

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID48085 |
| 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 Watson Assistant Service | USN-1 | As a user, I can see a Watson Assistant. | 8 | High | Valliyappan R Kishore S Muthukumar M |
| Sprint-1 | Chatbot Skills Creation | USN-2 | As a user, I will see the Chatbot having banking-related skills | 7 | Medium | Muthukumar M Manikandan G |
| Sprint-1 | Creating Saving Account Action | USN-3 | As a user, I can converse with the chatbot regarding saving account-related queries and Action. | 5 | High | Valliyappan R Manikandan G |
| Sprint-2 | Creating Current Account Action | USN-4 | As a user, I can converse with the chatbot regarding current account-related queries and Action. | 8 | Medium | Valliyappan R Muthukumar M |
| Sprint-2 | Creating Loan Account Action | USN-5 | As a user, I can converse with the chatbot regarding loan account-related queries and Action. | 12 | High | Kishore S Muthukumar M |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--|--------------------------|--|---------------------|-----------------|-------------------------------|
| Sprint-3 | Creating General Query Action | USN-6 | As a user, I can converse with the chatbot regarding general queries and Action. | 9 | High | Kishore S Manikandan G |
| Sprint-3 | Creating Net Banking Action | USN-7 | As a user, I can converse with the chatbot regarding net banking-related queries and Action. | 6 | Medium | Valliyappan R Muthukumar M |
| Sprint-3 | Creating Assistant & Integrate With Flask Web Page Build Python Code | USN-8 | As a user, I can see a flask web page for banking chatbot. | 5 | High | Kishore S Manikandan G |
| Sprint-4 | Build HTML Code | USN-9 | As a user, I can web pages integrated with a chatbot. | 5 | High | Kishore S Muthukumar M |
| Sprint-4 | Run The Application | USN-10 | As a user, I can communicate with the chatbot 24*7 and easy to access. | 15 | Medium | Kishore S Muthukumar M |

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 | 04 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 11Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 18 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)

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

$$AV = 20/6$$

$$AV = 3.34$$

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

