

Name - Rutuja Manoj Kasar  
class. TE - Div - A  
Roll no. - 65

## Assignment - 12.

Aim - Develop a Real time app like smart home with following requirements, when user enters into house the required applicat<sup>n</sup>. like fan, light, should be switched ON. Appliances should also get controlled remotely by a web interface, the objective of this application is student should construct complete smart app in group.

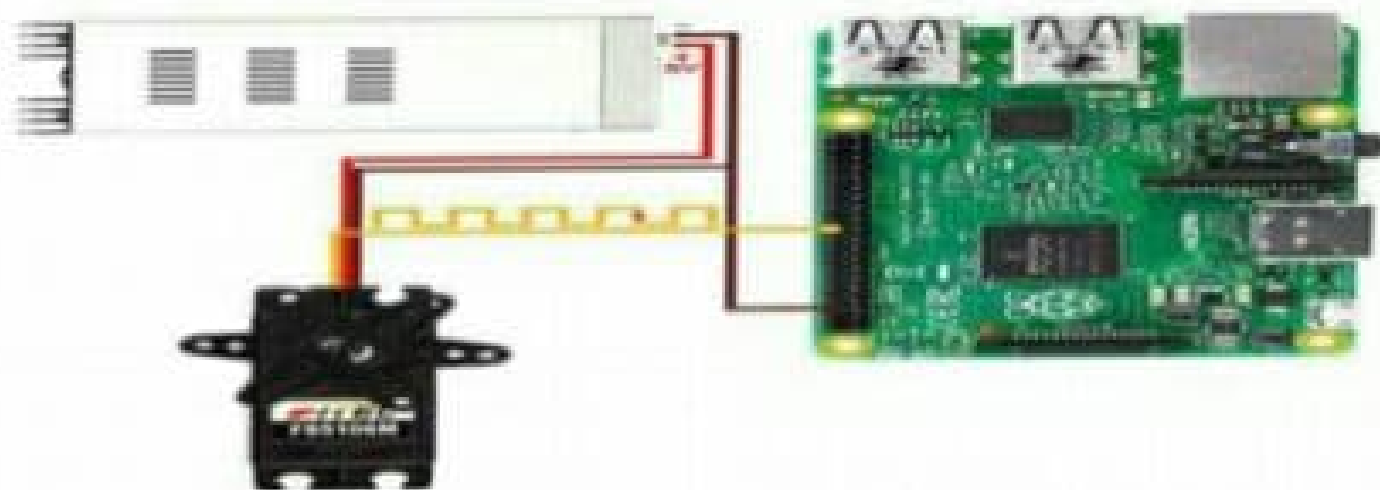
Theory → Basics - Send emails python -

1. The smtplib module of python is basically all you need to send simple emails, without any subject line or such additional information.
2. But for real emails, you do need a subject line & lots of informat<sup>n</sup> maybe even picture add attachments.
3. Set up the SMTP server & log into your account.

4. Send the message using the SMTP Server object

The Smtplib -

1. The Smtplib module defines as SMTP Client Session object that can be used to send mail to any Internet machine with SMTP or ESMTP listener daemon
2. SMTP stands for Simple Mail transfer protocol
3. Sending mail is done with python's Smtplib using an SMTP server



Fig

### Steps -

- Create the lock/unlock application to control the Servo motor lock. Change its owner and group as `www-data` location: `/var/www/html`
- write application to read the image and its email attachment to user location: `/home/`
- write application using `home-rpi` to control the servo motor lock location: `/var/www/html`

Conclusion - Thus, we have developed Smart application for Smart Home System.