attachement to the user
location /home/pi
- Write the application using HTML-PHP to
control the servo motor lock.
Location /vare/www/html)

Conclusion. Thus we have developed short
            application for smart home system