

## Project Planning Phase

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

Date	27 October 2023
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - Anticipating Business Bankruptcy
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.	5	High	Hrishikesh, Anirudh, Ayush
Sprint-1	Registration	USN-2	As a user, I will receive a confirmation email once I have registered for the application.	3	High	Hrishikesh, Anirudh,
Sprint-1	Login	USN-3	As a user, I can log into the application by entering my email and password.	5	High	Hrishikesh, Ayush
Sprint-2	Dashboard	USN-4	As a user, I can access a dashboard that provides an overview of my financial data and bankruptcy predictions.	8	Medium	Anirudh, Ayush
Sprint-2	Data Collection	USN-5	As a user, I can input financial data for my company and request a bankruptcy prediction.	7	High	Hrishikesh, Anirudh, Ayush
Sprint-2	Dashboard	USN-6	As a user, I can view the historical performance of my company's financial health.	5	Medium	Anirudh, Ayush
Sprint-3	Dashboard	USN-7	As a user, I can receive alerts and recommendations based on the bankruptcy prediction results.	8	High	Hrishikesh, Ayush
Sprint-3	Documentation	USN-8	As a user, I can access a user guide and documentation to understand how the bankruptcy prediction system works.	3	Low	Anirudh

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	13	6 Days	24 Oct 2022	29 Oct 2022	13	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	11	6 Days	07 Nov 2022	12 Nov 2022	11	12 Nov 2022

**To calculate the team's average velocity (AV) per iteration unit (story points per day:**

$AV = (\text{Total Story Points}) / (\text{Duration in Days})$

Let's calculate the average velocity for the given sprints:

**1. Sprint-1:**

- Total Story Points: 13
- Duration: 6 days
- $AV = 13 / 6 = 2.17$  (rounded to two decimal places)

**2. Sprint-2:**

- Total Story Points: 20
- Duration: 6 days
- $AV = 20 / 6 = 3.33$  (rounded to two decimal places)

**3. Sprint-3:**

- Total Story Points: 11
- Duration: 6 days
- $AV = 11 / 6 = 1.83$  (rounded to two decimal places)

The average velocity for each of the given sprints is as follows:

- Sprint-1: 2.17 story points per day
- Sprint-2: 3.33 story points per day
- Sprint-3: 1.83 story points per day

These values represent our team's performance in terms of story points completed per day for each sprint.

## Burndown Chart:

