**Project Planning Phase**

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

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| --- | --- |
| Date | 18October 2022 |
| Team ID | PNT2022TMID43281 |
| Project Name | Real-time communication system powered by AI for specially abled |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

| **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 the application by entering my email, password, and confirming my password. | 12 | High | Kathirvel, saravanan Srikanth ,ajith |
| Sprint-1 | Action Skills Creation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 4 | High | Srikanth, Kathirvel, ,ajith |
| Sprint-2 | Savings Account Action | USN-3 | As a user, I can register for the application through Facebook | 4 | Low | Saravanan,ajith |
| Sprint-1 | Current Account Action | USN-4 | As a user, I can register for the application through Gmail | 10 | Medium | Kathirvel, saravanan |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 10 | High | Srikanth, ,ajith |
|  |  |  |  |  |  |  |
| 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 | Srikanth , Kathirvel, |
| 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 | High | Srikanth, ,ajith |
| 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. | 10 | High | Srikanth, Kathirvel, |
| 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. | 12 | High | Srikanth, saravanan |
| 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. | 6 | Medium | Ajith, saravanan |

**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 | 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)

Average Velocity = Sprint duration / Velocity

\ = 20 / 6 = 3.33