

## Project Planning Phase

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

Date	01 November 2022
Team ID	PNT2022TMID48901
Project Name	AI based discourse for Banking Industry
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	Building of Assistant	USN-1	Creation of Banking Chatbot or Assistant using IBM Watson Assistant/ As a user, I can see a Banking Assistant.	12	High	Kannan, Karthick
Sprint-1		USN-2	Understanding Customer's Banking Related Queries and skills/ As a user, I can see a Chatbot with Banking skills.	8	Moderate	Ruban Karthick, Mahadevi
Sprint-2	Modelling of Assistant	USN-3	Building action and Adding responses to Account Creation/As a user, I can see a Chatbot which helps to create an account	5	High	Ruban Karthick, Kannan
Sprint-2		USN-4	Building action and Adding responses to Banking related queries/As a user, I can see a Chatbot which helps to solve the banking queries	5	High	Mahadevi, Karthick
Sprint-2		USN-5	Building action and Adding responses to Net Banking/As a user, I can see a Chatbot which helps to access Net Banking	5	High	Kannan
Sprint - 2	Chatbot Skills Creation	USN-6	As a user, I will see the Chatbot having banking-related skills.	5	High	Ruban Karthick

Sprint -3	Creating Saving Account Action	USN-7	As a user, I can converse with the chatbot regarding saving account-related queries.	6	High	Karthick
Sprint-3	Creating Current Account Action	USN-8	As a user, I can converse with the chatbot regarding current account-related queries	5	High	Mahadevi

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint - 3	Creating Loan Account Action	USN-9	As a user, I can converse with the chatbot regarding loan account-related queries.	8	Moderate	Karthick
Sprint - 3	Testing & Deployment Phase-I	USN-10	Testing the chatbot performance with the trained banking functionalities or conversations/As a user, I can know the chatbots performance leve	15	High	Karthick, Kannan, Ruban Karthick, Mahadevi
Sprint -4	Creating General Query Action	USN-11	As a user, I can converse with the chatbot regarding general queries.	7	Moderate	Kannan, Ruban Karthick
Sprint -4	Creating Net Banking Action	USN-12	As a user, I can converse with the chatbot regarding net banking-related queries.	5	Low	Mahadevi, Karthick
Sprint -4	Creating Assistant & Integrate With Flask Web Page (Build Python Code)	USN-13	As a user, I can see a flask web page for bank.	4	High	Karthick
Sprint -4	Build HTML Code	USN-14	As a user, I can web pages integrated with a chatbot.	3	Low	Kannan, Mahadevi
Sprint -4	Run The Application	USN-15	As a user, I can communicate with the chatbot 24*7.	5	Moderate	Karthick, Ruban Karthick, Mahadevi
Sprint -4	Deployment Phase-II & Model Improvement	USN-16	Deployment of AI based chatbot for banking Industry or Running the Chatbot service/As a user, I can see and use a 24*7 banking chatbot. Improving the model	12		Ruban Karthick, Kannan, Mahadevi, Karthick.

			efficiency whenever needed/As a user, I can se			
Sprint -4		USN-17	Improving the model efficiency whenever needed/As a user, I can see new updated chatbot in Future days.	5		Kannan, Karthick

**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 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

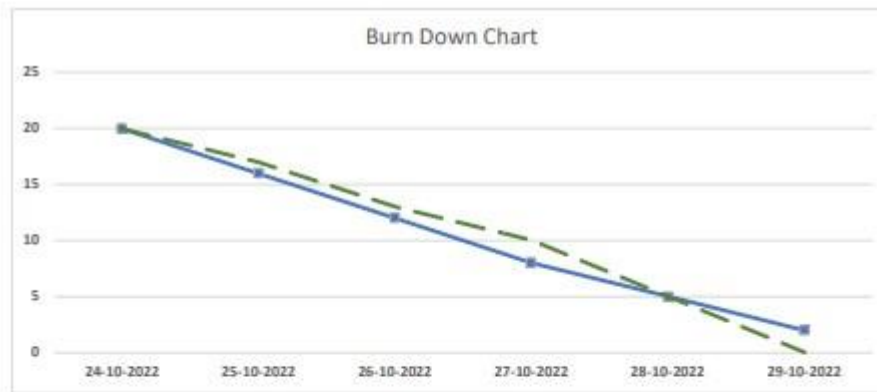
**Velocity:**

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)

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

**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



Sprint 2



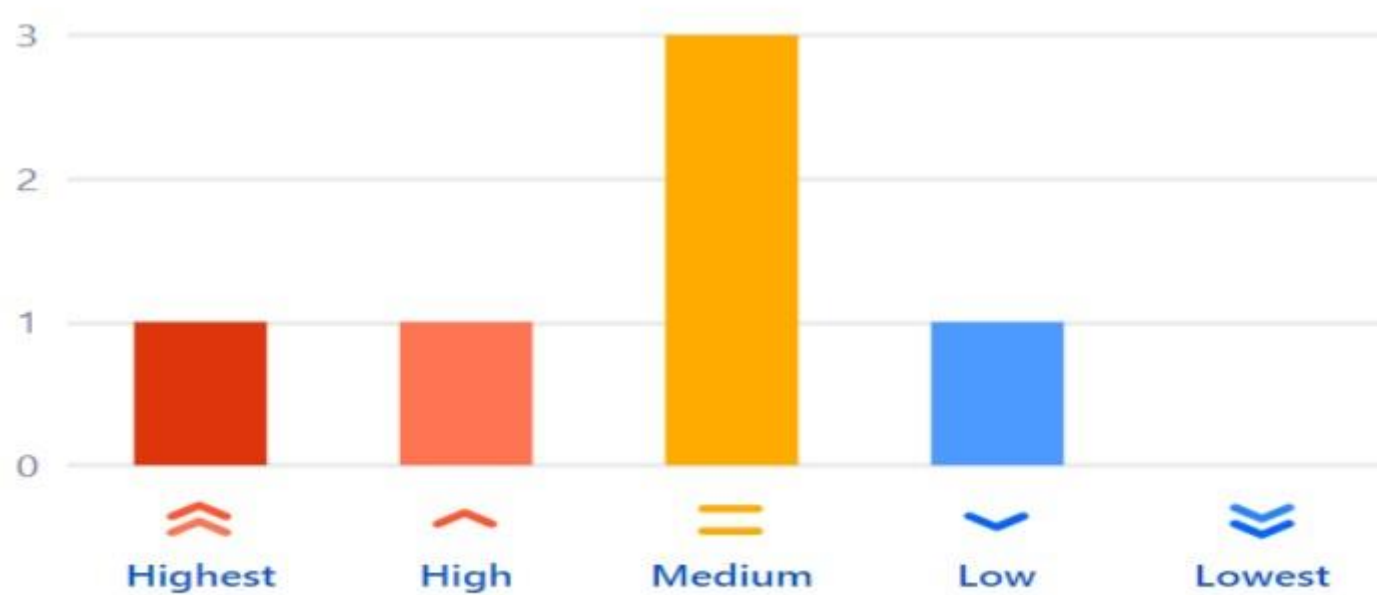
Sprint 3



Sprint 4

—■— Remaining Effort    - - - Ideal Burndown

### Priority Breakdown :



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>