

Project Planning Phase

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

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| Date | 22 October 2022 |
| Team ID | PNT2022TMID37257 |
| 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 | Building of Assistant | USN-1 | Creation of Banking Chatbot or Assistant using IBM Watson Assistant/ As a user, I can see a Banking Assistant. | 12 | High | Chaya, M.Kavita Nithya Sri |
| 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 | Susmita, Chaya M.Kavita |
| Sprint-2 | Modelling of Assistant | USN-3 | Building action and Adding responses to Account Creation/As a user, I can see a Chatbot which helps to create an account | 5 | High | Nithya Sri Susmita |
| Sprint-2 | | USN-4 | Building action and Adding responses to Banking related queries/As a user, I can see a Chatbot which helps to solve the banking queries. | 5 | High | Chaya M.Kavita |
| Sprint-2 | | USN-5 | Building action and Adding responses to Net Banking/As a user, I can see a Chatbot which helps to access Net Banking | 5 | High | Nithya Sri |
| Sprint-2 | | USN-6 | Building action and Adding responses to Loan Queries/As a user, I can see a Chatbot which helps in Loan related Queries. | 5 | High | Susmita |
| 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 chatbots performance level | 10 | High | Chaya M.Kavita, Nithya Sri |

| 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 | Susmita Chaya Nithya Sri |
| Sprint-4 | Deployment Phase-II & Model Improvement | USN-9 | 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. | 15 | High | M.Kavita Nithya Sri, Chaya, Susmita |
| Sprint-4 | | USN-10 | Improving the model efficiency whenever needed/As a user, I can see new updated chatbot in Future days. | 5 | Moderate | Chaya M.Kavita, Nithya Sri, Susmita, |

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 |
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|--------|--------------------|----------|-------------------|---------------------------|---|------------------------------|
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Velocity:

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

$$AV = 20/6 = 3.34$$

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.

