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

Date	18October 2022
Team ID	PNT2022TMID43287
Project Name	Real-Time River Water Quality Monitoring and Control System
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	IBM Watson Assistant Creation	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	12	High	Subramani,sivaraman,arunraj,soundhar
Sprint-1	Action Skills Creation	USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Subramani,sivaraman,arunraj
Sprint-2	Savings Account Action	USN-3	As a user, I can register for the application through Facebook	4	Low	Subramani,sivaraman,arunraj
Sprint-1	Current Account Action	USN-4	As a user, I can register for the application through Gmail	10	Medium	arunraj,soundhar
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	10	High	Subramani,sivaraman,
Sprint-3	General Query Action	USN-6	As a user, I can get resolved for the queries like CIBIL score, storage facilities available in the bank, currency conversion policy, list of branches, nearest branch available	10	High	Subramani,sivaraman,,
Sprint-3	Net Banking Action	USN-7	As an user, I can get resolved for the queries like features of net banking, issues regarding	10	High	arunraj,soundhar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			net banking, etc.			
Sprint-4	Building Python code (using Flask frame work	USN-8	As an admin, I make use of the Flask framework to link a html web page.	10	High	arunraj,s oundhar
Sprint-4	Building HTML code	USN-9	As an admin, I make use of html to create the web page as a front-end for the application.	12	High	Subraman i,sivarama n,arunraj,s oundhar
Sprint-4	Executing the application	USN-10	As an admin, I can integrate the chat bot with our web page. As an user, I can interact with the chatbot in the web page.	6	Medium	Subraman i,sivarama n,arunraj,s oundhar

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	02 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	09 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	16 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)

$$\text{Average Velocity} = \text{Sprint duration} / \text{Velocity}$$

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$$= 20 / 6 = 3.33$$