Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID17430
Project Name	Hazardous area monitoring for industrial power 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	Application	USN-1	As a user, I can use the web applications or app	2	High	All
Sprint-1	Authentication	USN-2	As a user, I will create an account in the application and verify the account	2	High	All
Sprint-2	PURCHASING	USN-3	As a user , i have to buy the cloudant database	2	High	All
Sprint-3	INSTALLATION	USN-4	As a user, i have to install the hardware IoT devices and python software	2	High	all
Sprint-3		USN-5	As a user, I can receive the alert message through mobile	1	High	All
Sprint-4		USN-6	As a user , I can take the necessary actions to avoid the accident	2	High	All
Sprint-4	Workers	USN-7	As a user, I can view the temperature and humidity values	1	Low	All

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	4 Days	01 NOV 2022	04 NOV 2022	20	01 Oct 2022
Sprint-2	20	4 Days	05 NOV 2022	08 NOV 2022	20	09 Oct 2022
Sprint-3	20	4 Days	09 NOV 2022	12 NOV 2022	20	13 October 2022
Sprint-4	20	4 Days	13 NOV 2022	16 NOV 2022	20	18 October

Velocity:

$$Av = \frac{Sprint\ duration}{velocity} = \frac{20}{4} = 5$$

Burn down 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 .