**Project Planning Phase**

# Product Backlog, Sprint Schedule, and Estimation

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Building of Assistant | USN-1 | Creation of a Banking Chatbot or Assistant using  IBM Watson Assistant/ As a user, I can see a Banking Assistant. | 12 | High | Sananda,Priya |
| Sprint-1 |  | USN-2 | Understanding Customer’s Banking Related Queries and skills/ As a user, I can see a Chatbot with Banking skills. | 8 | Moderate | Santhya,Nivetha |
| Sprint-2 | Modeling of Assistant | USN-3 | Building action and Adding responses to Account Creation/As a user, I can see a Chatbot that helps to create an account | 5 | High | Priya |
| Sprint-2 |  | USN-4 | Building action and Adding responses to Banking related queries/As a user, I can see a Chatbot that helps to solve the banking  queries. | 5 | High | Sananda |
| Sprint-2 |  | USN-5 | Building action and Adding responses to Net Banking/As a user, I can see a Chatbot that helps to access Net Banking | 5 | High | Santhya |
| Sprint-2 |  | USN-6 | Building action and Adding responses to Loan  Queries/As a user, I can see a Chatbot that helps in Loan-related Queries. | 5 | High | Nivetha |
| Sprint-3 | Testing & Deployment Phase-I | USN-7 | Testing the chatbot performance with the trained banking functionalities or conversations/As a user, I can know the performance of the chatbot level | 10 | High | Priya,  Sananda |

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 |  | USN-8 | Integration of Flask webpage with the chatbot  assistant to provide a framework/As a user, I can see a webpage to access the chatbot. | 10 | High | Santhya,  Nivetha |
| Sprint-4 | Deployment Phase-II & Model Improvement | USN-9 | Deployment of AI-based chatbot for the banking Industry or Running the Chatbot service/As a user, I can see and use a 24\*7 banking chatbot. | 15 | High | Priya,  Santhya,  Nivetha,  Sananda |
| Sprint-4 |  | USN-10 | Improving the model efficiency whenever needed/As a user, I can see the newly updated chatbot in Future days. | 5 | Moderate | Priya,  Santhya,  Nivetha,  Sananda |

**Project Tracker, Velocity & Burndown Chart:**

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 5 Days | 31 Oct 2022 | 5 Nov 2022 | 20 | 5 Oct 2022 |
| Sprint-2 | 20 | 5 Days | 5 Nov 2022 | 9 Nov 2022 | 20 | 9 Nov 2022 |
| Sprint-3 | 20 | 5 Days | 10 Nov 2022 | 14 Nov 2022 | 20 | 14 Nov 2022 |
| Sprint-4 | 20 | 5 Days | 15 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |
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# Velocity:

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

***AV = 20/6 = 3.34***