

Scrum Project Report

In this report we are going to represent our workflow in sprints using Trello. We are going to represent a timeline with sprints and increments, product backlog history, sprint planning with sprints backlogs and sprints retrospective reports such as –

- what did we do well?
- what have we learned?
- what should we do differently?
- what do we not understand? accordingly.

Our scrum team members are:

Product Owner - Government of Saint Etienne

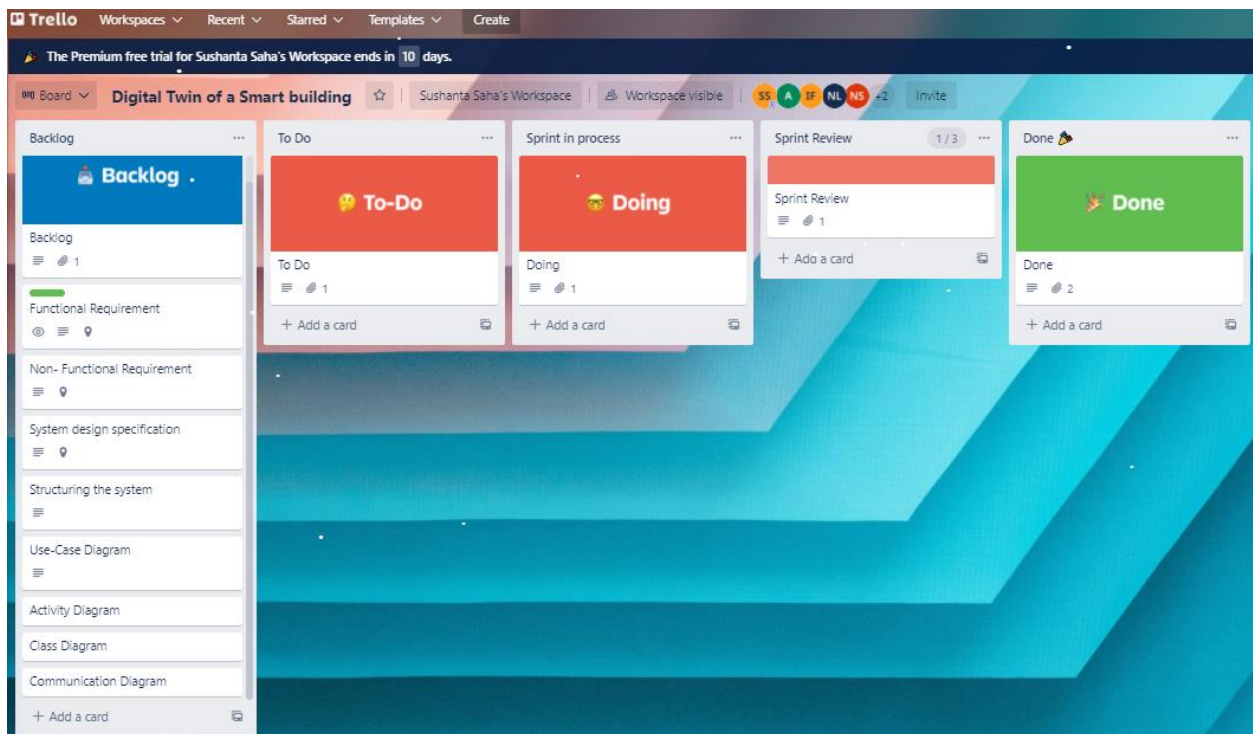
Scrum Master - Nuren Samia

Developers : a) Issac Fatokun.
b) Arshavee Das
c) Sushanta Saha
d) Ninon Lahiani
e) Soumya kumbar
f) Shreyas Harinath

Backlog list are:

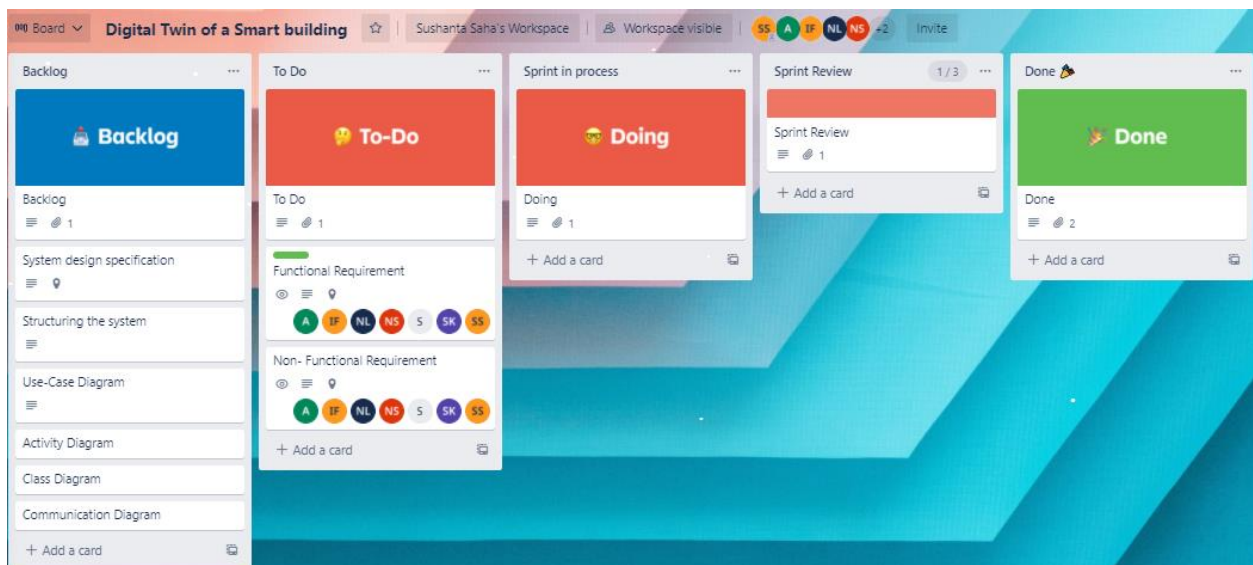
1. Functional requirements.
2. Non Functional requirements.
3. System design specification.
4. Structuring the system.
5. Use case diagram.
6. Activity diagram.
7. Class diagram.
8. Communication diagram.

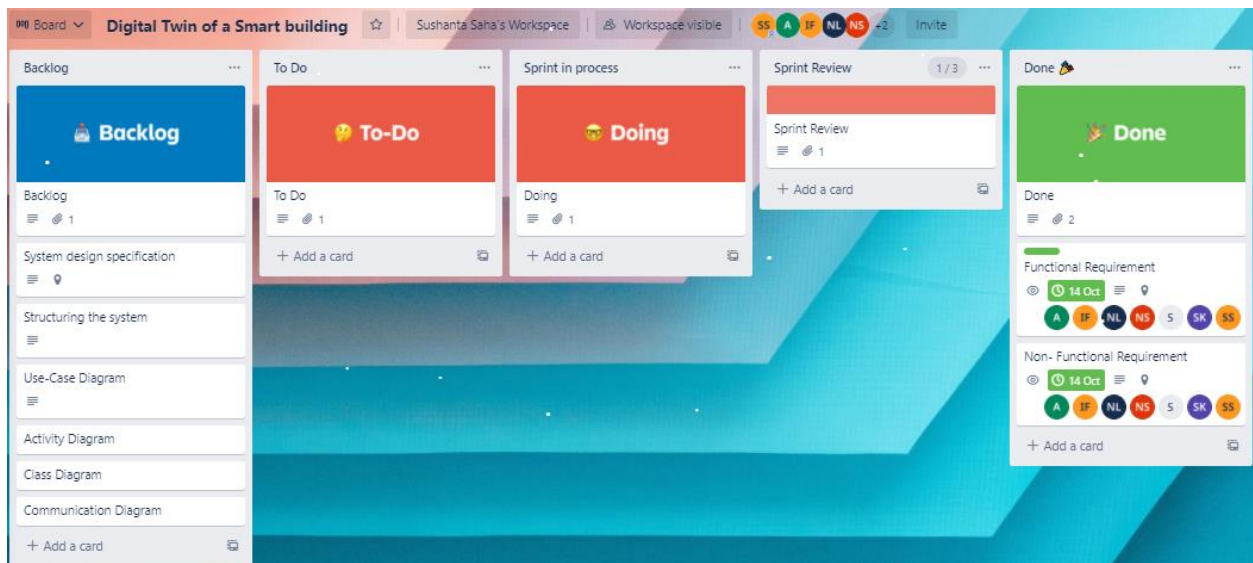
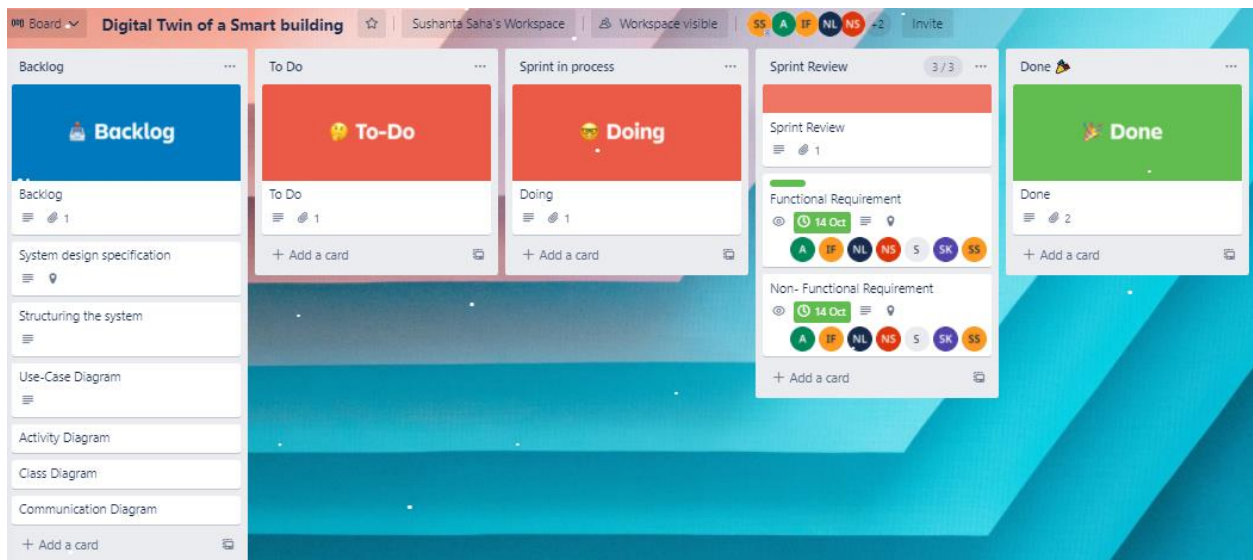
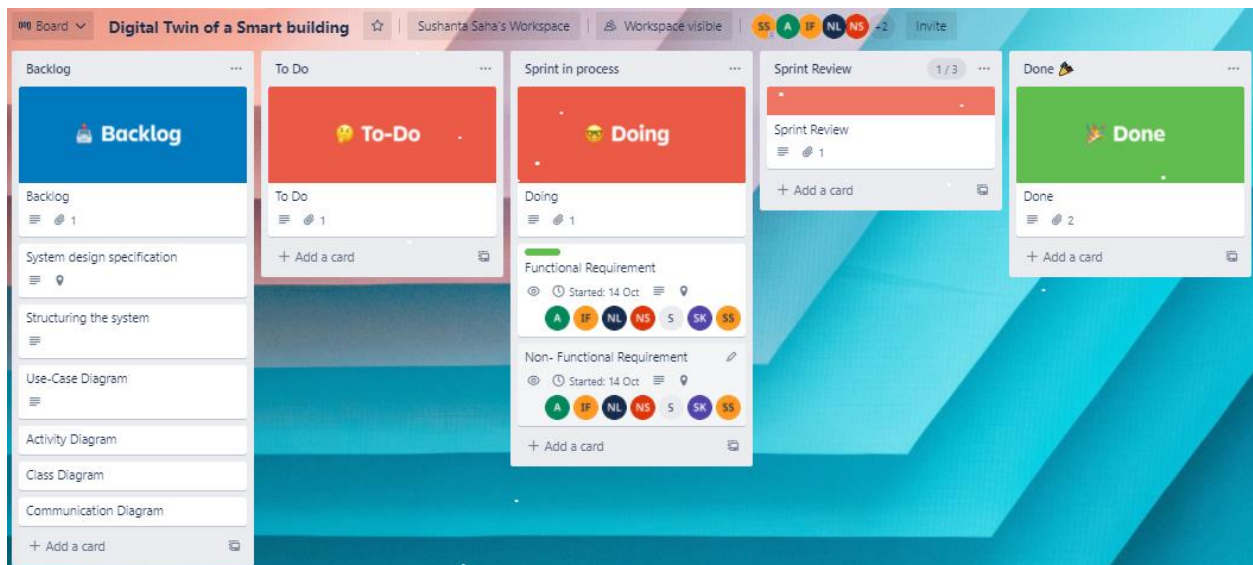
Product backlog on Trello:



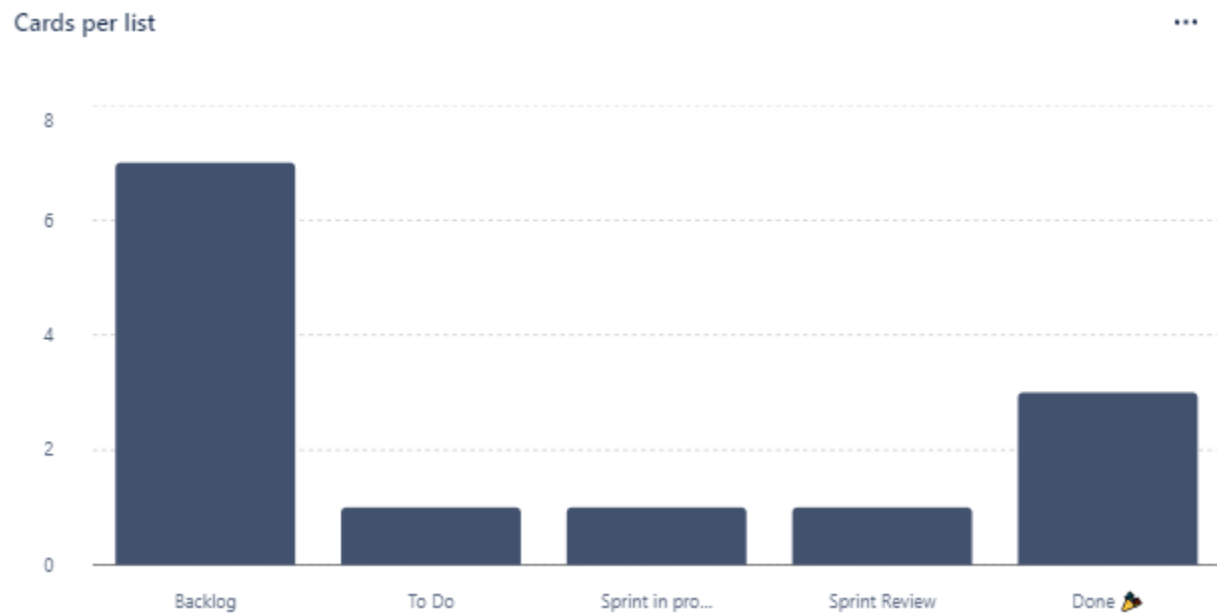
We have started our work on Oct 14. Firstly, we have discussed the problem in between with all the stakeholders. Afterward, we have identified requirements for the system. Because requirements are the first priority for the project. Then we have figure out system design specification and structuring the system, use cases as well as all the necessary diagrams for making the project efficient.

However, In the 1st sprint we work on the requirements (functional & non-functional) and finish it up on Oct 14. Screenshots are given below for representing the workflow.

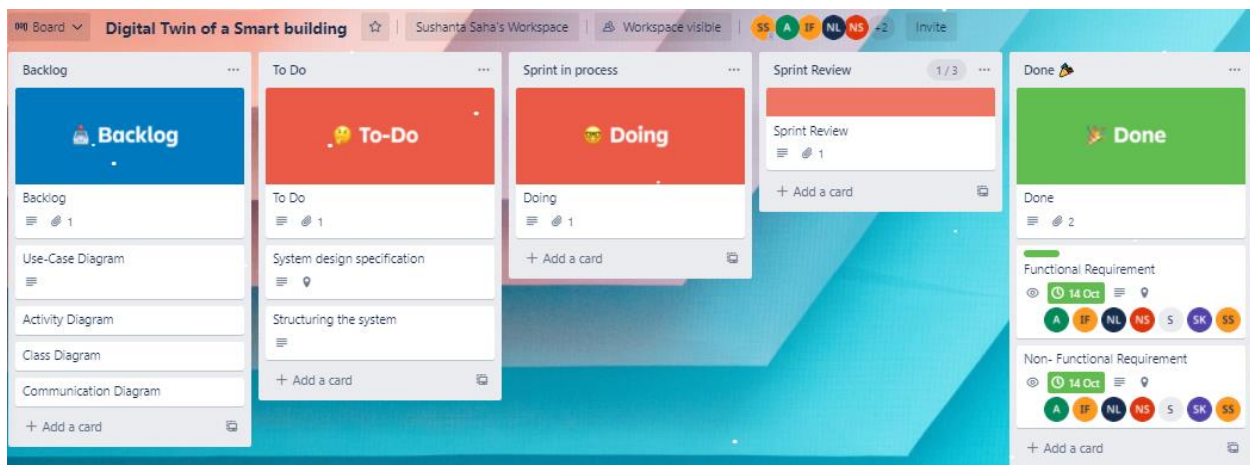


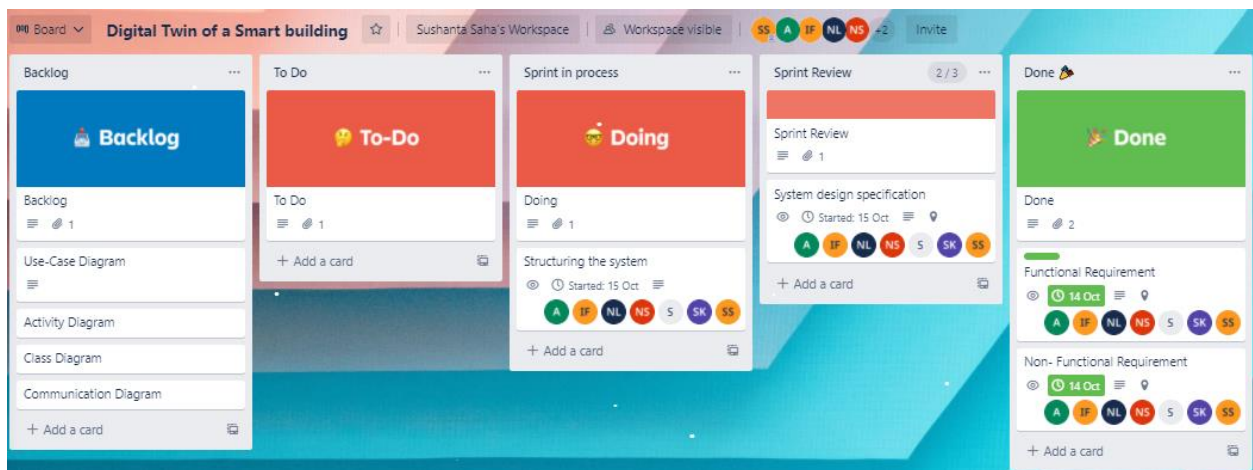
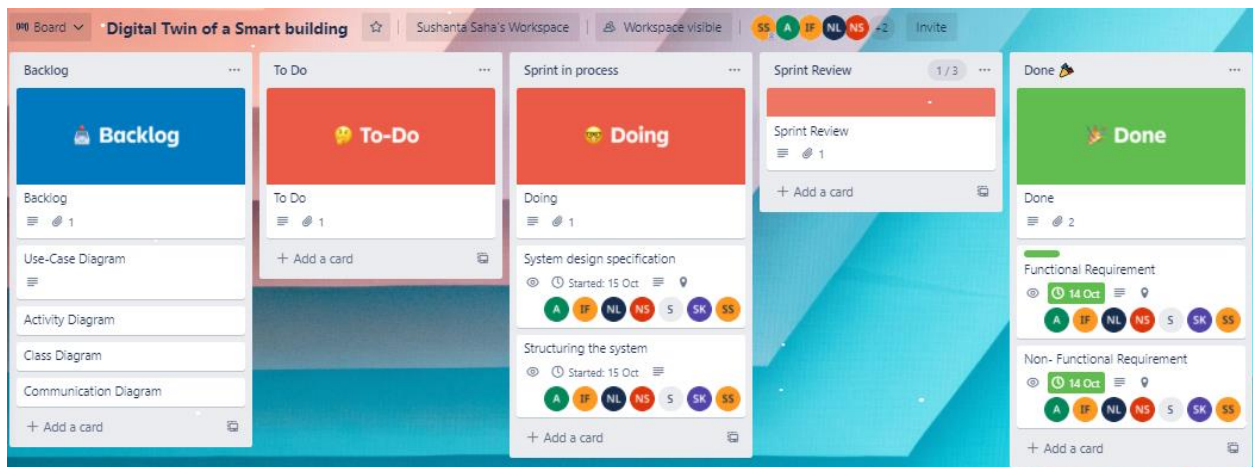
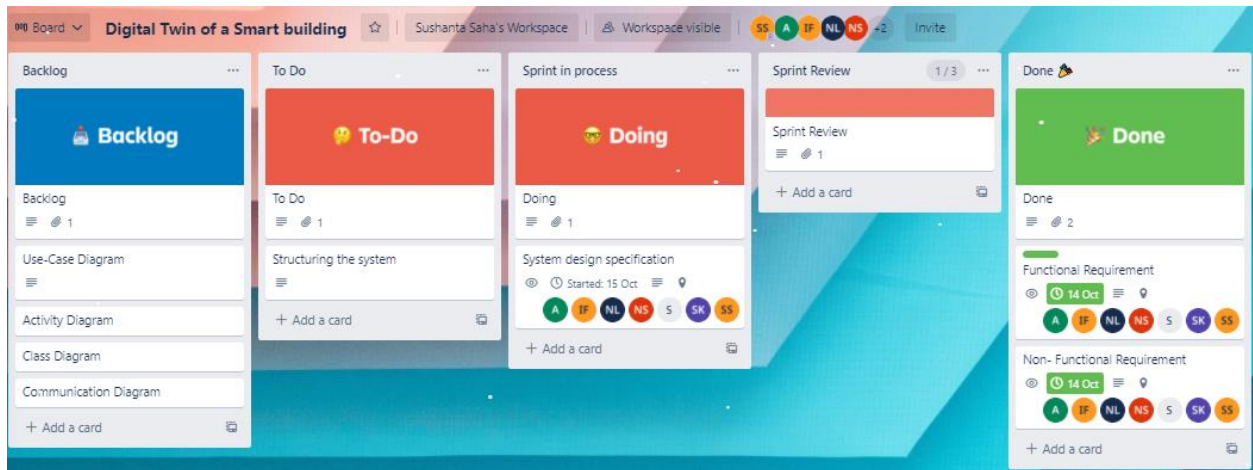


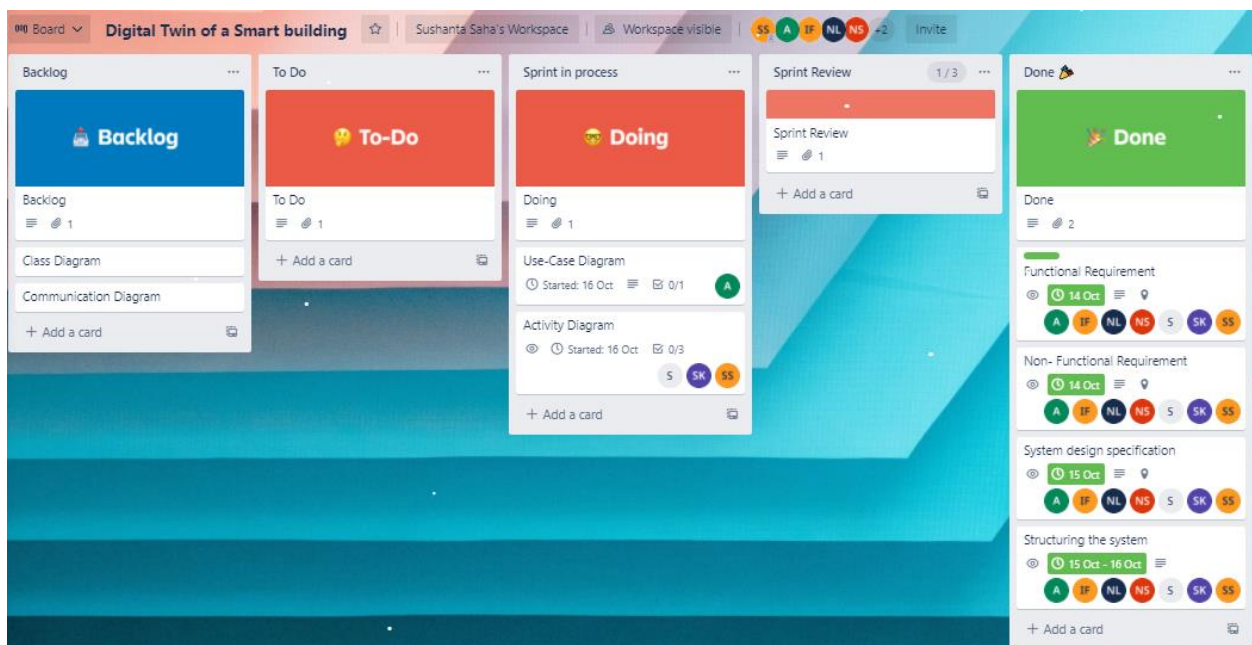
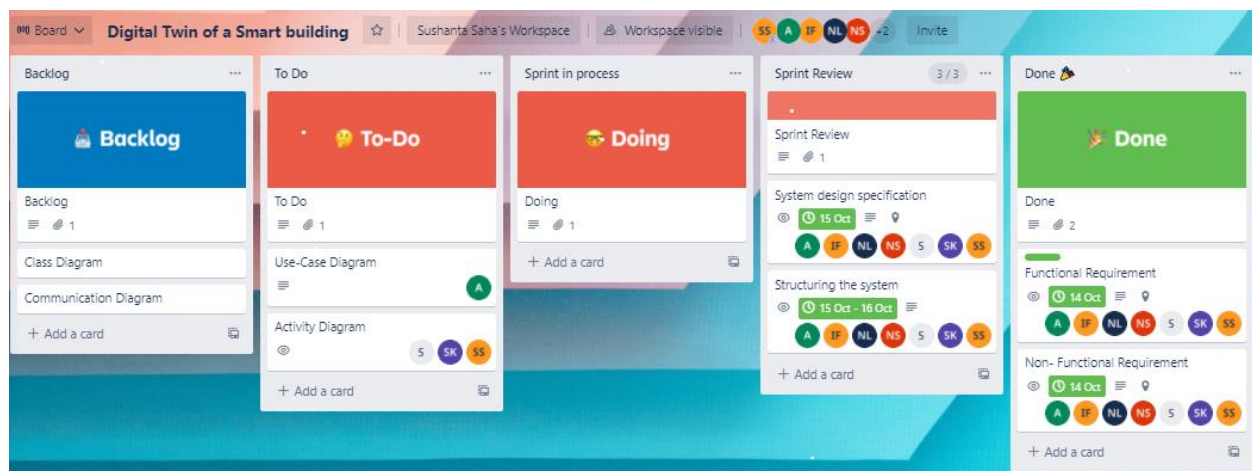
Graph representation after completing 1st sprint is given below:



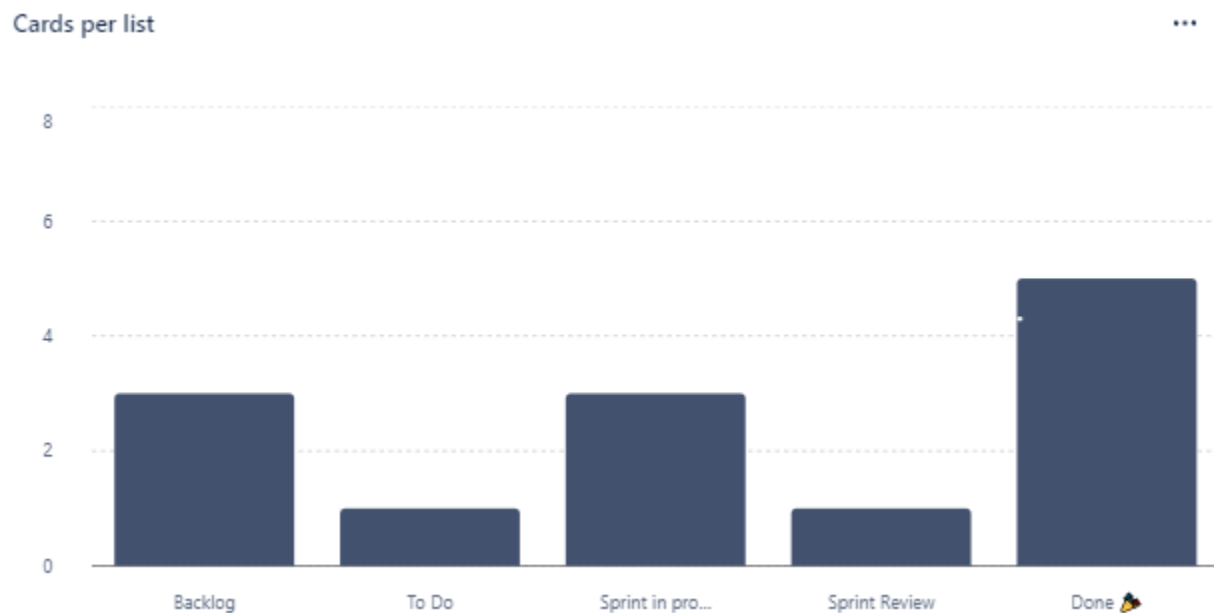
In 2nd sprint the task has been done such as-





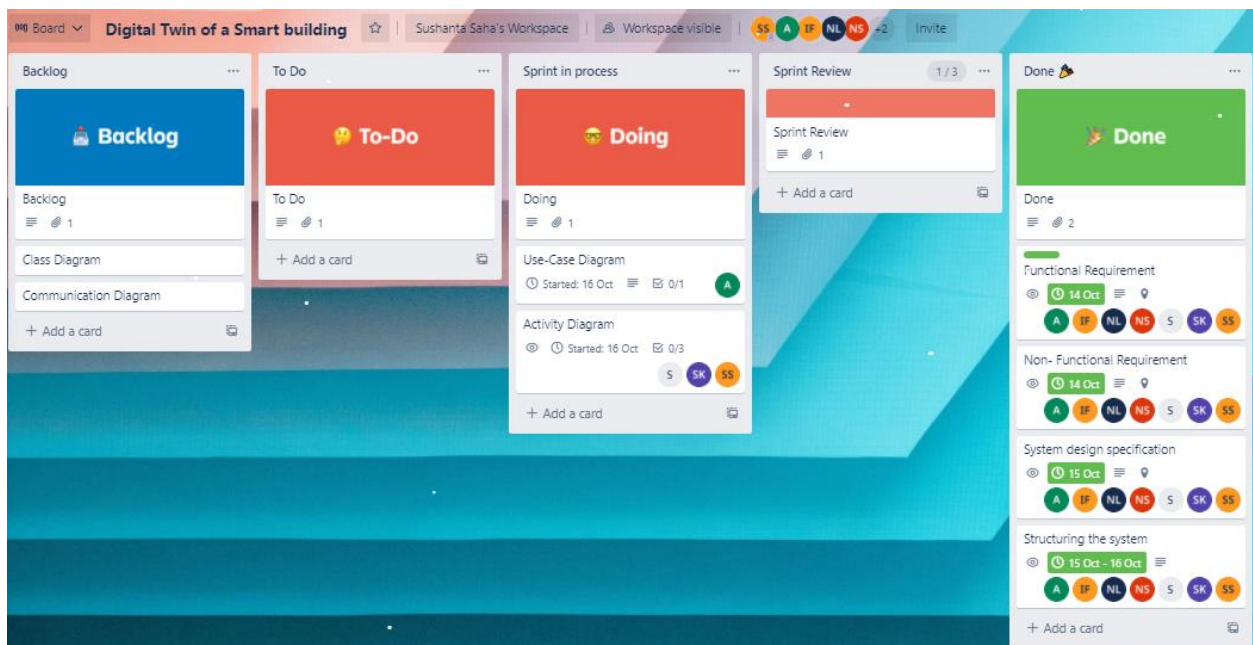
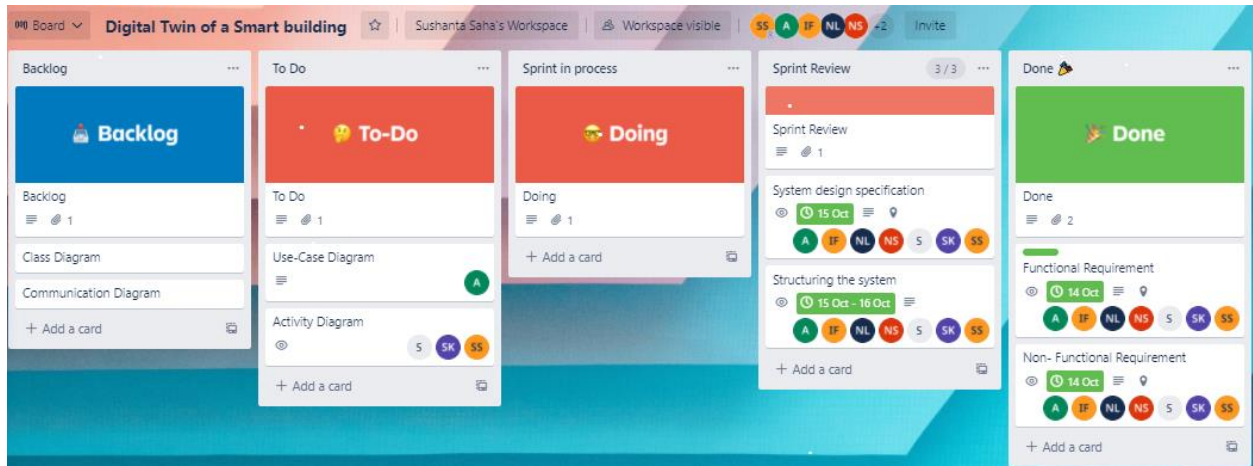


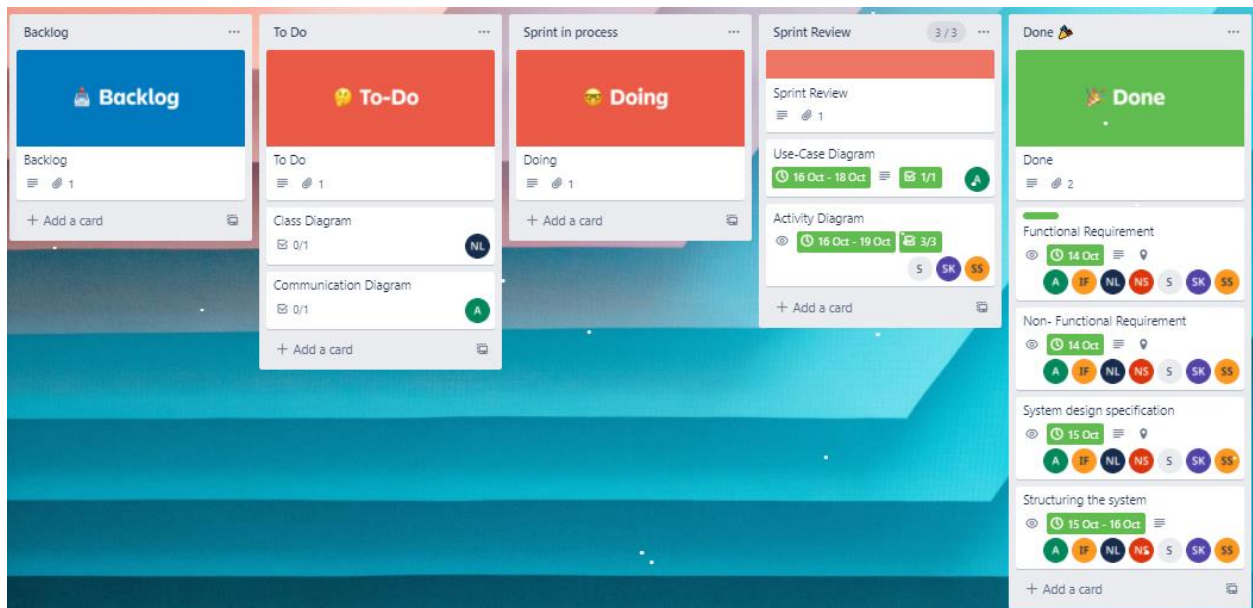
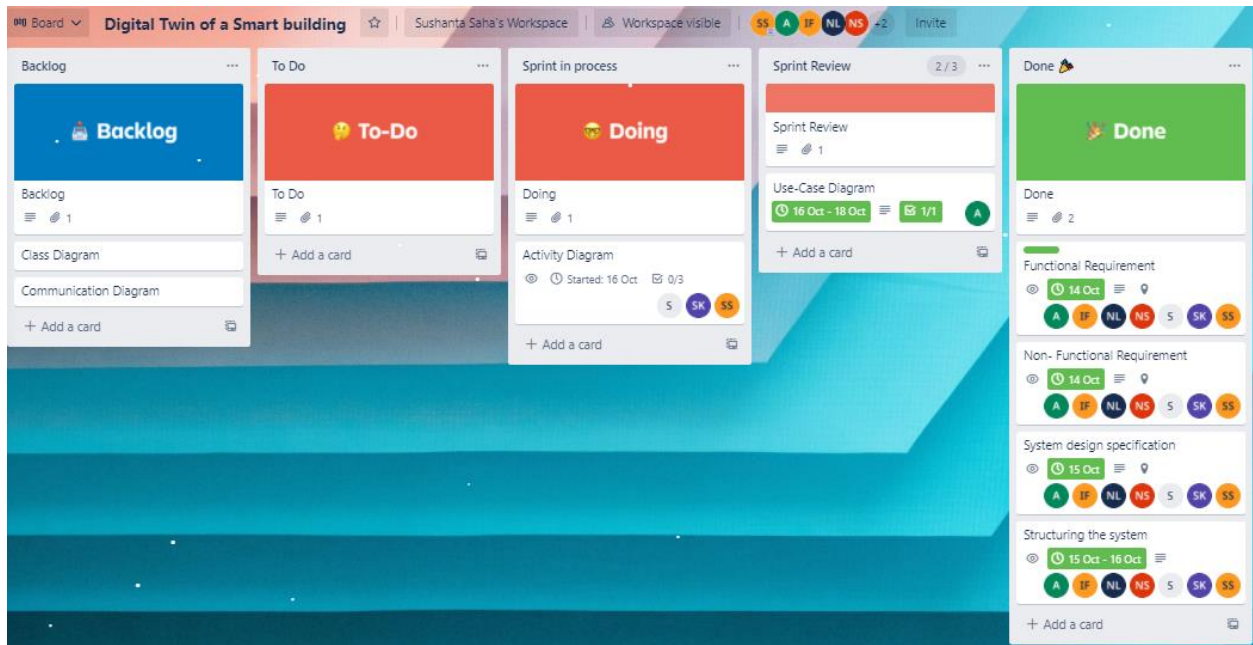
Graph representation after completing 2nd sprint is given below:

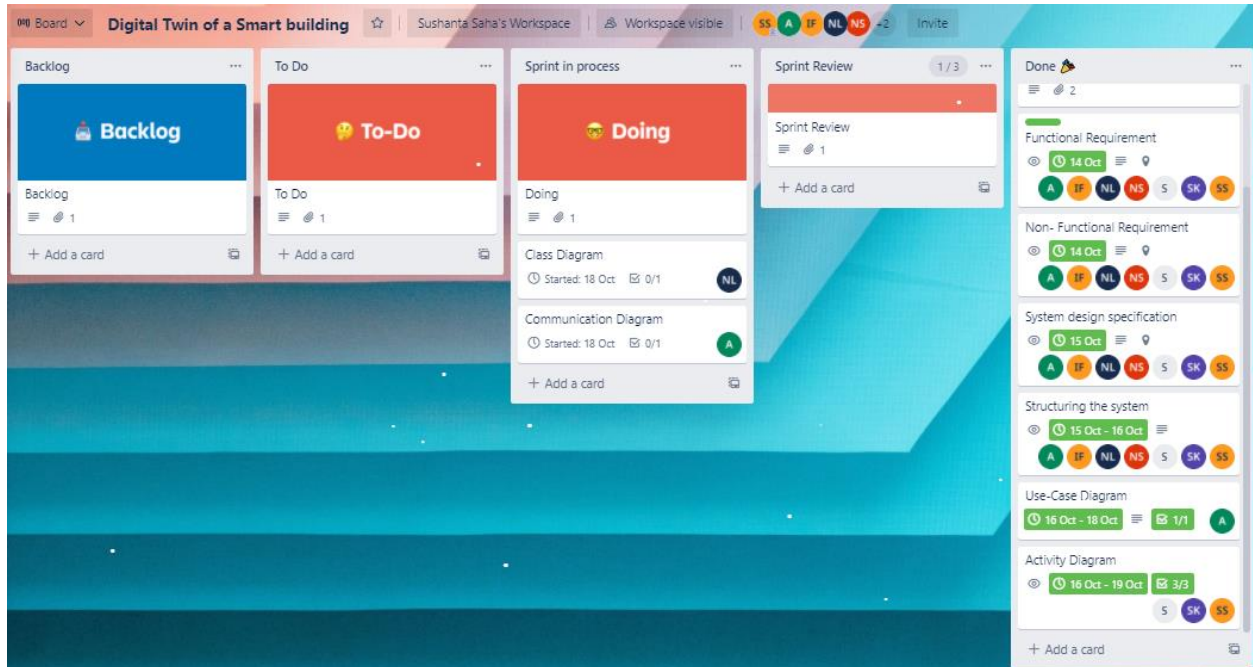


In 3rd sprint the task has been done such as-

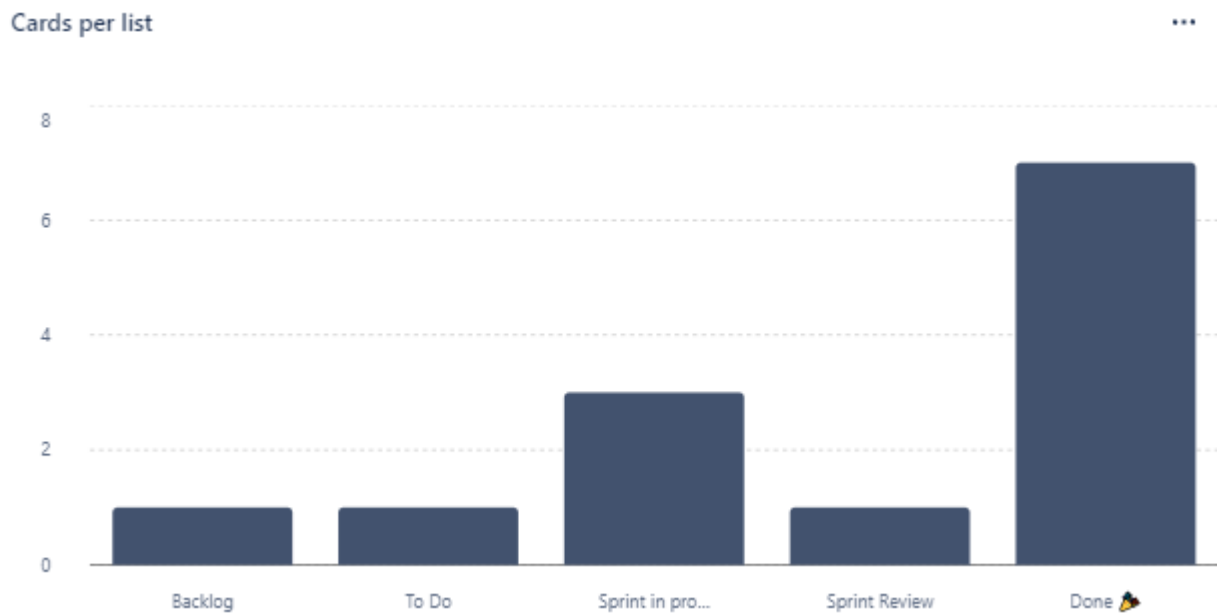
As we can see in the 2nd sprint, we had started our 3rd sprint during 2nd sprint while on going. We have started our 3rd sprint in Oct 15.





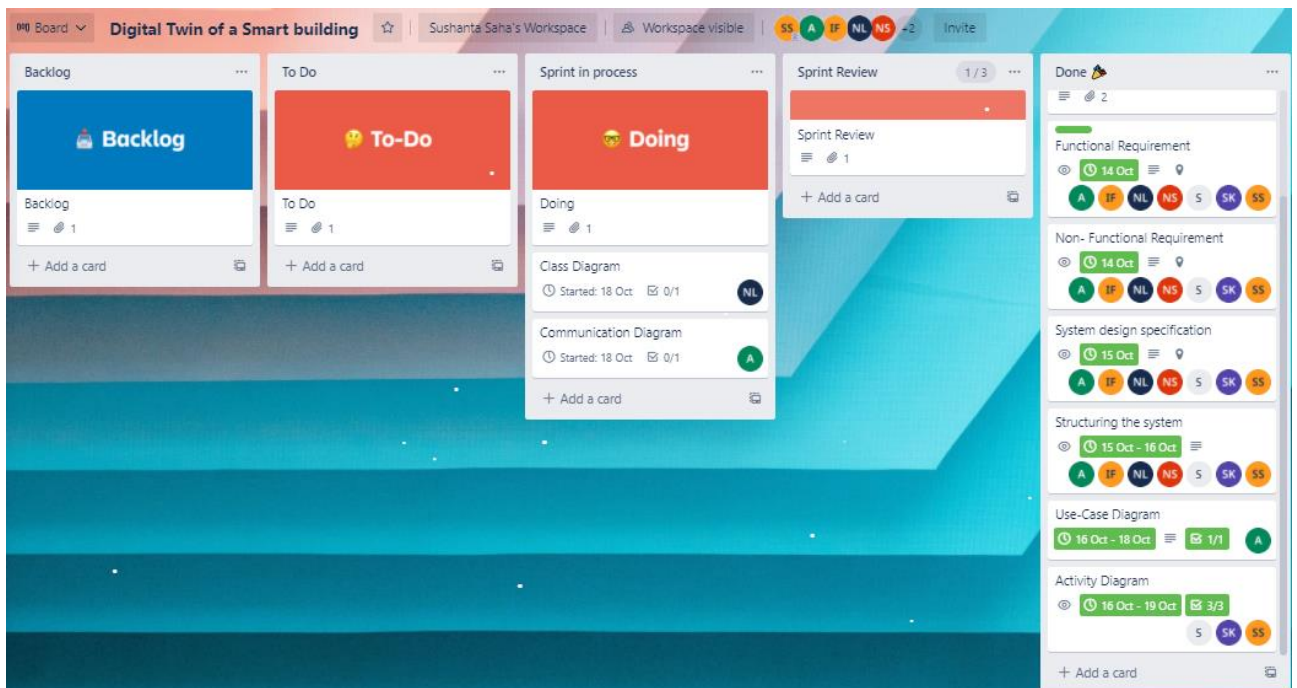
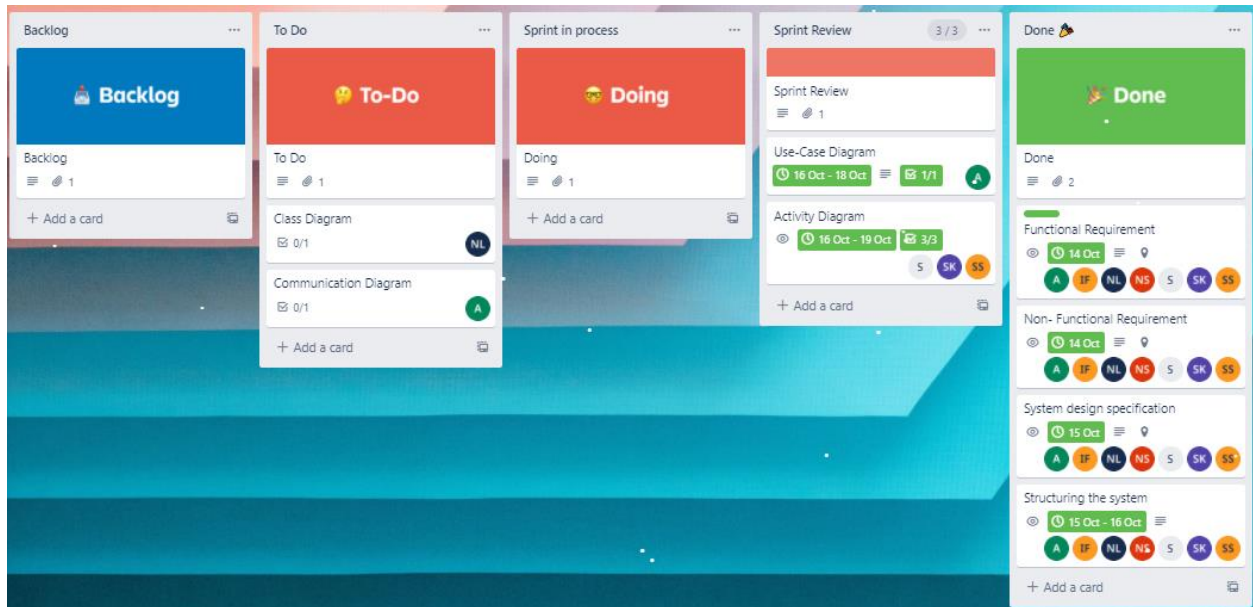


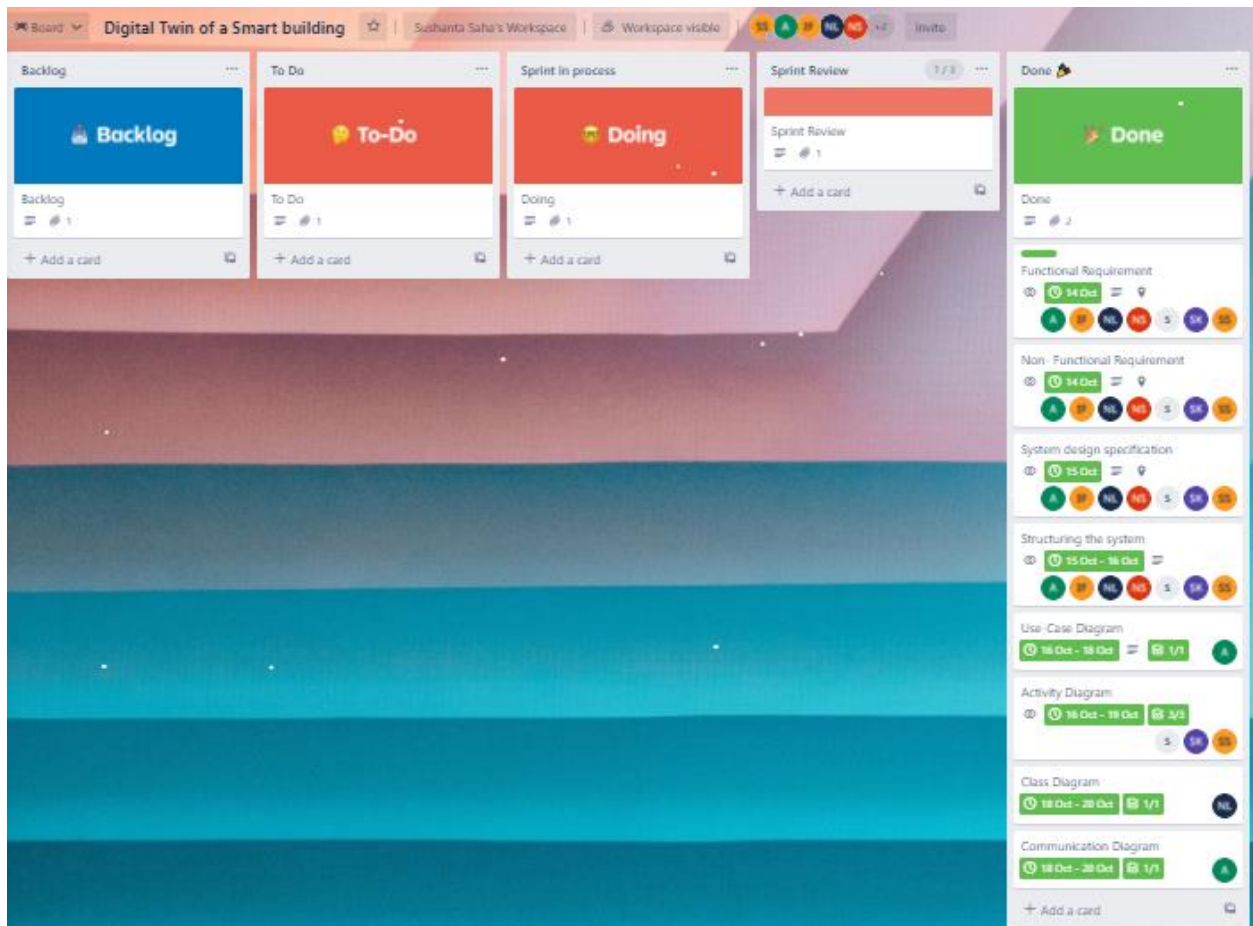
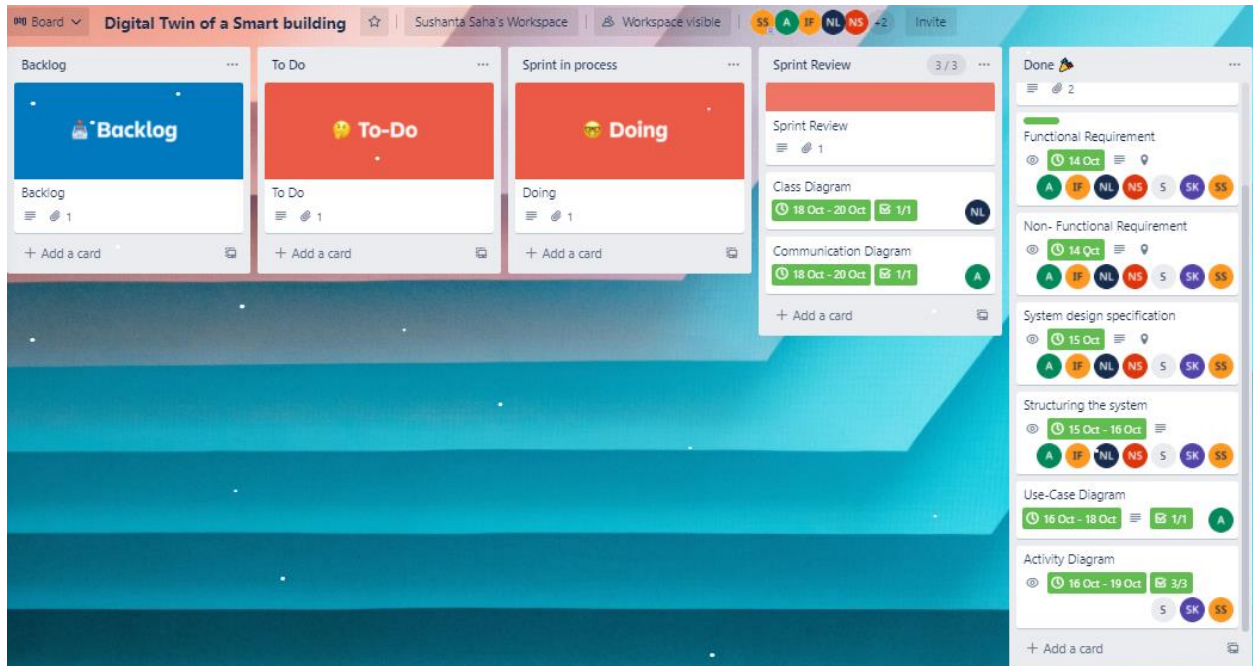
Graph representation after completing 3rd sprint is given below:



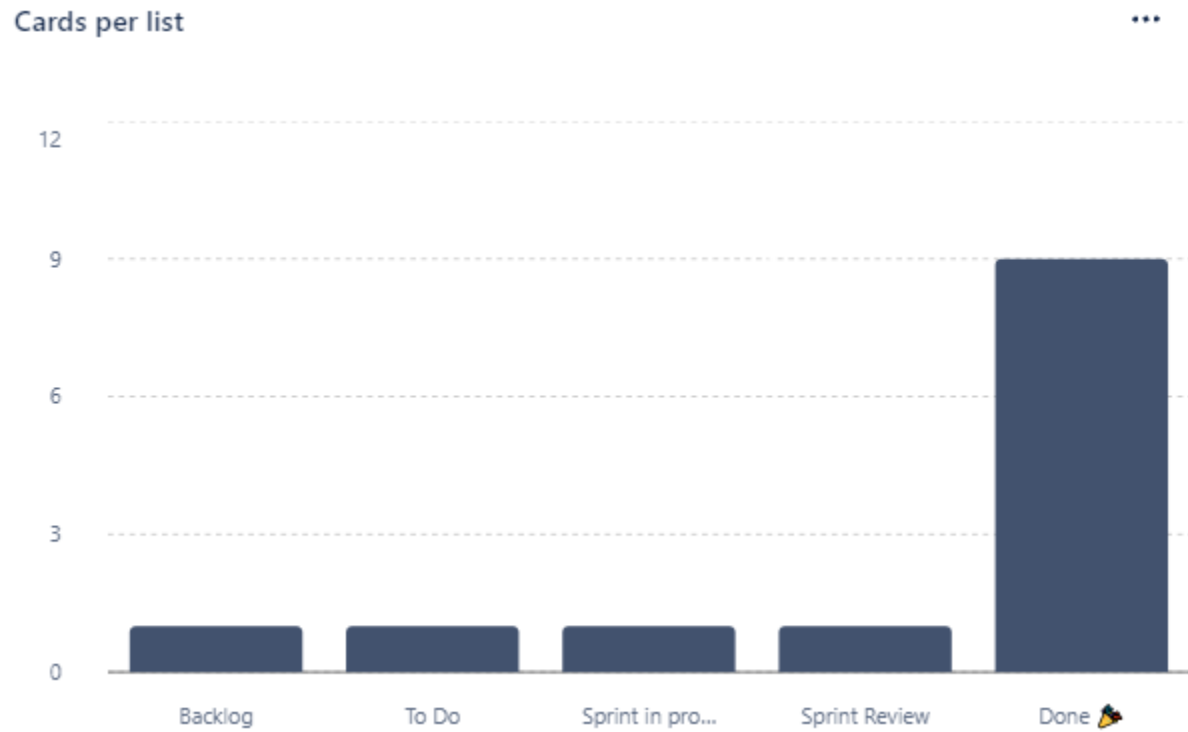
In 4th sprint the task has been done such as-

Also for the 4th sprint, we had started our sprint during 3rd sprint while that's was on going. We have started our 4th sprint in Oct 16.

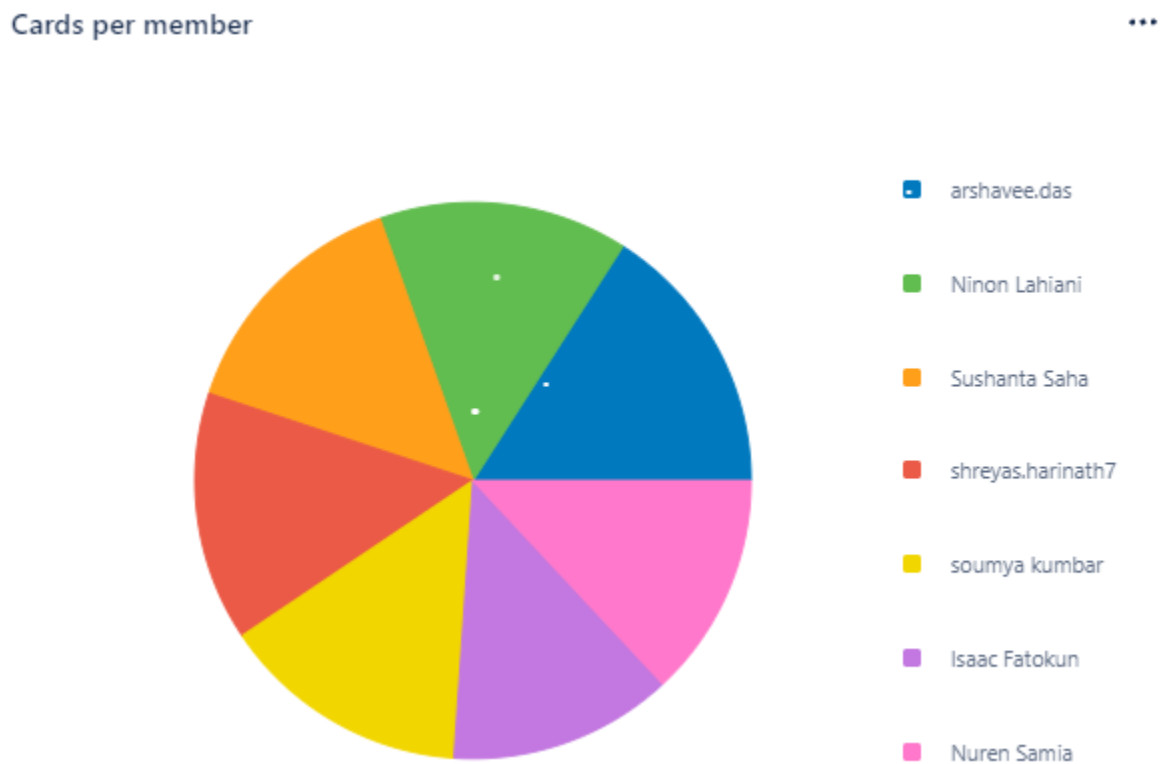




Graph representation after completing 4th sprint is given below:



The Pie Chart representation for cards done by per member:



Scrum Retrospective Report

1. What did we do well?

Ans. We have worked on the project “Digital twin of a smart building”. In this project we have done everything in due time and every person in the team equally contributed to the project. We have so far ensured all the requirements, design specifications, system structure and system efficiency. According to our project, we have fulfilled the target that we wanted to achieve.

2. What have we learned?

Ans. We have learned that how should we do a proper team work in given time and how to distribute the works among the team members. We also learned the technical aspects of a project that how to model a system with all the necessary requirements and how to build a proper structure of the model.

3. What should we do differently?

Ans. We can think of more elements or requirements to make the system more efficient in terms of flexibility. That can be the future scope of our work. More diagrams can be added also to describe the scenario.

4. What do we not understand accordingly?

Ans. According to our project, the system can't automatically control the windows. User will be needed to control that part. So, we can figure out the thing and find a way whether the system can automatically control it or not. So, there can be an improvement scope for us.