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

Date	23 October 2023
Team ID	Team-591965
Project Name	Weather Classification Using Deep Learning
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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sumit,Lakshay
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sumit,Lakshay
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Sumit,Lakshay
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Sumit,Lakshay
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Yash, Mritunjay

Sprint-2	Dashboard	USN-6	As a user, after logging in, I can view a dashboard with my user details.	3	High	Yash, Mritunjay
Sprint-2	Dashboard	USN-7	As a user, on the dashboard, I can view my activity history.	2	High	Yash, Mritunjay
Sprint-3	Dashboard	USN-8	As a user, I can customize the layout of my dashboard.	3	Medium	Yash, Mritunjay

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

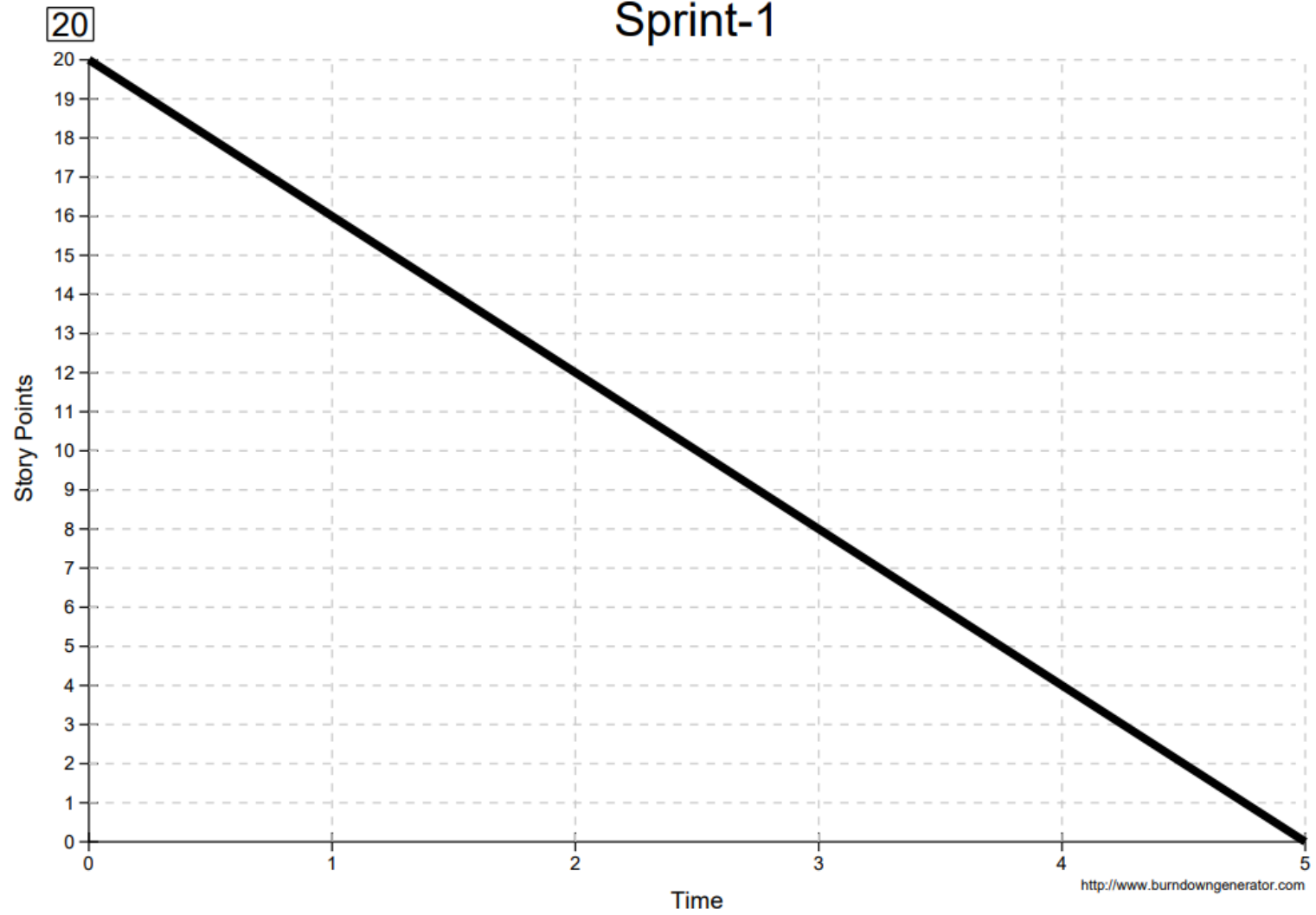| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2023	29 Oct 2023	20	29 Oct 2023
Sprint-2	20	6 Days	31 Oct 2023	05 Nov 2023		
Sprint-3	20	6 Days	07 Nov 2023	12 Nov 2023		
Sprint-4	20	6 Days	14 Nov 2023	19 Nov 2023		

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.

Sprint-1

20

Story Points

20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

0   1   2   3   4   5

Time

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts