SPRINT REVIEW

Sprint 1 :

This sprint's main goal was to understand and document the Client's requirements.

Sprint 2 :

In this sprint we had a brief overview of the project, product and things on which we will be working on, but during this sprint, we took an indepth look into the various aspects of the project, the functionalities we had to work on. The first step was to prepare the SRS document and get it approved by the client, to ensure common understanding and correctness of the user requirements. There are many use cases and users involved, which came down to developing a mobile App. We had team meetings to come up with design and **B1hub APIs** which would satisfy the user requirements. Documentation was an essential part of this sprint as we documented the **SRS**, **project plan** and **design document**. Among these, the **design doc** is the document we need to further finalize after consulting with the client.

Sprint 3 :

This sprint's main goal was to generate a proper **project plan** and a d**esign document** for the project and have them **signed off by the client**. We had repeated meetings with the client, where we both brainstormed about the necessity of each use-case and its technical design. We planned what to be submitted as a part of the **R1 release** and the basic workflow. We planned the design of the app and the different models to be used in both the front end and the backend. Also, we initialized the backend app and the frontend app. We decided on the workflow of the app and also designed the prototype of the app. **A major part of this sprint was proper planning of how to develop the application and researching on what more smart functionalities we can add to our smart classroom**.We started coding the application (backend and frontend) but we did not integrate it yet.

Sprint 4 :

In this sprint, we finalized the templates and the main workflow to be used for the frontend. At the end of this sprint, the backend separately was completely functional in terms of sending requests to the B1hub APIs to control the AC's and Projector. However, we did not integrate it yet.

Sprint 5 :

In this sprint we started designing the front end of the app asked by the client. We also met B1 Hub experts to decide it's ideal positions in the classroom to maximize the efficiency and minimize the no. of devices used. We also started building CO2 sensors and developed more temperature and humidity sensors to get outside data also. Circuit of light control attached to ESP32 was also developed to make it fully functional.

Sprint 6 :

In this sprint since we were back at home we started work on an app only. We finalized the design of the front end of the app but it since it has too many buttons so the client rejected it. We again started making designs for the front end. Meanwhile an API to control the all 4 B1 hub devices were made.

Sprint 7 :

In this sprint, we first finalized the second front end design and the client approved it. We started working on implementing it in our app by re hashing many buttons. After rehashing of buttons was finished then we started making API's according to new buttons developed.

Sprint 8 :

In this sprint, Client asked us to make a detailed report as we can't deploy the devices. So we were asked to prepare a documentation which explains all parts of the project. Meanwhile, the client again asked for a change in front-end design which we implemented in it. The testing of the app was only done for the front end and checked that each button is working fine independent of other buttons in the panel.