**Project Planning Phase**

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

| Date | 04-November 2022 |
| --- | --- |
| Team ID | PNT2022TMID26111 |
| Project Name | Project - Visualizing And Predicting Heart Diseases With An Interactive Dashboard. |
| 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 web page by entering my email, password, and confirming my password. | 3 | High | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-1 | Authentication | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 3 | High | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-1 | Authentication | USN-3 | As a user, I can register for the application through Gmail. | 2 | Medium | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password. | 3 | High | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-1 | Dashboard | USN-5 | On entering the registered email id,I can access the dashboard. | 3 | High | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-1 | Support | USN-6 | If I face any issues,then I can report it to their email address. | 2 | Medium | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-2 | Accessing dashboard | USN-7 | The user uses his/her personal email id to access the dashboard | 4 | Medium | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-2 | Prediction Page | USN-8 | The user can view the prediction. | 6 | High | Swetha B  Sneha R  Santhiya G  Poornisha |
| Sprint-3 | Validation | USN-9 | The administrator will be able to login with their login IDs. | 6 | High | Swetha B  Sneha R  Santhiya G  Poornisha L |
| Sprint-4 | Result | USN-10 | The user will get the output. | 6 | High | Swetha B  Sneha R  Santhiya G  Poornisha |

**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 | 16 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 16 | 29 Oct 2022 |
| Sprint-2 | 10 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 10 | 05 Nov 2022 |
| Sprint-3 | 06 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 06 | 12 Nov 2022 |
| Sprint-4 | 06 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 06 | 19 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)

AV = Sprint duration / Velocity

Sprint-1 = 16 / 6 = 2.6

Sprint-2 = 10 / 6 =1.6

Sprint-3 = 6 / 6 = 1

Sprint-4 = 6 / 6 = 1

**Burndown Chart:**

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile[software 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.

