

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 20 October 2022                         |
| Team ID       | PNT2022TMID42870                        |
| 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 | Registration                      | USN-1             | As a user, I can register for the application by entering my email, password, and confirming my password.      | 2            | High     | Sabarinathan R<br>Iruthaya Venish<br>Durai S |
| Sprint-2 |                                   | USN-2             | As a user, I will receive confirmation email once I have registered for the application                        | 3            | Medium   | Sabarinathan R<br>Iruthaya Venish<br>Durai S |
| Sprint-3 |                                   | USN-3             | As a user, I can register for the application through Facebook   | 1            | Low      | Rangesh S<br>Sivasankar R                    |
| Sprint-2 |                                   | USN-4             | As a user, I can register for the application through Gmail  | 1            | High     | Rangesh S<br>Sivasankar R                    |
| Sprint-4 | Login                             | USN-5             | As a user, I can log into the application by entering email & password   | 5            | High     | Sabarinathan R<br>Iruthaya Venish<br>Durai S |
| Sprint-1 | Dashboard                         | USN-6             | As a user, I can get the application completion status and files to be required to create the account.         | 1            | Medium   | Rangesh S                                    |
| Sprint-3 | Building of IBM chatbot Assistant | USN-7             | Creation of Banking Chatbot or Assistant using IBM Watson Assistant/ As a user, I can see a Banking Assistant. | 8            | High     | Sivasankar R                                 |

|          |  |        |   |   |        |  |
|----------|--|--------|---|---|--------|--|
| Sprint-3 | Modelling of Assistant                     | USN-8  | Adding responses to Account Creation/As a user, I can see a Chatbot which helps to create an account                                    | 2 | High   | Rangesh S<br>Iruthaya<br>Venish Durai S      |
| Sprint-1 |  | USN-9  | As a user, I can see a Chatbot which helps to solve the banking queries.  | 1 | Medium | Sabarinathan R                               |
| Sprint-4 |  | USN-10 | As a user, I can see a Chatbot which helps to access Net Banking  | 2 | High   | Iruthaya Venish<br>Durai S<br>Sivasankar R   |
| Sprint-3 |  | USN-11 | As a user, I can see a Chatbot which helps in Loan related Queries.   | 3 | Low    | SabarinathanR<br>Rangesh S                   |
| Sprint-1 | Testing &<br>Deployment Phase-I            | USN-12 | Testing the chatbot performance with the trained banking.   | 8 | High   | Sabarinathan R<br>Iruthaya<br>Venish Durai S |
| Sprint-2 |  | USN-13 | Integration of Flask webpage with the chatbot assistant to provide a framework,As a user, I can see a webpage to access the chatbot.    | 2 | High   | Sabarinathan R<br>Iruthaya<br>Venish Durai S |
| Sprint-4 | Deployment Phase-II &<br>Model Improvement | USN-14 | Deployment of AI based chatbot for banking Industry or Running the Chatbot service/As a user, I can see and use a 24*7 banking chatbot. | 1 | Low    | Rangesh S<br>Sivasankar R                    |

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members              |
|----------|-------------------------------|-------------------|---|--------------|----------|---------------------------|
| Sprint-1 |                               | USN-15            | Improving the model efficiency whenever needed/As a user, I can see new updated chatbot in Future days. | 2            | Moderate | Iruthaya Venish Durai S   |
| Sprint-2 | Verification                  | USN-16            | Administrator can completely verify the submitted application.  | 5            | High     | Sabarinathan R            |
| Sprint-3 | Approval                      | USN-17            | After completion, new banking credentials are provided to the customers.                                | 2            | High     | Rangesh S<br>Sivasankar R |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

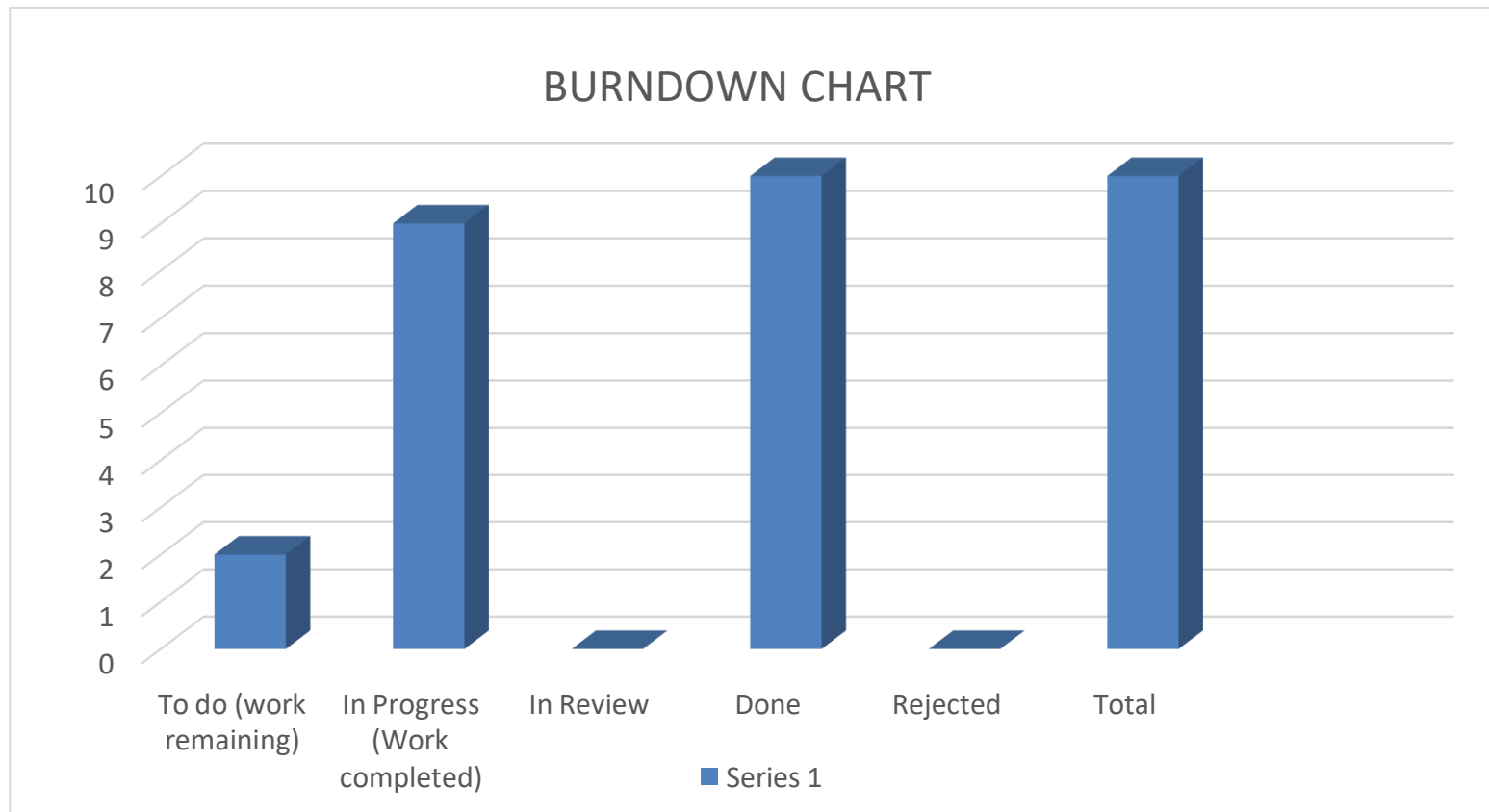
| Sprint   | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|----------|--------------------|----------|-------------------|---------------------------|---|------------------------------|
| 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:

The team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = 20/6 = 3.34$$

## Burndown Chart:



**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

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