

Auto Motor - First stage of home automation.

Segments.

- Sensor segment. SS
- Controller Segment. [switch] CS
- Web Segment. WS

- Controller Segment Requirement

From

✓ - Turn on/off switch according to data from ~~module~~. WS

✓ - Display value on bar graph - data from WS

- Switch to manually disable it.

- Enable config mode on no data / requested from web / no internet connection. / - which enable hotspot

- Config Mode

- have a webserver running on it.

- open wifi - password ~~enable~~ static default.

- can change in WS

- list the saved networks, active networks, update it. like ~~pro~~ android wifi connectors.

Demo H/W - measure

Module MCU, LED bar, LDR
10 resistor for LED, power supply,
Switch, Soldering Iron.

CS, ultrasonic module, solar panel, battery charger,
 stable 3-3V provided ESP8266 07 - with antenna,
 battery holder, switch, rechargeable battery project
 case.

DONE

ESP8266 07 - with antenna
 battery holder, switch, rechargeable battery project
 case.

Function
 - can use below definition
 - can use below definition
 - can use below definition
 - can use below definition

ESP8266 07 - with antenna
 battery holder, switch, rechargeable battery project
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- Smart Home - Base Architecture.

1. Only for demo
[i.e., no setup cost]

Main Segments

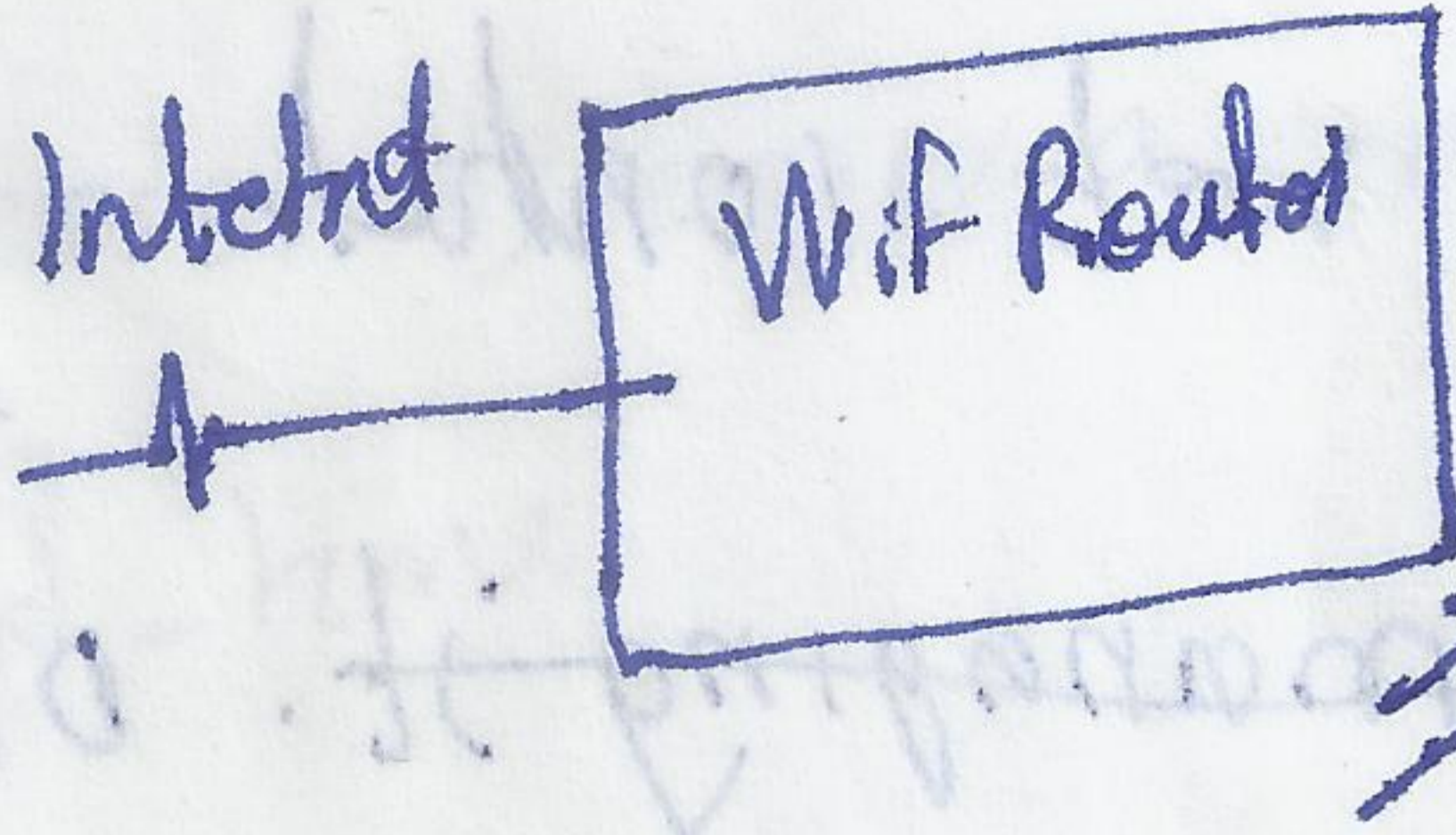
Server

- Web socket server
- log data.
- send commands to RM
- receive data and log

- Web control.
- Material Design.
- login
- view home status
- basic views
- water tank usage.

- utilization change graph.
- module online/offline status
- angular, polymer.

Home



- #### Sensor Module [SM]
- wifi config through hotspot.
 - solar power, 18650
 - low power mode,
 - wake up send no value to server
 - inc rate if nothing.

- #### Raspberry Pi → Screen [DM]
- Motor dehon voice
 - voice Recg, Full power
 - push button, speaker.
 - LED BACK LIT/main color light
 - connect to server.
 - Light, screen, power control.
 - Normal web socket display
 - weather display
 - LED color, light voice control
 - Motor voice control.
 - Normal Reports
 - Go to sleep
 - optional, temperature, humidity sensors.

- #### Relay Module [RM]
- wifi config, back 10V power.
 - 3.3v stable.
 - option for manual override
 - safety feature.
 - receive data from on/off motor switch.

15 weekdays, 2 weekend days.

Plan for 15 weekdays 2 week end days.

1. Create websocket module suitable for laravel and our application.
2. Use websocket module to create websocket server on new laravel project.
3. user web interface to web control.
4. angular page for managing it. O.M.

Fl6, M16, 29

Plan for 9 days

~~10~~ 10 days.

1. Create websocket module.
2. Create laravel project
 - web login and control.
 - web server / vis command.
 - mirror page - angular.

3 Relay module

- LED GRAPH script & placement.
- ESP8266 welding techniques.
- switch feedback technique.
- manual override

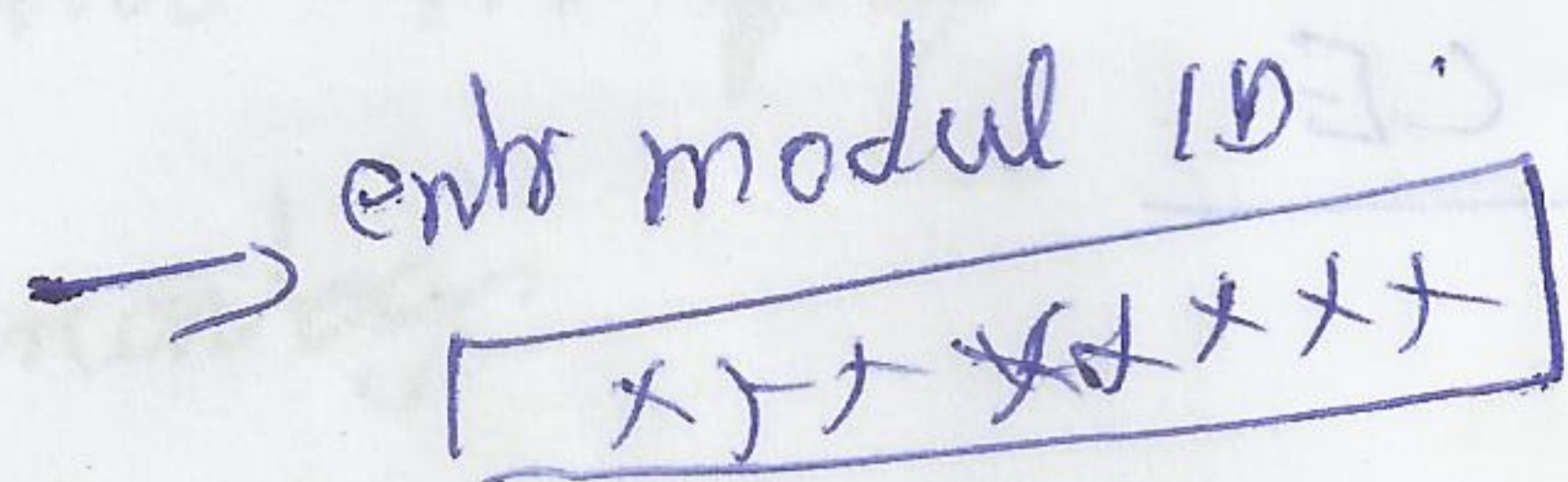
4. Sensor Mode

- power system build
- sensor script & placement
- low energy usage technique

5. Mirror Module

- Mirror holder build - Mirror screen
- Ras Pi - programming to detect motion detector sensor

- users
 - name
 - email
 - pwd



relays - switch

modules

- id
- code
- user-id
- last-update

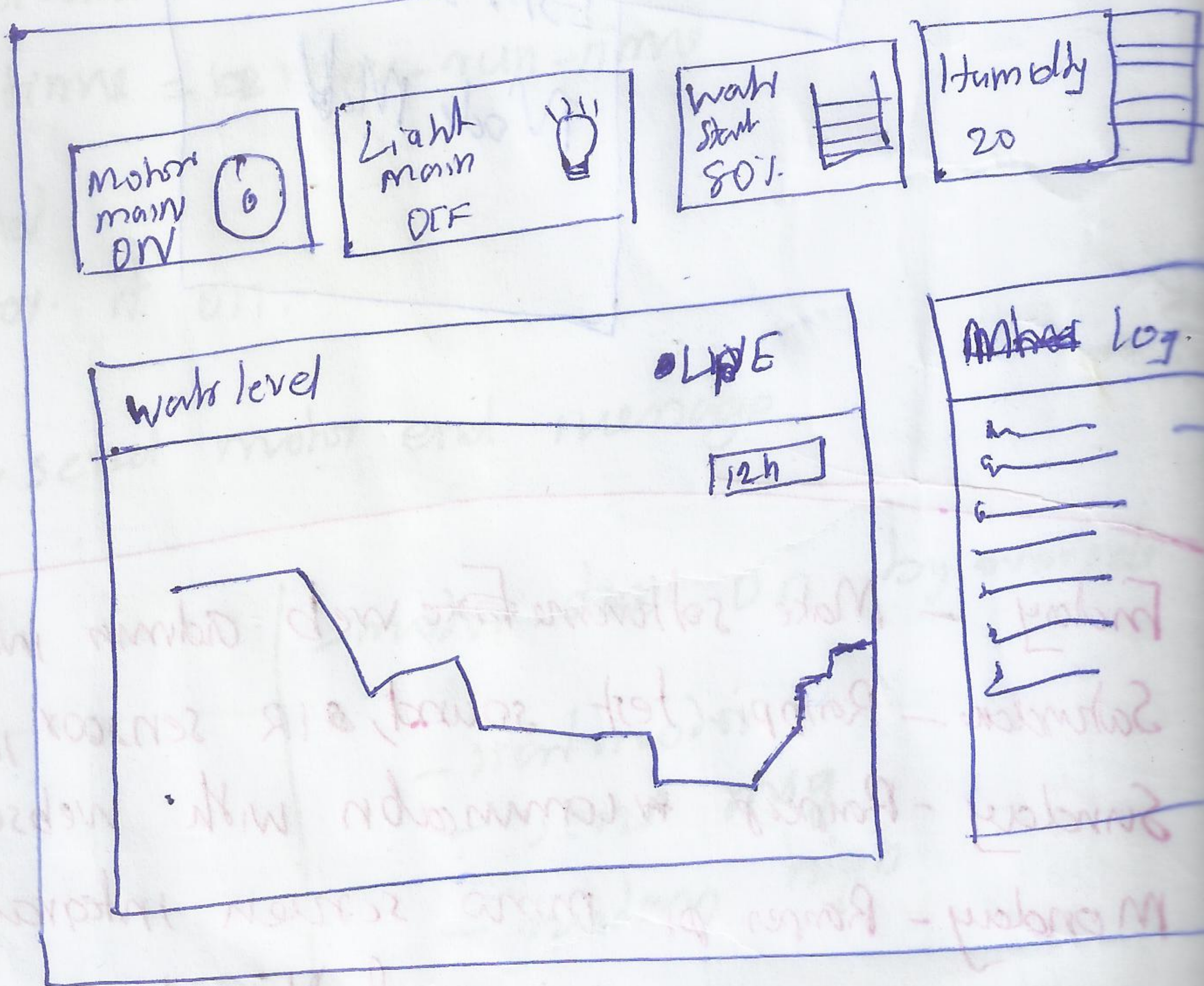
Things

- id
- ~~token~~ modul-id
- type - (switch, sensor-d, sensor-g, sensor-v)
- name
- online
- last value - label - time

- sensor-values
 - id
 - things-id
 - date-time
 - value

- systems
 - name
 - system-id
 - user-id
 - ~~set~~

- system-settings
 - system-id
 - system log
 - value
 - last-updated

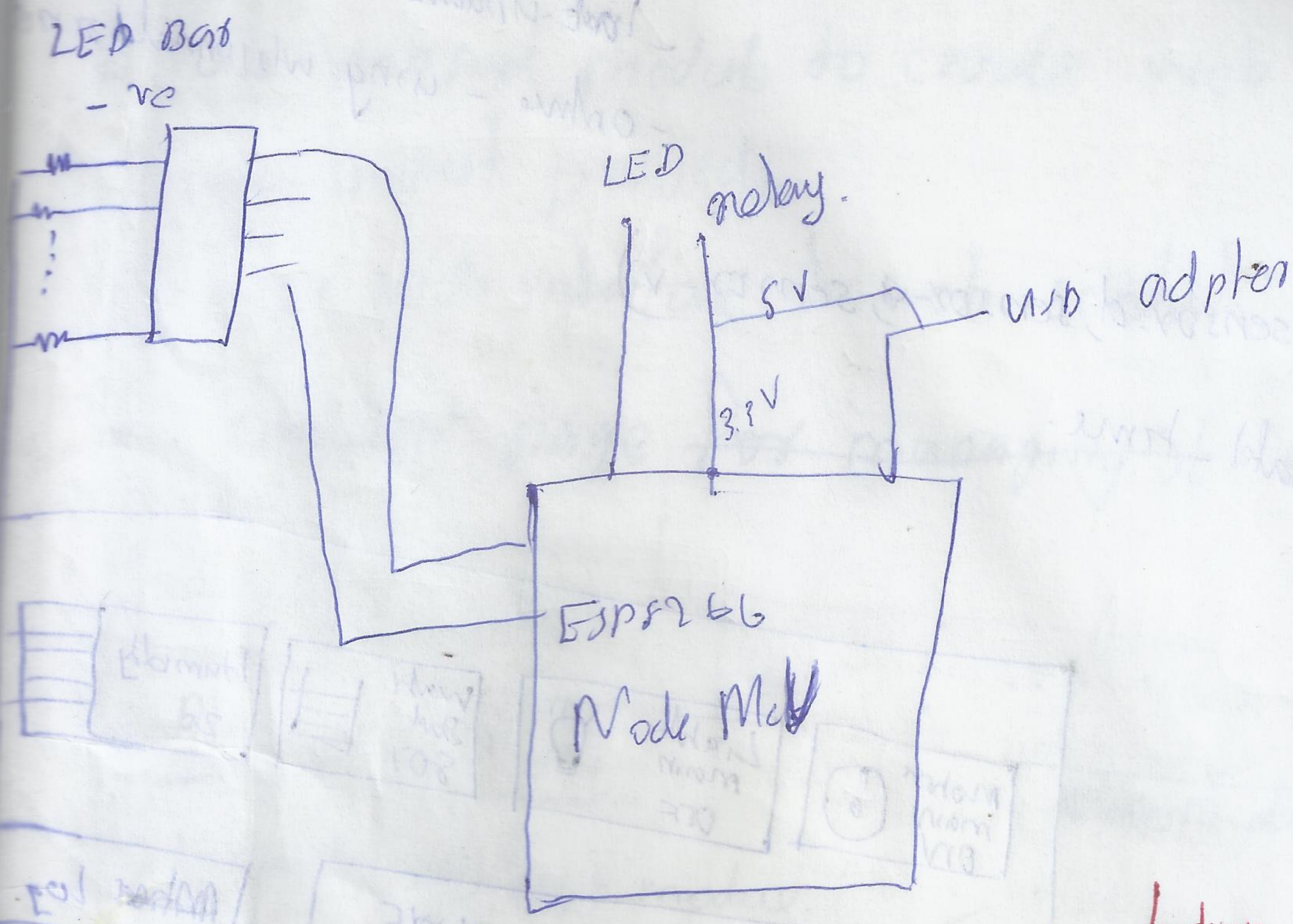


module

- register with modul-id
- update manages with module list - a new value
- new module manage and act.

~~9-11-2024~~

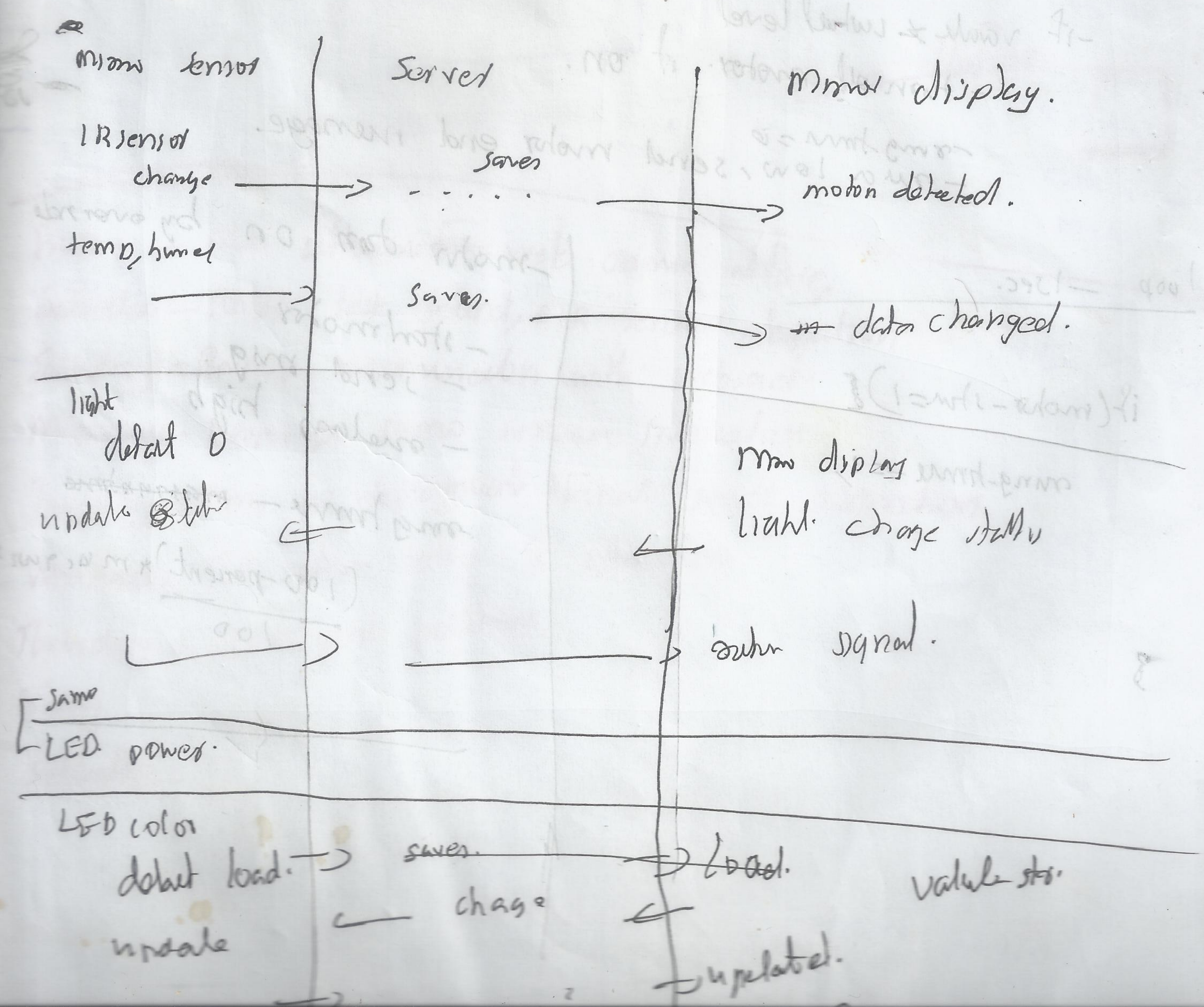
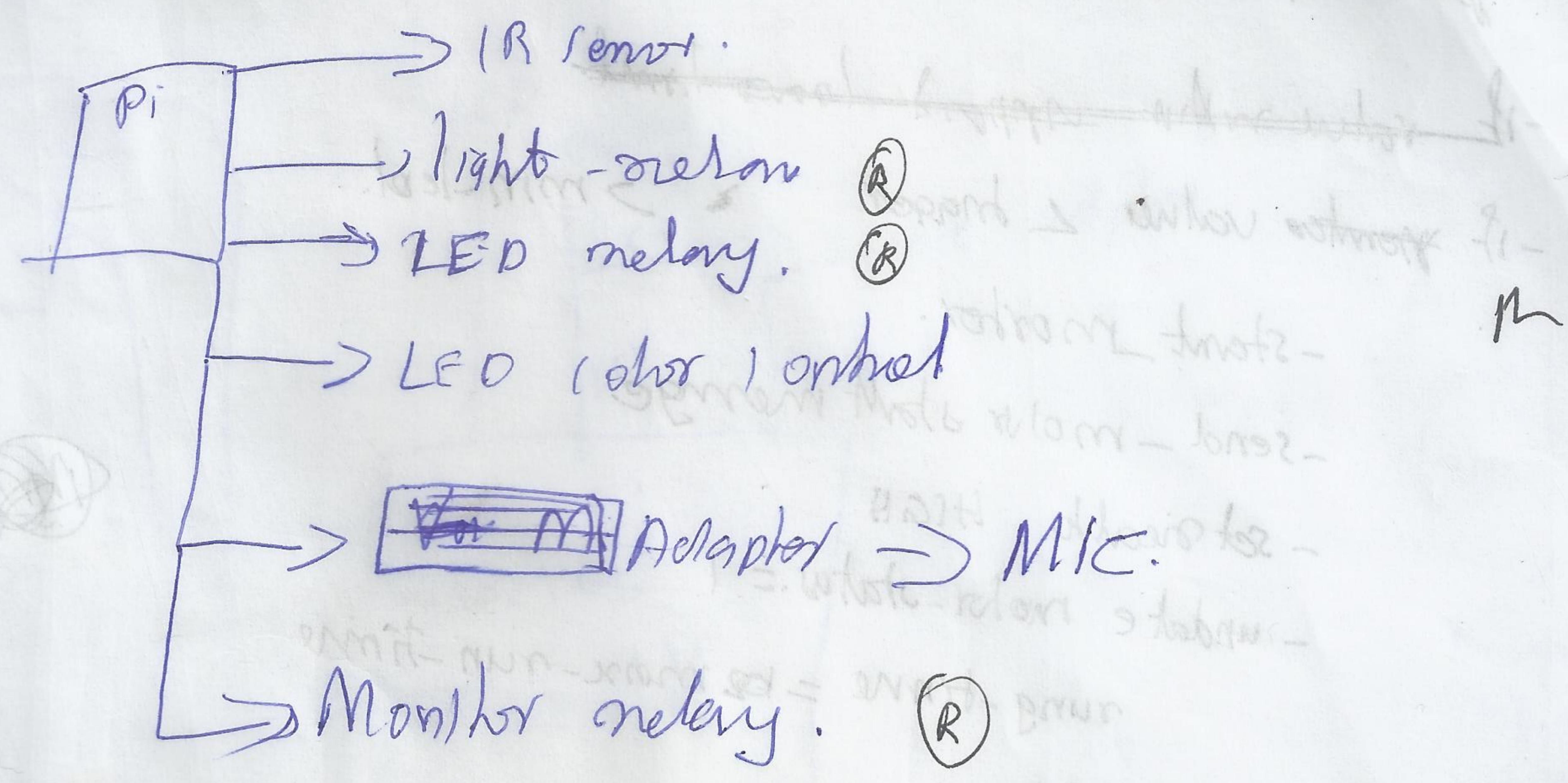
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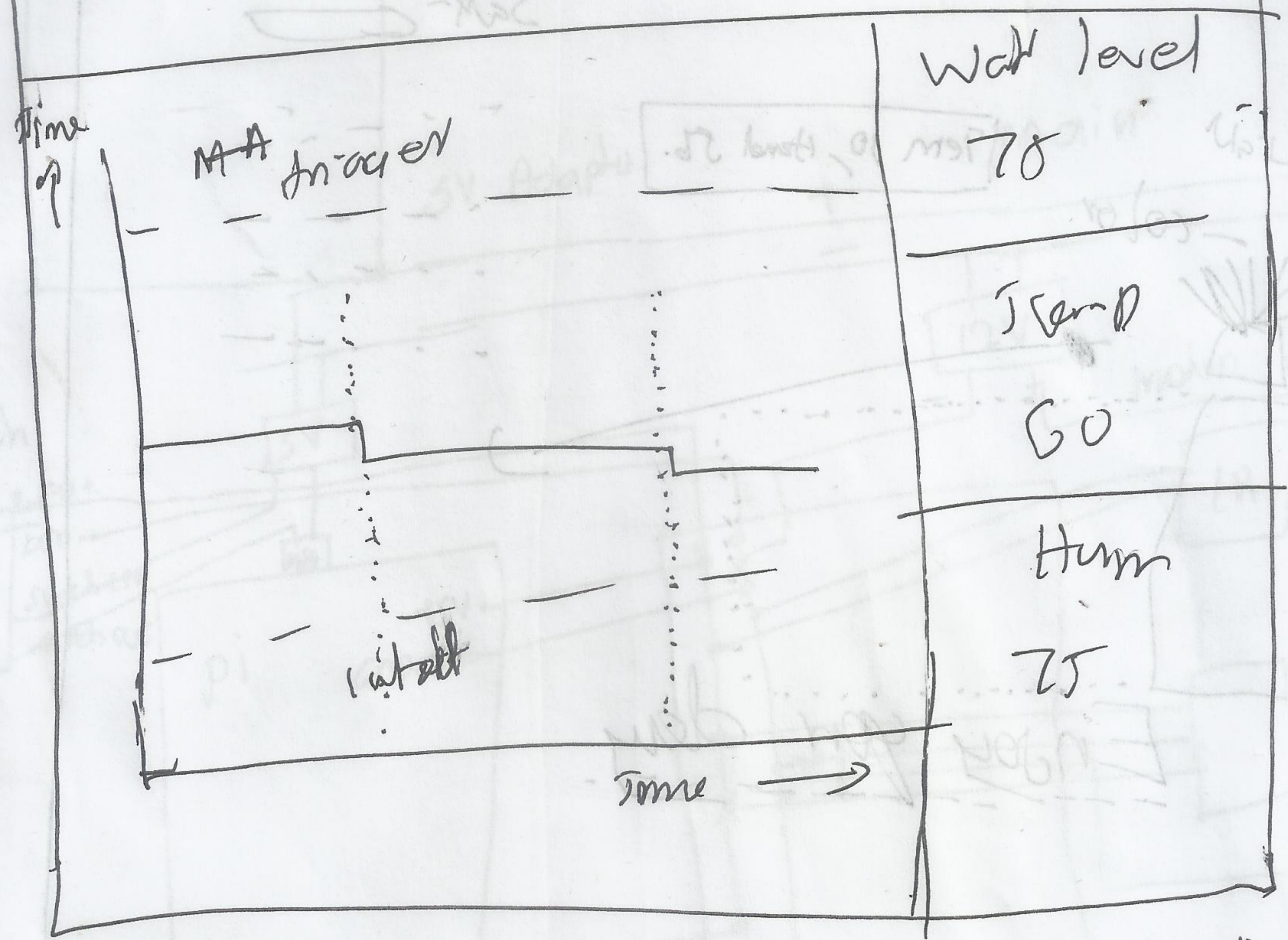
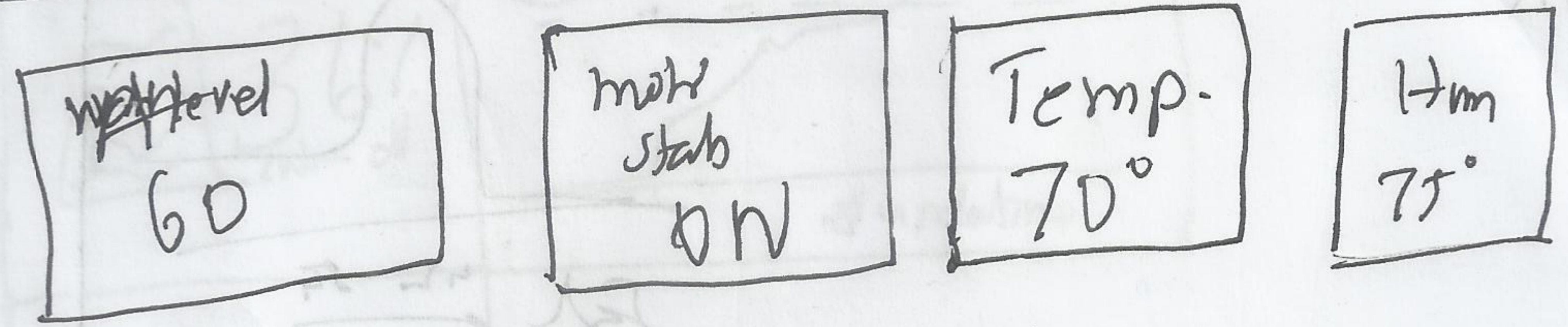
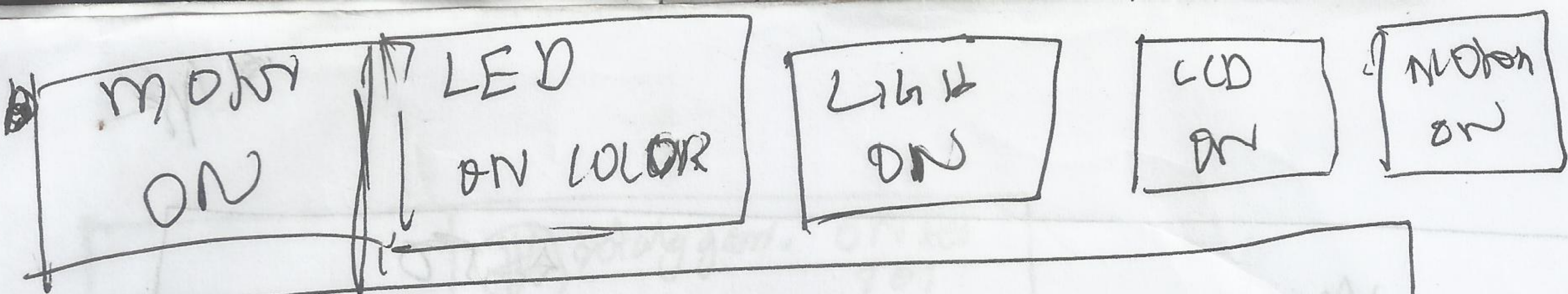


Indian Airline

- Friday - Make software ~~face~~ web-admin interface
- Saturday - Rappi test sound, IR sensor integration
- Sunday - Rappi communication with websocel.
- Monday - Rappi pi mmo screen integration
- Tuesday - Rappi pi deployment & final sensor integration.
- Wednesday - Full system testing & optimization
- Thursday - Video and publishing.
- Friday
- Saturday

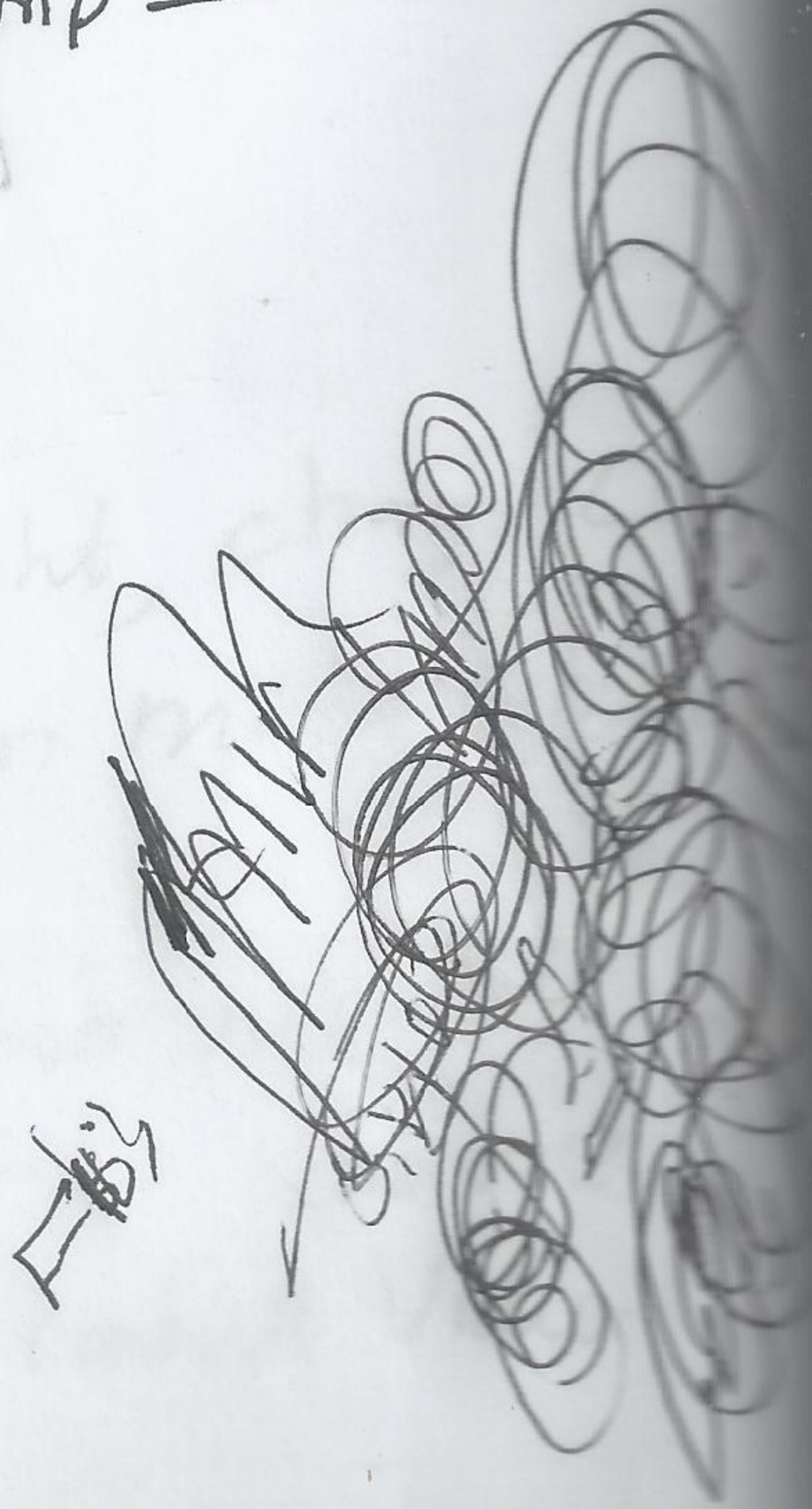
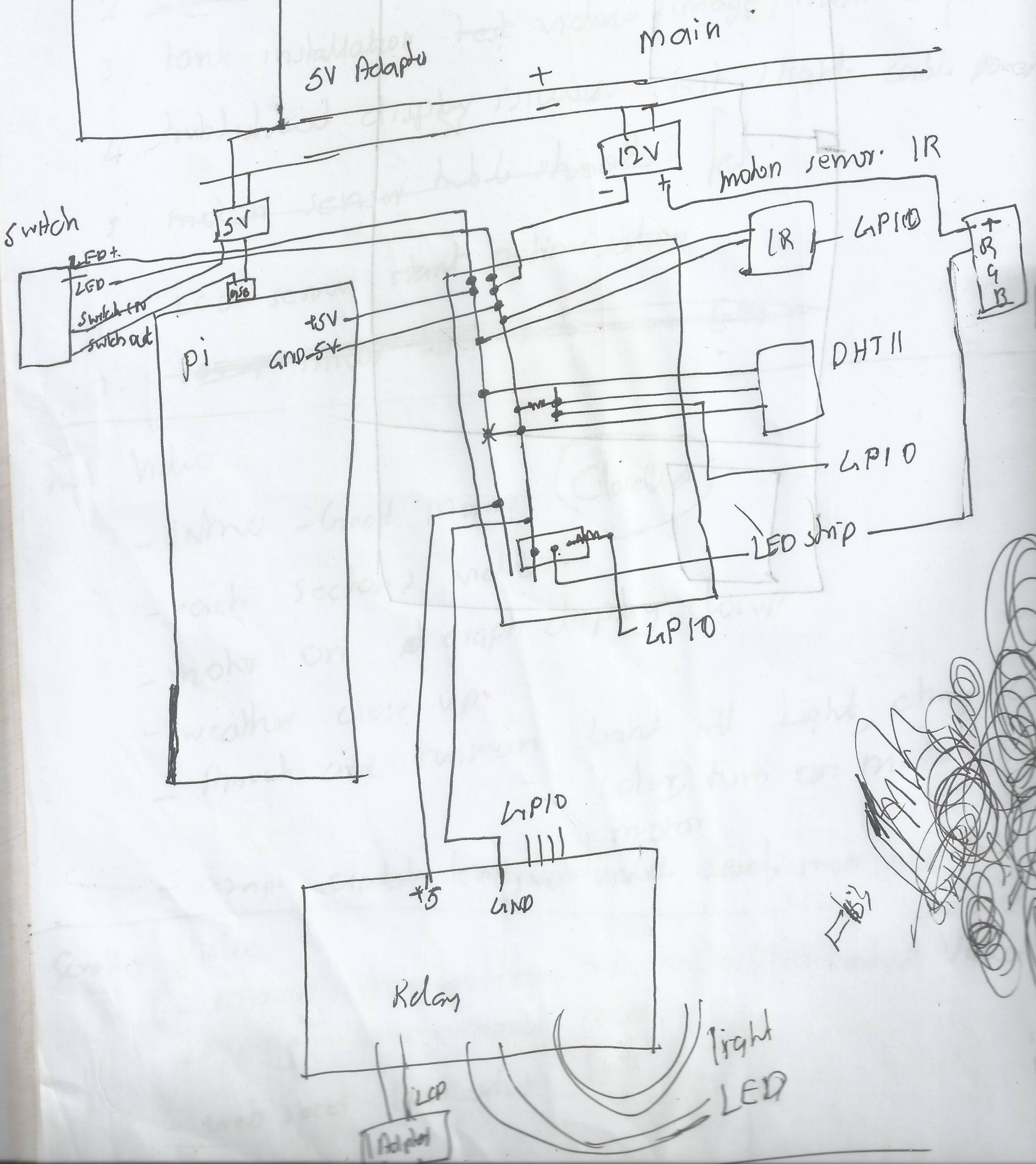
~~Project~~ Smart Home Automation





ASMIN

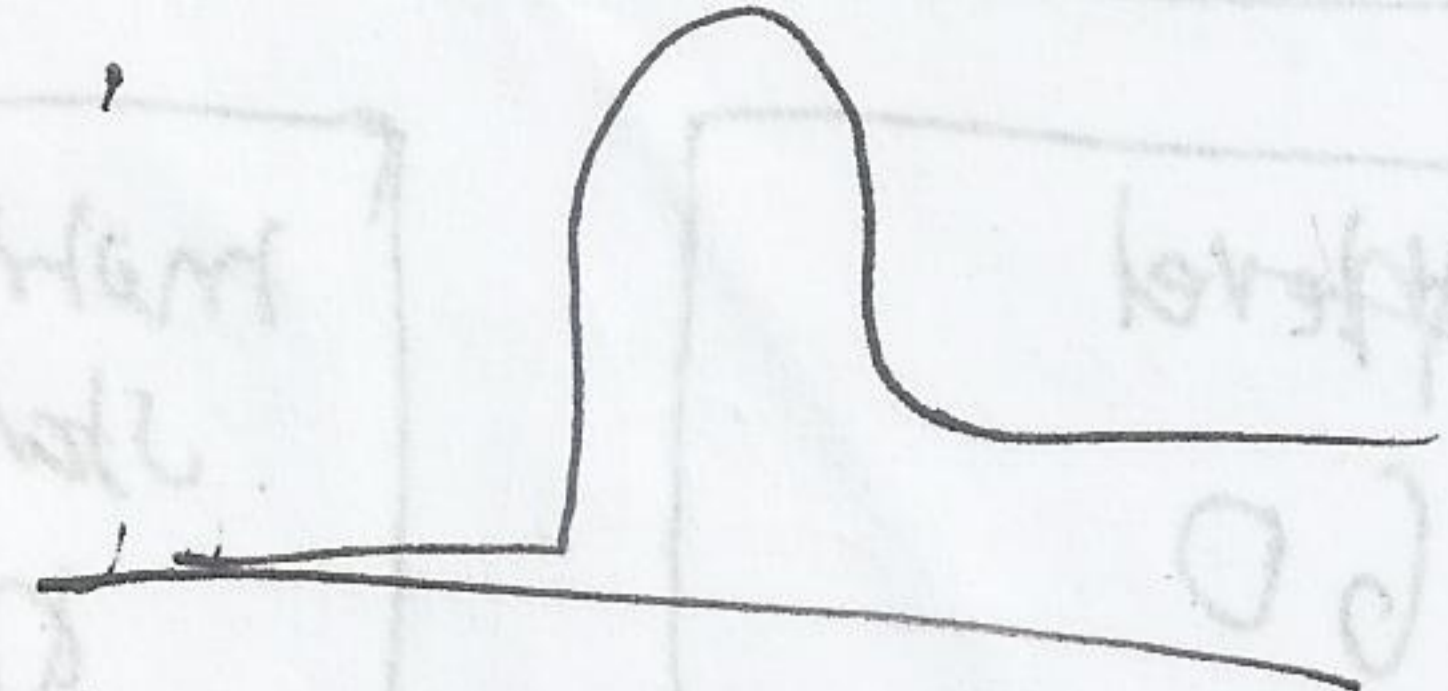
- └ motor detected.
- └ motor turn on
- └ light turn on
- └ LED turn on



5:36 AM

hold on

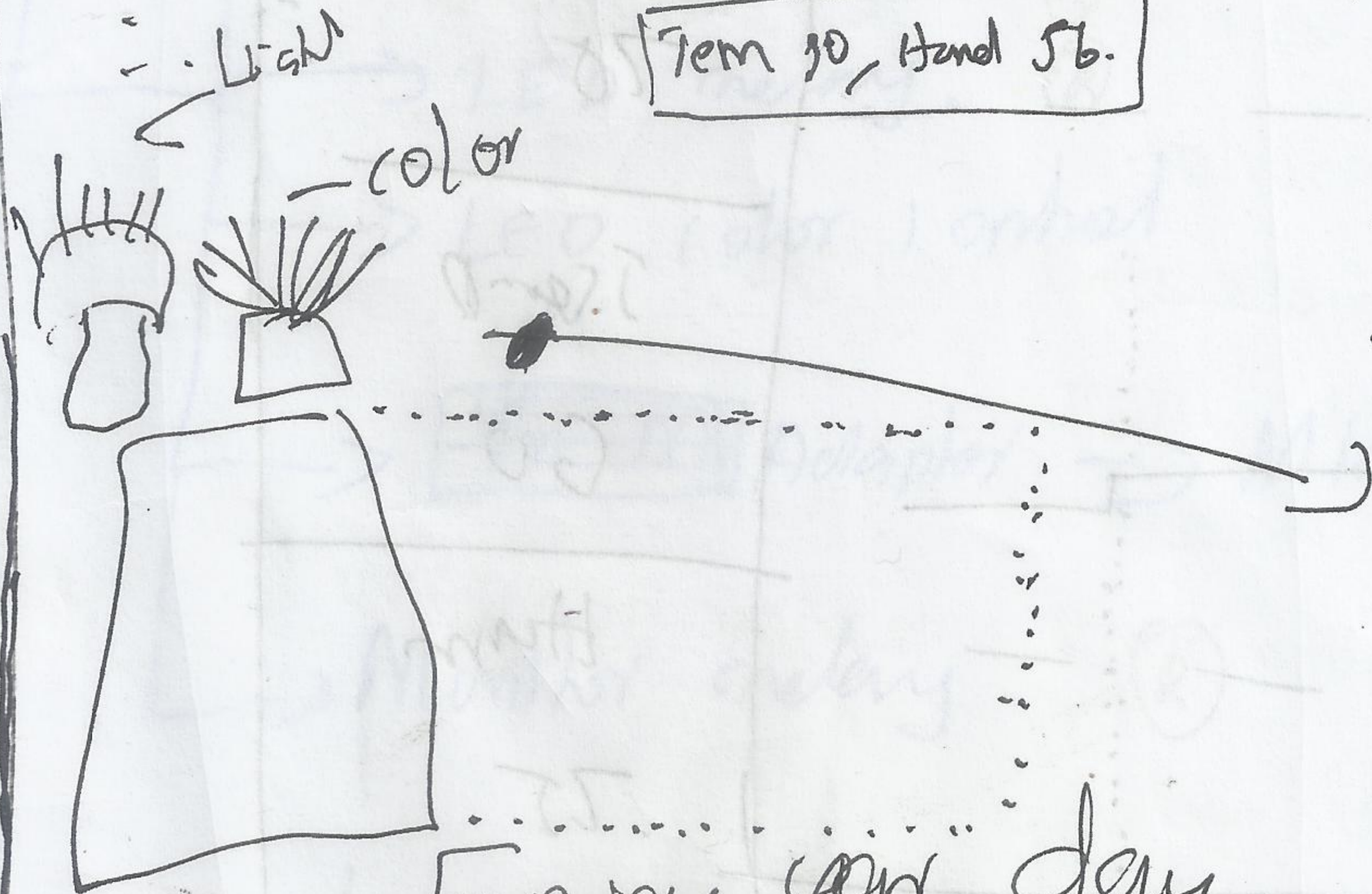
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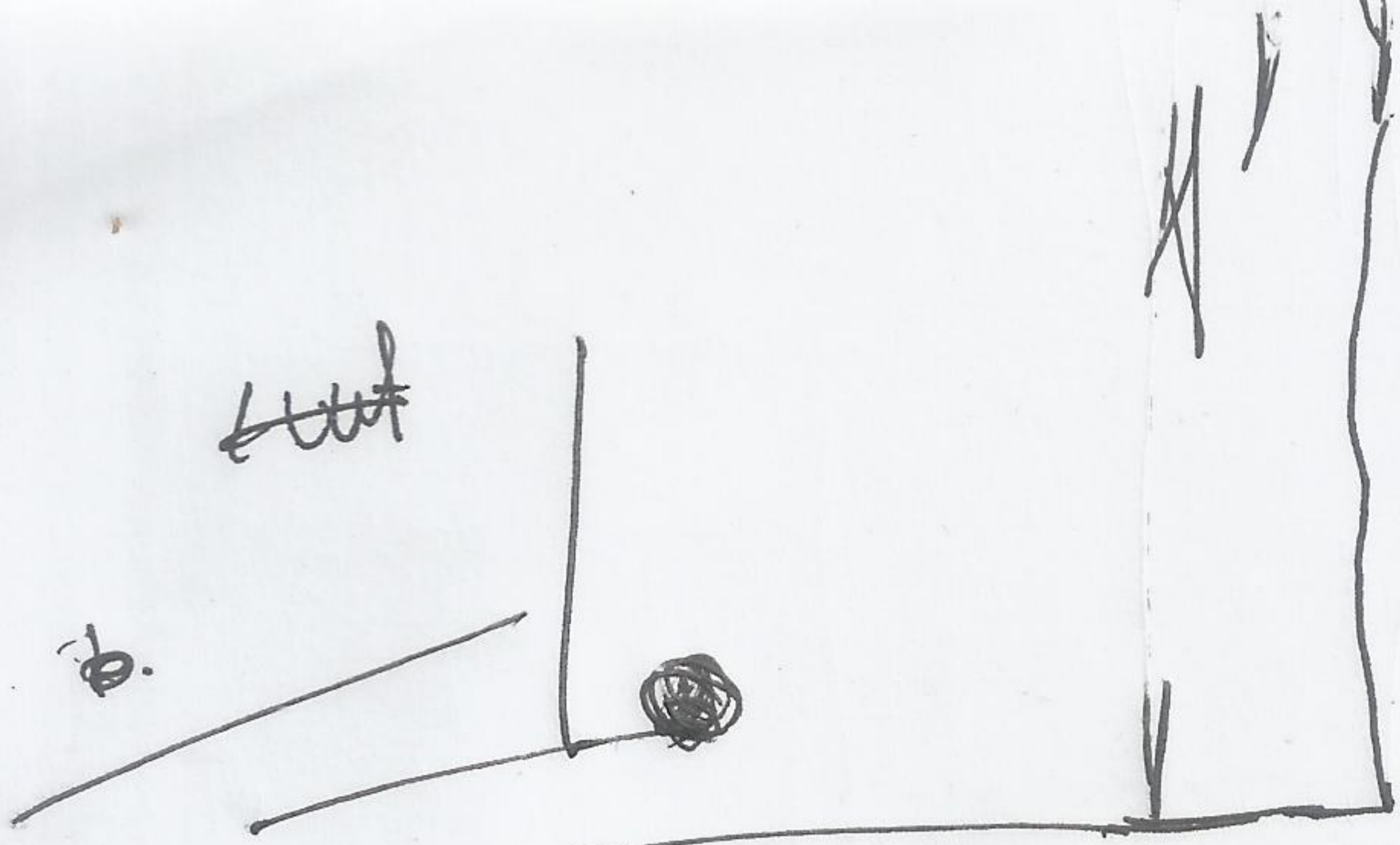
50

Temp 30, Hand 56.



Enjoy your day

Create Copyright



1. ~~corner~~ light + pwr supply ✓

2. LCD screen brightness set

3. tank installation test video / image / motor on / off

4. subshell display issues, test light - cable power.

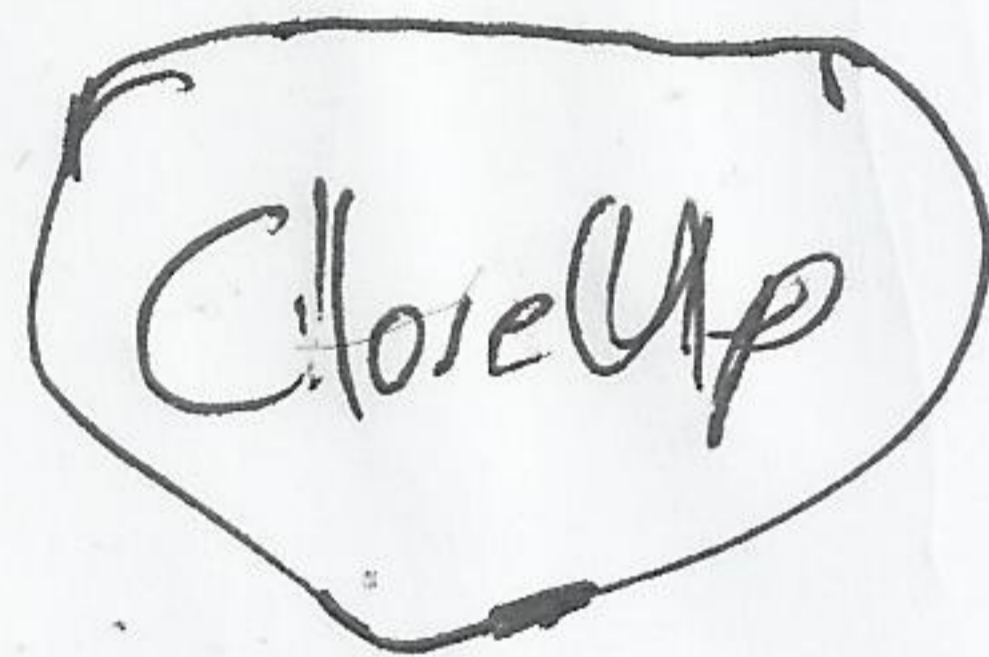
5. ~~motor sensor~~ subshell part.

6. LCD screen start optimization.

7. ~~tower mirror back side~~ 6/6

Full Video

- intro - Good Morning



- each section video.

- motor on & graph display. close up.

- weather close up.

- Approach and turn on light off Light, change LED color, turn on motor, turn on motor.

- graph update level, ~~update~~ update level, motor switch off

change.

Scrolling Video.

- mime voice detection. into section. Web control Video.

- typing voice command. code.

- web socket connections list.