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	Karthick P, Kannan K
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	Karthick P, Kannan K
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	Kannan K, Mahadevi S
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	Kannan K, Mahadevi S
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 K, Mahadevi S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 2	Chatbot Skills Creation	USN-6	As a user, I will see the Chatbot having banking-related skills.	5	High	Kannan K, Mahadevi S
Sprint -3	Creating Saving Account Action	USN-7	As a user, I can converse with the chatbot regarding saving account-related queries.	6	High	Mahadevi S, Ruban Karthick K
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 S, Ruban Karthick K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 3	Creating Loan Account Action	USN-9	As a user, I can converse with the chatbot regarding loan account-related queries.	8	Moderate	Mahadevi S, Ruban Karthick K
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	Mahadevi S, Ruban Karthick K
Sprint -4	Creating General Query Action	USN-11	As a user, I can converse with the chatbot regarding general queries.	7	Moderate	Karthick P, Ruban Karthick K
Sprint -4	Creating Net Banking Action	USN-12	As a user, I can converse with the chatbot regarding net banking-related queries.	5	Low	Karthick P, Ruban Karthick K
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 P, Ruban Karthick K
Sprint -4	Build HTML Code	USN-14	As a user, I can web pages integrated with a chatbot.	3	Low	Karthick P, Ruban Karthick K

Sprint -4	Run The Application	USN-15	As a user, I can communicate with the chatbot 24*7.	5	Moderate	Karthick P, Ruban Karthick K
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 efficiency whenever needed/As a user, I can se	12		Karthick P, Ruban Karthick K
Sprint -4		USN-17	Improving the model efficiency whenever needed/As a user, I can see new updated chatbot in Future days.	5		Karthick P, Ruban Karthick K

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)

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

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.
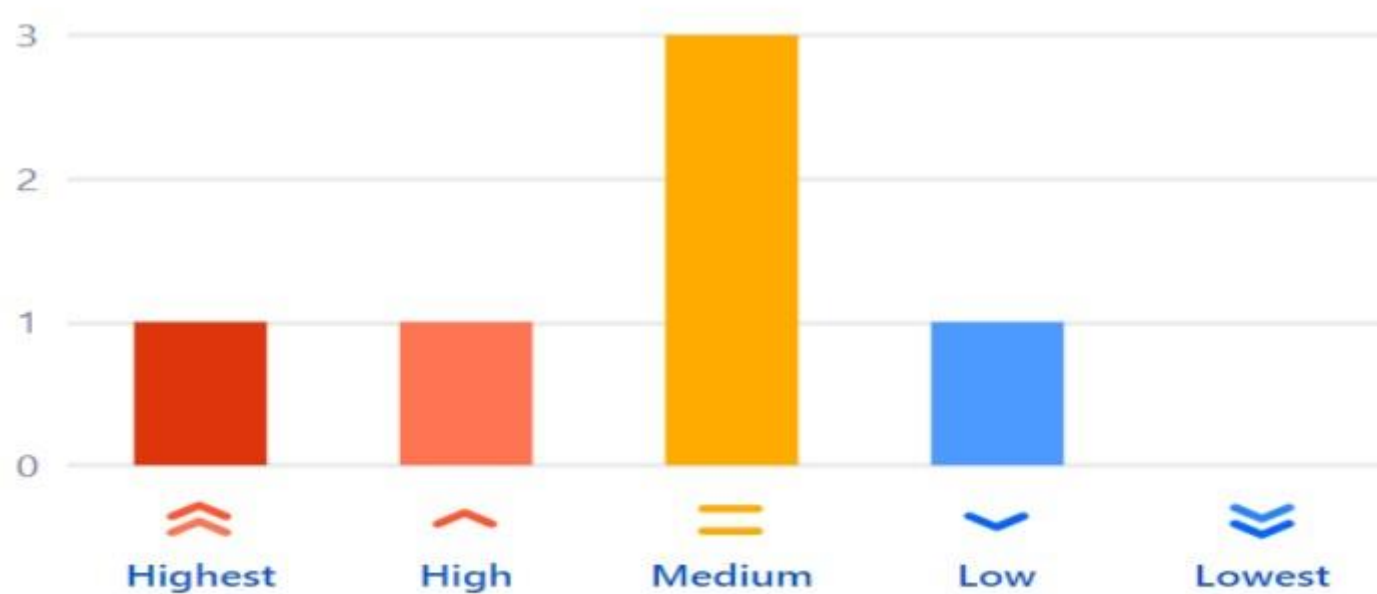
Sprint 1 · Sprint 2 · Sprint 3 · Sprint 4 — Burn Down Charts (Remaining Effort and Ideal Burndown)

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