**Project Planning Phase**

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

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| --- | --- |
| Date | 01 November 2022 |
| Team ID | PNT2022TMID03384 |
| Project Name | Visualizing and Predicting Heart Diseases with an Interactive Dash Board |
| 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 | Registration | USN-1 | As a user, I can register for the application by  entering my email, password, and confirming my password. | 3 | High | 1 |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 3 | High | 3 |
| Sprint-1 |  | USN-3 | As a user, I can register for the application through Gmail | 3 | Medium | 1 |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 6 | High | 5 |
| Sprint-2 | Dashboard | USN-5 | Attractive dashboard For the Application | 3 | Medium | 3 |
| Sprint-2 |  | USN-6 | Profile - view & update your profile | 5 | Low | 2 |
| Sprint-2 |  | USN-7 | Home - Analyze your Heart problem | 2 | High | 4 |
| Sprint-2 |  | USN-8 | The user will have to fill in the below 13 fields for the system to predict a disease  -Age in year -Gender  -Chest pain Type  -Fasting Blood Sugar  -Resting Electrographic Results  -Exercise Induced Angina  -Trust Blood Pressure | 7 | High | 2 |
| Sprint-3 | Support | USN-9 | Get feedback from users | 10 | Medium | 3 |

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-3 |  | USN-10 | Responds to user queries via telephone,email etc. | 3 | Medium | 2 |
| Sprint-3 |  | USN-11 | The team must respond immediately to the queries based on the priority | 5 | High | 5 |
| Sprint-4 | System Requirements | USN-12 | Hardware Requirement   1. Laptop or PC    * i5 processor system or higher    * 4 GB RAM or higher    * 128 GB ROM or higher 2. Mobile    * (12.0 and above) | 5 | Low | 2 |
| Sprint-4 |  | USN-13 | Software Requirement   1. Laptop or PC    * Windows 10 or higher    * Android Studio | 8 | Medium | 4 |

# 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 | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 30 Oct 2022 | 04 Nov 2022 | 17 | 04 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 05 Nov 2022 | 11 Nov 2022 | 18 | 11 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 12 Nov 2022 | 17 Nov 2022 | 19 | 17 Nov 2022 |

**Velocity:**

Imagine we have a 6-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 = 20 / 6 = 3**

# 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](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.

