Project Planning Phase

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

Date	**2ND November 2022**
Team ID	**PNT2022TMID28556**
Project Name	**GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES**
Maximum Marks	**8 Marks**

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Sensitivity of the Gas sensor	USN-1	This is the primary requirement for sensing gas leakage.	2	High	Dineshkumar.S Krishnamurthy.RE
Sprint-1	The next important thing for this is the microcontroller	USN-2	This is also the first stage in which it controls all the activities of the gas leakage sensor.	1	High	Karthi.S Ananthan.A
Sprint-2	Alerting the Authourised person	USN-3	An alert message will be sent to the person when there is a leakage of gas, who has the access to the gas leakage detection application.	2	High	Dineshkumar.S Ananthan.A Karthi.S Krishnamurthy.RE

Sprint-1	Cloud database management	USN-4	The datas about the gas flow and the leaks are monitored and stored in a cloud based system for	2	High	Dineshkumar.S Ananthan.A Karthi.S Krishnamurthy.RE

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	20 Oct 2022	30 Oct 2022	20	27 Oct 2022
Sprint-2	20	6 Days	27 Oct 2022	31 Oct 2022	20	28 OCT 2022
Sprint-3	20	6 Days	09 Nov 2022	13 Nov 2022	20	30 OCT 2022
Sprint-4	20	6 Days	16Nov 2022	20 Nov 2022	20	01 NOV 2022

Velocity:

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

BURNDOWN CHART: