Client Meeting

Project

- No server/microservices

Module 2

1. How should information (energy usage and device usage) that's collected from the devices be displayed - in charts/tables etc/reset every week?

    Yes, the system can show the data on weekly basis. Data analytics should have visual diagrams like charts and tables

2. Will there be an alert functionality when the energy usage exceeds a certain amount?

Yes. Very important function

3. Will all device usage be uploaded by the user?

Yes. All will be uploaded by the user

4. What other information is required by the system for each registered smart devices, besides log usage (easy identification of registered devices?)

Depends on the device is used. Key information is logging as it has everything.

5. What information should be shown in the statistical report generated by the system?

Depends on the device used. Key thing is the energy consumption. Energy saving. Performance of the devices and which devices is faulty

6. How should the data be protected/ What data should be protected?

    a. Encryption of data during upload?
    b. Showing required information only, and hide the rest?
    c. Only allowing the authenticated user/user group to view all data?
    d. Unauthenticated users will not be able to view any data

Depends on the device is used. Protection of data during upload, have security measures. Encryption = extra layer of security

Very important. Showing profile details to another household etc. System must avoid other people outside the household to access the data

7. What would you like to optimise in terms of energy usage? Less power? Less activity?

Of course. Less electricity bill

8. Could you provide an example of the dummy structured data? For the devices, does each device have a unique ID?

A class for each device.
Each device has a
unique ID

9. What kind of statistics would you like? Could you specify some examples

Energy saving, energy consumption, performance on weekly basis

10. What kind of predictions would you like? How complex should the predictions be and how should it be presented?

Use creativity to answer those things. Show how to present the data. Data that shows which profile is the best at energy saving and which profile consume the highest energy.