**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID52731 |
| Project Name | AI Powered - Food Demand Forecaster |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Prerequisites | USN-1 | Collect required data. | 3 | High | Sakthivel.S.V, Subasri Raaja Anjana.P |
| Sprint-1 |  | USN-2 | Split dataset into train and test set. | 4 | Medium | Jorryn.D, Shibi.M |
| Sprint-1 |  | USN-3 | Pre-process the data. | 3 | Medium | Sakthivel.S.V, Jorryn.D |
| Sprint-2 | Model Building | USN-4 | Compile the model | 1 | Low | Subasri Raaja Anjana.P |
| Sprint-2 |  | USN-5 | Add required neural network layers. | 4 | High | Shibi.M Sakthivel.S.V,  Jorryn.D, |
| Sprint-2 |  | USN-6 | Initialise the model | 1 | Low | Shibi.M |
| Sprint-2 |  | USN-7 | Import the required libraries. | 2 | Medium | Subasri Raaja Anjana.P Sakthivel.S.V |
| Sprint-2 |  | USN-8 | Deploy the model in IBM cloud. | 2 | Medium | Jorryn.D, Shibi.M |
| Sprint-3 | Model Testing | USN-9 | Import the packages and load the saved model | 4 | High | Subasri Raaja Anjana.P, Jorryn.D |
| Sprint-3 |  | USN-10 | Test the model | 6 | High | Sakthivel.S.V, Shibi.M |
| Sprint-4 | User Interface | USN-11 | Integrate with model | 5 | Medium | Sakthivel.S.V, Jorryn.D |
| Sprint-4 |  | USN-12 | Build the user interface | 5 | High | Subasri Raaja Anjana.P, Shibi.M |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 10 | 6 Days | 28 Oct 2022 | 04 Nov 2022 | 10 |  |
| Sprint-2 | 10 | 6 Days | 28 Oct 2022 | 04 Nov 2022 | 10 |  |
| Sprint-3 | 10 | 6 Days | 02 Nov 2022 | 09 Nov 2022 |  |  |
| Sprint-4 | 10 | 6 Days | 02 Nov 2022 | 18 Nov 2022 | 5 |  |

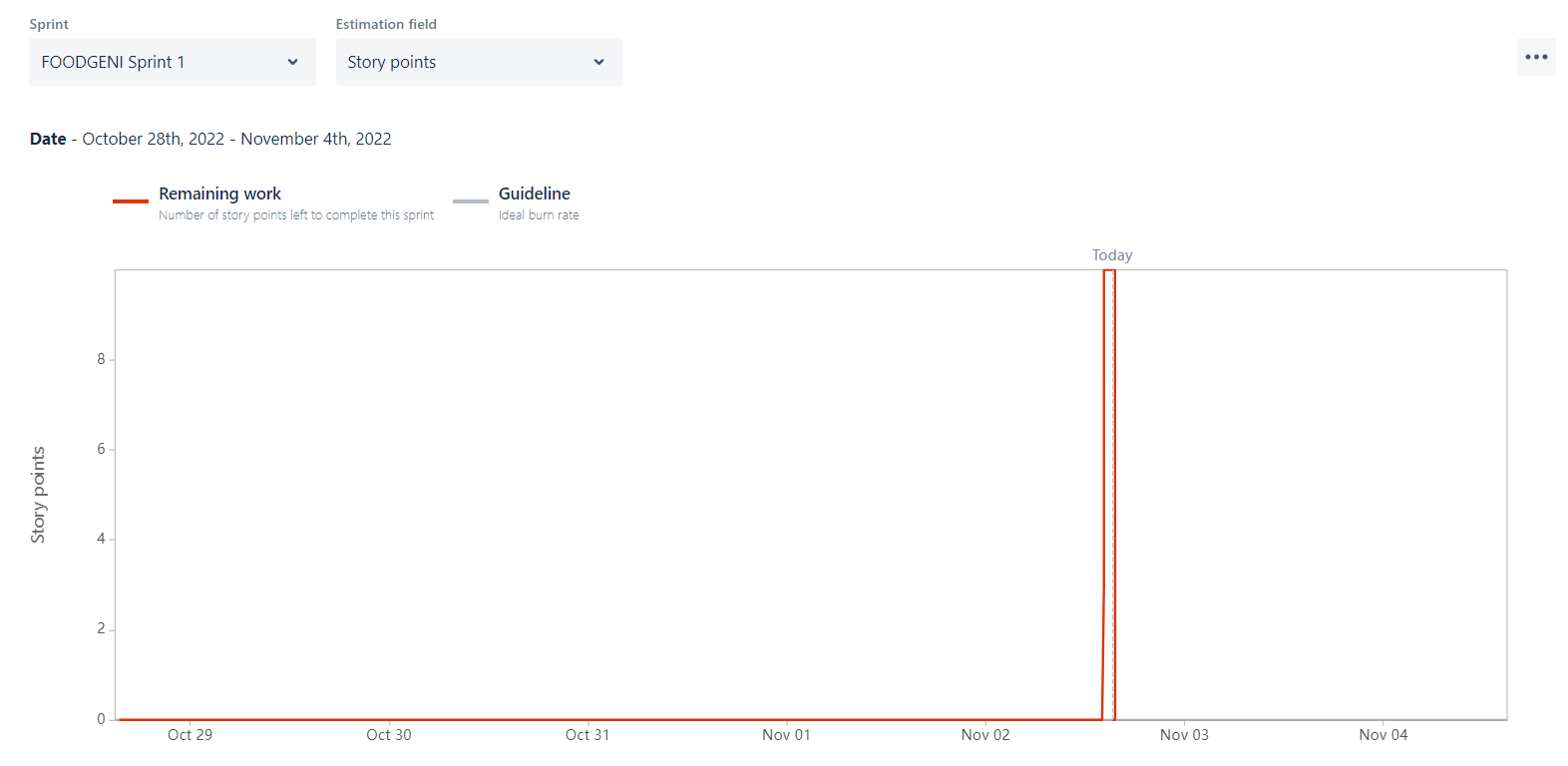
**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

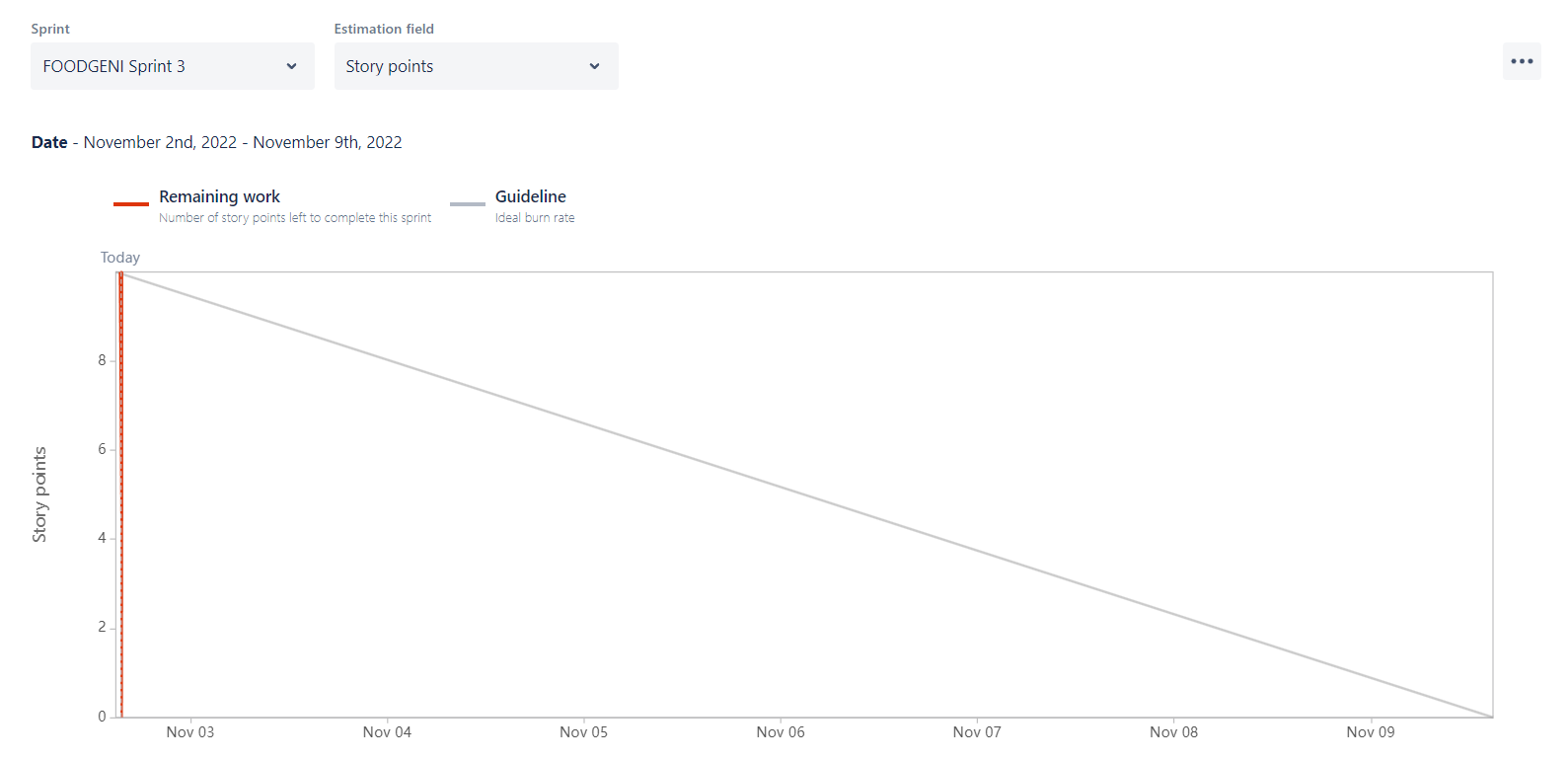


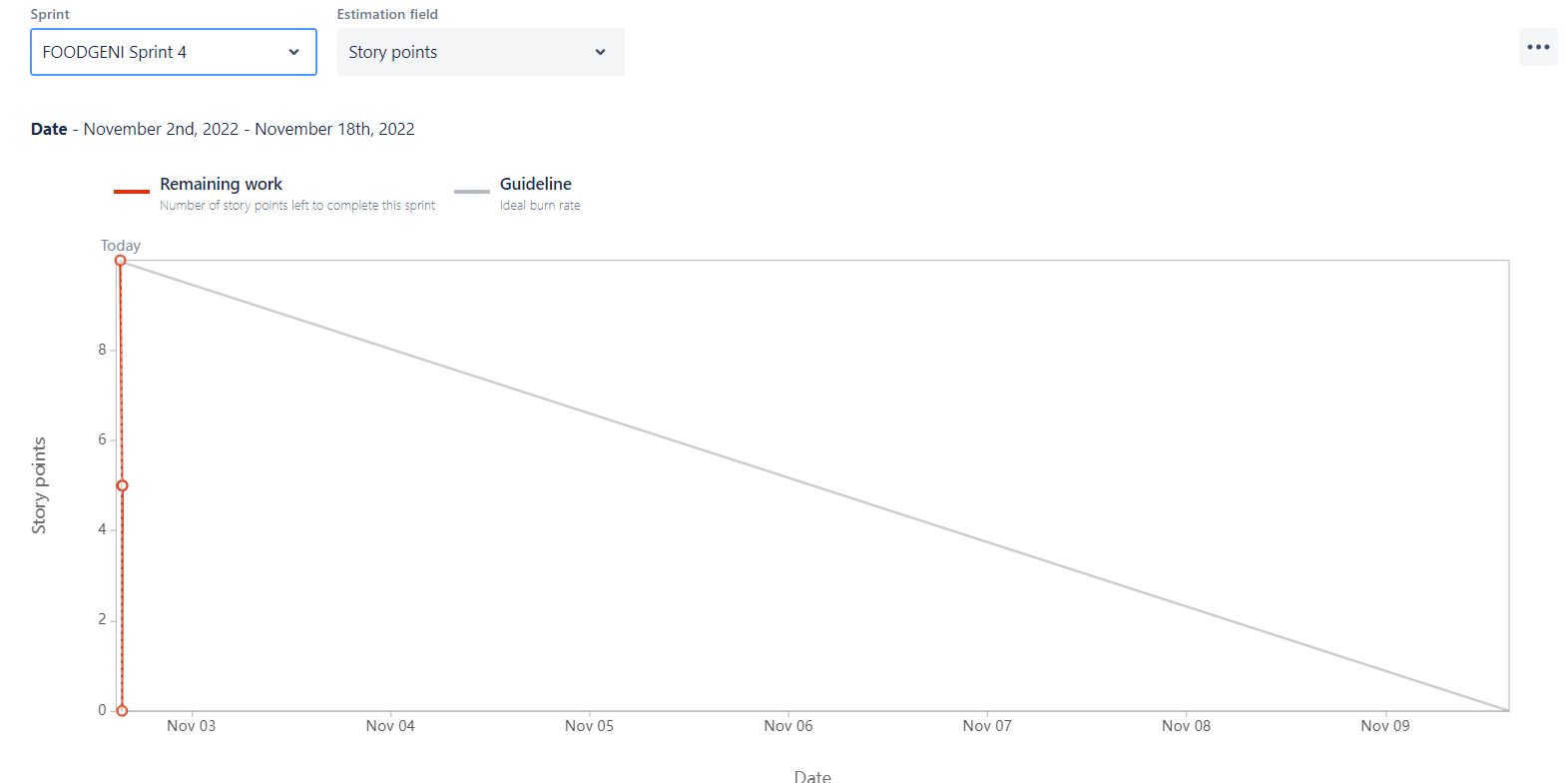
**Burndown Chart:**

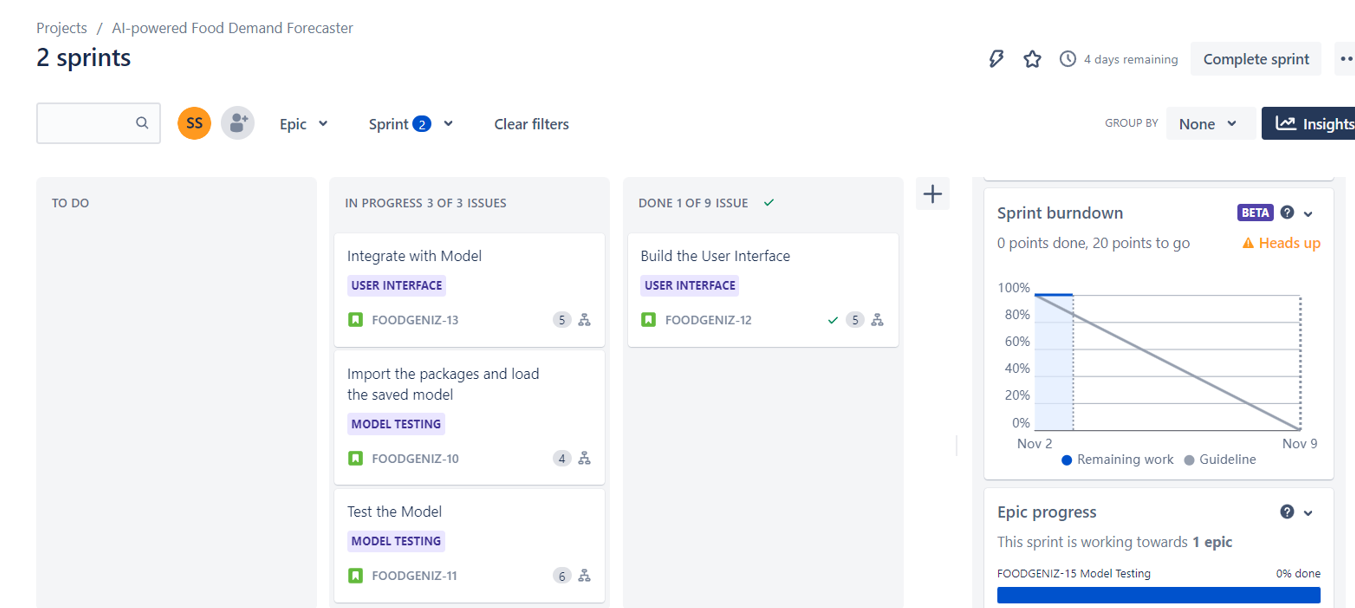
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile[software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

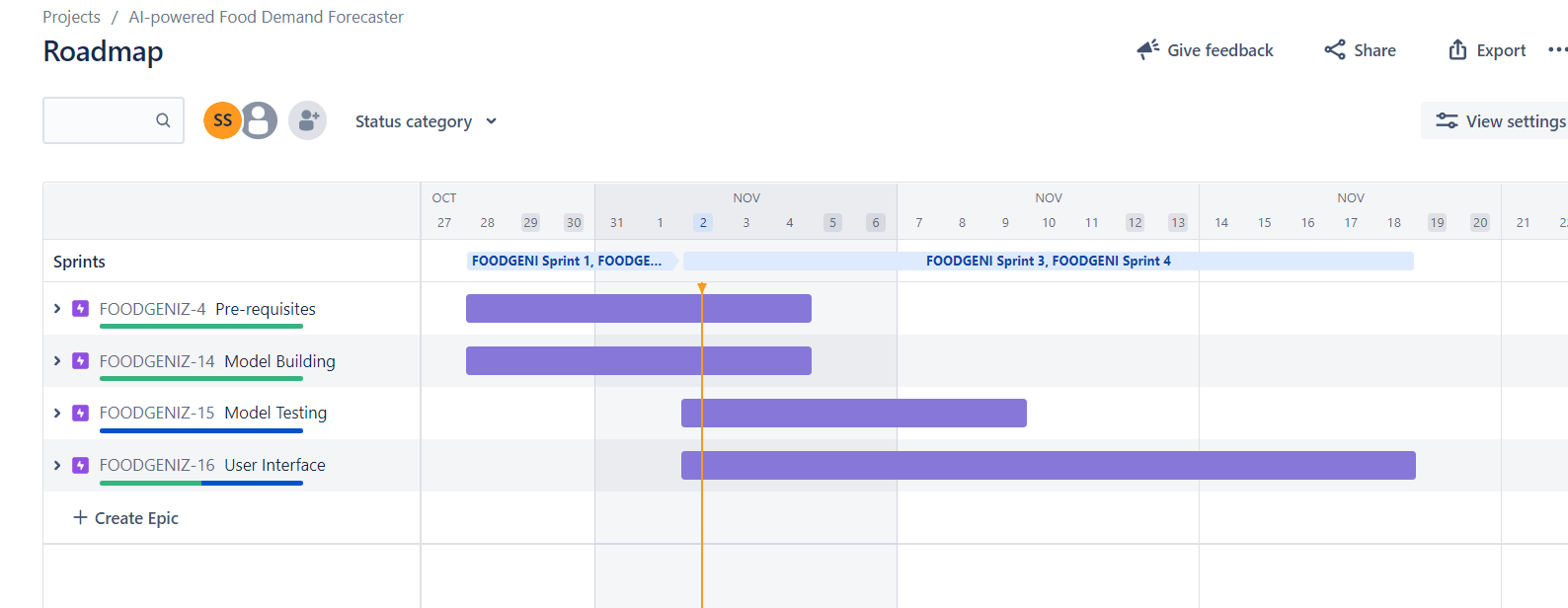


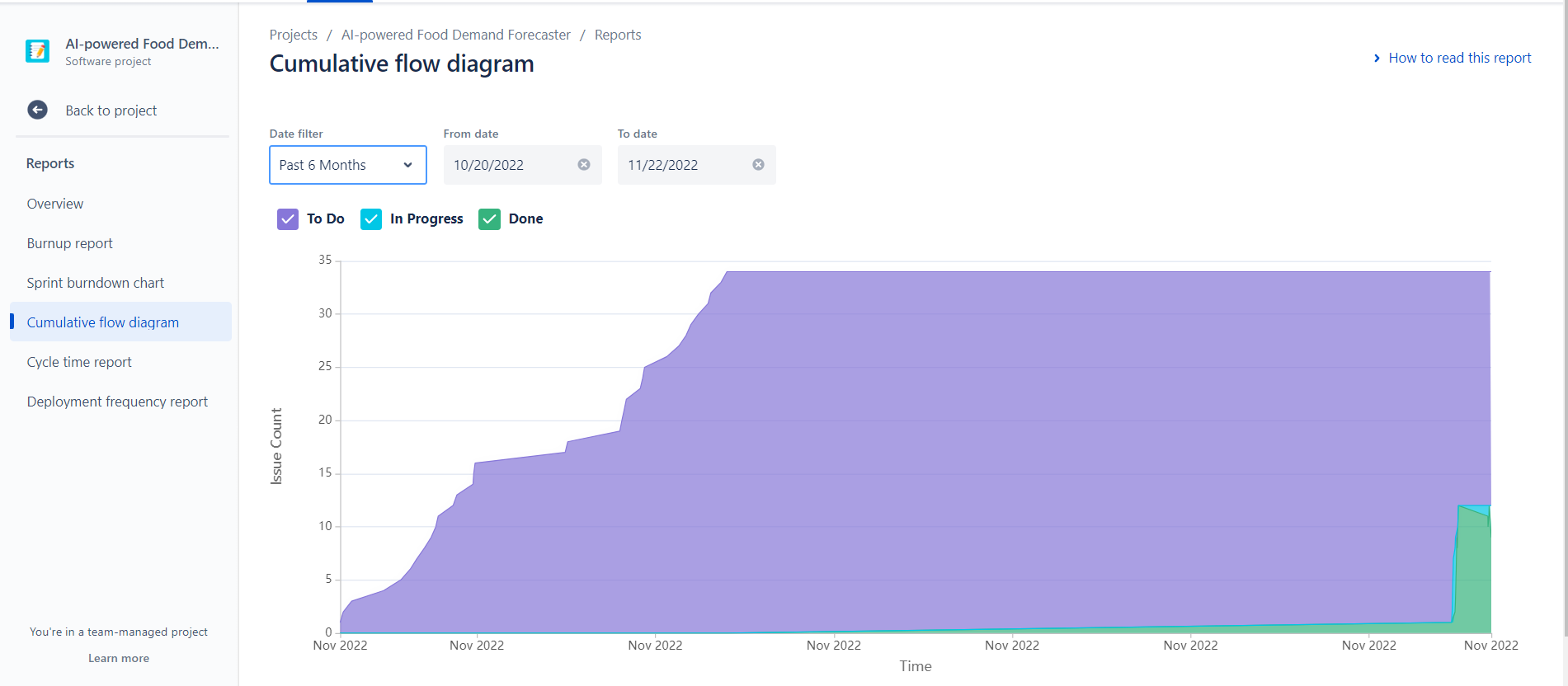






****

****

****