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

Date	31 October 2022
Team ID	PNT2022TMID35481
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 the assistant – IBM Watson	USN - 1	As a user, I would like to see an assistant to guide me with the processes. This is built using Watson Assistant.	10	High	Rifa S
Sprint - 1		USN - 2	The queries and concerns of the user is understood. The assistant is developed to be a chatbot who is able to assist the customer through a conversation.	4	Moderate	Rifa S
Sprint – 1	Savings Account Related Actions – IBM Watson	USN - 3	As a user I would like to know about the information on how to create a savings account. We create skills to guide the customer by asking the type of savings account the user requires, documents required for it, etc	6	High	Bhagyasree P
Sprint – 2	Current Account Related Actions – IBM Watson	USN - 4	As a user I want to get answers regarding queries related to current account. The bot gives response based on the type of the user account and also guides them in the procedure to close the account	5	High	Pavithra M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 2	Loan Account Related Actions – IBM Watson	USN - 5	As a user, I want to get queries related to loan clarified. The bot provides information based on the type of loan	5	High	Hariprasannan S
Sprint - 2	General Query Related Actions – IBM Watson	USN - 6	As a user, I want answers to all the general queries in relation to banking. The bot helps in providing response depending on the question asked from the options provided	5	High	Bhagyasree P
Sprint - 2	Net Banking Related Actions – IBM Watson	USN - 7	As a user, I want to know the procedure to do net banking. The bot provides information regarding it and also answers other basic questions about net banking	5	High	Rifa S
Sprint - 3	Building Python Code	USN – 8	The Flask website is integrated with the bot to provide a framework.	10	High	Rifa S Pavithra M
Sprint - 3	Building HTML code	USN – 9	HTML is used to create the front – end part of the web page	10	High	Bhagyasree P Hariprasannan S
Sprint - 4	Deployment of the bot	USN – 10	Run the application and deploy the bot to be used for servicing the customers of the bank as an intelligent chatbot assistant.	15	High	Rifa S Pavithra M Bhagyasree P Hariprasannan S
Sprint – 4		USN – 11	Improving the efficiency and overall experience of using the bot	5	Moderate	Rifa S Pavithra M Bhagyasree P Hariprasannan S

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	01 Nov 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

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