

## Project Planning Phase

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

User ID: _____	2 Cr. 10
Project Name: _____	_____
Maximum 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	Data Collection and Data Preprocessing	USN-1	As a user, I will get the data and take it as a input	10	Medium	Mohammed Thfaseel
Sprint-2	Visualize the data	USN- 2	AS a user, I will get the visualization of the data for further understanding.	20	High	Rayan H
Sprint-3	Training and Testing the model	USN-3	I will train and test the ML Model with higher accuracy and model performance.	10	Medium	Namrritha S
Sprint-4	Deploying the model into IBM Cloud	USN-4	I will deploy the model into IBM cloud as a web app for making predictions.	20	Medium	Hafna Fathima

### 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	8	7 Days	22 Oct 2022	28 Oct 2022	20	
Sprint-2	8	8 Days	29 Oct 2022	05 Nov 2022	20	
Sprint-3	5	3 Days	06 Nov 2022	08 Nov 2022	20	
Sprint-4	5	4 Days	09 Nov 2022	12 Nov 2022	20	

#### Velocity:

Imagine we have a 6-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)

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$

### Burndown Chart:

