Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID33005
Project Name	Project - **Hazardous Area Monitoring for Industrial Plant powered by IoT**
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	Registration (Industrial owner)	USN-1	As an Industrial Owner, I can register into the application by entering email & password	5	High	Pragatheeswaran
Sprint-1	Registration (Industrial worker)	USN-2	As an Industrial worker, I can register into the application by entering email & password	2	High	Pragatheeswaran
Sprint-1	Data Modules (Industrial owner)	USN-3	As an Industrial Owner, I can get I can receive message about the temperature & humidity	5	High	Mathesh
Sprint-1	Data Modules (Industrial worker)	USN-4	As an Industrial worker, I can get I can receive message about the temperature & humidity	2	High	Mathesh
Sprint-2	Login (Industrial owner)	USN-5	As an industrial Owner, I can login into my account through email and Password	3	Medium	Dhayanithi
Sprint-2	Login (Industrial worker)	USN-6	As an industrial worker, I can login into my account through email and Password	1	Medium	Dhayanithi
Sprint-1	Dashboard (Industrial owner)	USN-7	As an Industrial Owner, I can monitor of temperature	8	High	Deepak
Sprint-1	Dashboard (Industrial worker)	USN-8	As an Industrial worker, I can monitor of temperature	3	High	Deepak

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

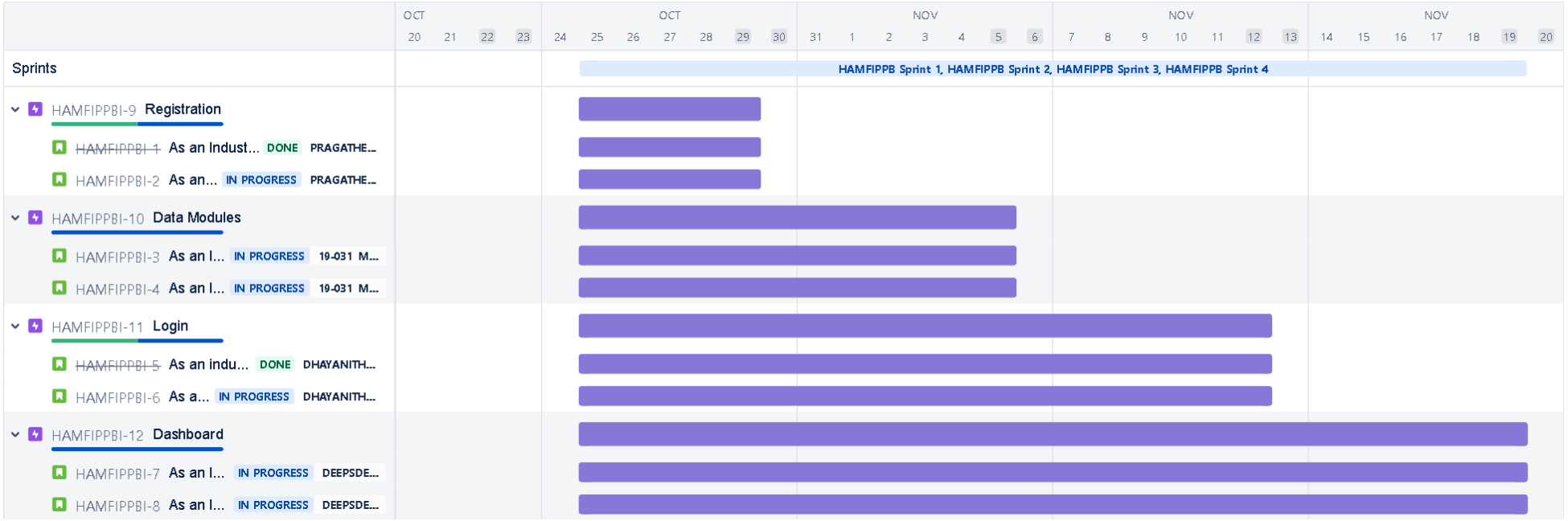
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Hazardous Area Monitoring for Industrial Plant powered by IoT



JIRA SOFTWARE Team ID:

https://pnt2022tmid33005.atlassian.net/jira/software/projects/HAMFIPPBI/boards/1/roadmap?assignee=63577c267d4645af4f01be56%2C63577c26b7b39379d71f4e39%2C63577c26f7ad721e784d921c&timeline=WEEKS&shared=&atlOrigin=eyJpIjoiYjkxMDZjMmFlZWM1NGRmZTg4ZDk4MDg0NGZmNzk5ZjUiLCJwIjoiaiJ9