

## Project Planning Phase

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

Date	1st November 2022
Team ID	PNT2022TMID33620
Project Name	Project - 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	Create IBM Service	USN-1	As a user, I can view Watson's assistant.	1	High	Sukesh S Santhosh D
Sprint-1	Create Chatbot skills	USN-2	As a user, I can use a basic chatbot setup.	1	High	Surya S Siva R
Sprint-1	Creating Saving account action	USN-3	As a user, I can send queries related to Saving account creation and get relevant response from the chatbot.	2	Medium	Sukesh S Santhosh D
Sprint-1	Creating Current account action	USN-4	As a user, I can send queries related to Current account creation and get relevant response from the chatbot.	2	Medium	Surya S Siva R
Sprint-2	Creating Loan account action	USN-5	As a user, I can send queries related to Loan account creation and get relevant response from the chatbot.	2	Medium	Sukesh S Santhosh D
Sprint-2	Creating Net banking action	USN-6	As a user, I can send queries related to Net banking action and get relevant response from the chatbot.	2	Medium	Surya S Siva R

Sprint-2	Creating General Banking Query Action	USN-7	As a user, I can send General Banking queries and get relevant response from the chatbot.	2	Medium	Sukesh S Santhosh D
<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 Assistant & Integrate With Flask Web Page (Build Python Code)	USN-8	As a user, I can view the chatbot integrated with Flask Web Page.	2	High	Surya S Siva R
Sprint-4	Build HTML Code	USN-9	As a user, I can view the chatbot integrated with a web page.	2	High	Sukesh S Santhosh D
Sprint-4	Run the Application	USN-10	As a user, I can send queries to the chatbot and get relevant responses 24*7	1	High	Surya S Siva R

#### 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	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	2	6 Days	07 Nov 2022	12 Nov 2022	2	12 Nov 2022
Sprint-4	3	6 Days	14 Nov 2022	19 Nov 2022	3	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)

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

Sprint-1:

$$AV = \text{velocity} / \text{sprint duration} = 6 / 6 = 1$$

Sprint-2:

$$AV = \text{velocity} / \text{sprint duration} = 6 / 6 = 1$$

Sprint-3:

$$AV = \text{velocity} / \text{sprint duration} = 2 / 6 = 0.34$$

Sprint-4:

$$AV = \text{velocity} / \text{sprint duration} = 3 / 6 = 0.5$$

Average Velocity for all sprints combined = 0.71

## 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.

Burndown Chart

