**Project Planning Phase**

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

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| --- | --- |
| Date | 07 November 2022 |
| Team ID | PNT2022TMID10041 |
| 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 | Sabarivasan,sneak  Rithwik vinod,sonu Unnikrishnan |
| Sprint-1 | Action Skills Creation | USN-2 | As a user, I can add new action skills to resolve customer queries. | 4 | High | Sabarivasan,sneka |
| 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 | Sabarivasan,son Unnikrishnan |
| 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 | Rithwik vinod, Sneka, sabarivasan |
| 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 | Sabarivasan |

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
|  |  |  | loan,housing loan,vehicle loan from the bank. |  |  | Sneka |
| 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 | Sabarivasan, Rithwik vinod |
| 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 | Sonu unnikrishnan, Rithwik vinod |
| 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 | Sonu unnikrishnan, Sneka |
| 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 | Sabarivasan,  sneka,sonu unnikrishnan |
| 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 | Sabarivasan, Sneka |

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

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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 | 6 Days | 01 Nov 2022 | 07 Nov 2022 | 20 | 07 nov 2022 |
| Sprint-2 | 20 | 6 Days | 01 Nov 2022 | 07Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 01 Nov 2022 | 07 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 01 Nov 2022 | 07 Nov 2022 | 20 | 07 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)

Average Velocity = Sprint duration / 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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) [development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.