

Project Planning Phase

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

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|---------------|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID44248 |
| Project Name | AI based discourse for Banking Industry |
| Maximum Marks | 8 Marks |

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

| 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 IBM skills build and create a Watson Assistant Service. | 12 | High | Manibalan , Gokulakannan |
| Sprint-1 | Action Skills Creation | USN-2 | As a user, I can add new action skills to resolve customer queries. | 4 | High | Prabakar, Anandhakumar |
| Sprint-1 | Savings Account Action | USN-3 | As a user, I can get the details of required documents for Regular Savings Account, Kids Savings Account, and Zero-Balance Savings Account. | 4 | Low | Barathkumar |
| Sprint-2 | Current Account Action | USN-4 | As a user, I can get the details of required documents for creating Partnership, Proprietorship Account. | 10 | Medium | Manibalan, Barathkumar |
| Sprint-2 | Loan Action | USN-5 | As a user, I can get the details of required documents for availing gold loan, top-up | 10 | High | Prabakar |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|---|-------------------|---|--------------|----------|--------------------------------------|
| | | | loan,housing loan,vehicle loan from the bank. | | | Anandhakumar |
| 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 | Gokulakannan, Prabakar |
| Sprint-3 | Net Banking Action | USN-7 | As an user, I can get resolved for the queries like features of net banking, issues regarding net banking, etc., | 10 | Medium | Manibalan, Barathkumar |
| 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. | 12 | High | Prabakar, Gokulakannan, Anandhakumar |
| 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. | 6 | High | Barathkumar, Gokulakannan |
| 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. | 2 | Medium | Manibalan, Anandhakumar |

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 | 26 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)

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

$$= 20 / 6 = 3.33$$

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

