Project Planning Phase

Sprint Delivery Plan

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Product Backlog, Sprint Schedule and Estimation

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story/Task	Story Points	Priority
Sprint-1	Intializing the Resources	Create an account in Open Weather API	1	LOW
Sprint-1	Code in Software is written	Write a python script using the inputs given from OpenWeather API	2	MEDIUM
Sprint-2	Sending the software to cloud	The python code from sprint 1 should be sent to cloud so that it is easily accessible	1	MEDIUM
Sprint-3	Initialising the connection between hardware and cloud	The hardware should be intergrated for the easy access of the cloud functions	2	HIGH
Sprint-4	User input-output optimisation and error identification and rectification	Rectify all the shortcomings/errors and initiate the optimisation for better	3	HIGH

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

Sprint	Total Story	Duration	Story Points
Sprint-1	20	6days	20
Sprint-2	20	6days	20
Sprint-3	20	6days	20
Sprint-4	20	6days	20

Velocity :

The average velocity(AV) per iteration unit (story points per day) can be defined as sprint duration by velocity (points per sprint)

$$AV= Sprint\ duration/Velocity$$

Given:
Sprint duration= 6days
Velocity= 20

$$AV = 6/20$$
$$= 0.3$$

$$\boxed{AV = 0.3}$$

Burndown chart: