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

Date	22 October 2022
Team ID	PNT2022TMID35942
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	Building IBM Watson assistant	USN-1	As a user, I can use a chatbot with predefined system intents and entities to accomplish my goals.	12	High	Yuvan Shankar J, Kavyapriya V K
Sprint-1		USN-2	As a user, I can use a chatbot that understands and provides answers to banking related queries of customers.	8	Medium	Shwetha M K, Karthick V
Sprint-2	Modelling	USN-3	As a user, I can converse with a chatbot regarding creation of bank account of desired type.	5	High	Yuvan Shankar J, Karthick V
Sprint-2		USN-4	As a user, I can see a chatbot that assists in loan related queries	5	Medium	Kavyapriya V K, Shwetha M K
Sprint-2		USN-5	As a user, I can request a chatbot to guide in addressing general banking queries	5	High	Yuvan Shankar J, Shwetha M K
Sprint-2		USN-6	As a user, I can converse with a chatbot that facilitates net banking services to do transactions online	5	High	Kavyapriya V K, Karthick V
Sprint-3	User Interface and Testing	USN-7	As a user, I must have a smooth chat experience with good user interface satisfying all my expectations.	10	High	Yuvan Shankar J, Kavyapriya V K

		USN-8	Testing the prototype created to ensure proper interpretation of messages and high-level performance	10		Shwetha M K, Karthick V
Sprint-4	Model improvisation	USN-9	As a user, I can provide feedback on conversation with the chatbot and specify the changes to be made to increase my level of satisfaction.	8	High	Yuvan Shankar J, Kavyapriya V K, Shwetha M K
			Gain information about the shortcomings from the feedback provided and improve service.	7		Kavyapriya V K, Shwetha M K, Karthick V
			Analysing customer's unanswered queries	5	Medium	Yuvan Shankar J, Karthick V

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)

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

AV = sprint duration/velocity = 20/6 = 3.33

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