**Project Planning Phase**

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID43406 |
| Project Name | Project -Classification of Arrythmia by Using Deep learning with 2D ECG Spectral Image Representation |
| 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 | Website Introduction | USN-1 | As a user, I would be to enter the application and read about the information of cardiovascular diseases and the effects of undetected arrythmia | 1 | Low |  |
| Sprint-1 | Website Introduction | USN-2 | As a user, I would be able to identify different types of arrythmia in the application. | 1 | Low |  |
| Sprint-2 | Image selection | USN-3 | As a user, I can choose image files from my system and give as input into the application. | 2 | Low |  |
| Sprint-3 | Prediction | USN-4 | As a user, I can find out about the condition of my heart beat as Left Bundle Branch Block | 3 | High |  |
| Sprint-3 | Prediction | USN-5 | As a user, I can find out about the condition of my heart beat as Normal | 5 | High |  |
| Sprint-3 | Prediction | USN-6 | As a user, I can find out about the condition of my heart beat as Premature Atrial Contraction | 5 | High |  |
| Sprint-3 | Prediction | USN-7 | As a user, I can find out about the condition of my heart beat as Premature Ventricular Contraction | 5 | High |  |
| Sprint-3 | Prediction | USN-8 | As a user, I can find out about the condition of my heart beat as Right Bundle Branch Block | 5 | High |  |
| Sprint-3 | Prediction | USN-9 | As a user, I can find out about the condition of my heart beat as Ventricular Fibrillation | 5 | High |  |
| Sprint-4 | Outcome | USN-10 | As a user, I can find the results and preventive methods of my condition | 3 | Medium |  |
|  |  |  |  |  |  |  |

**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 | 7 Days | 24 Oct 2022 | 31 Oct 2022 | 2 | 29 Oct 2022 |
| Sprint-2 | 20 | 3 Days | 31 Oct 2022 | 03 Nov 2022 | 2 | 29 Oct 2022 |
| Sprint-3 | 20 | 8 Days | 03 Nov 2022 | 12 Nov 2022 | 30 | 29 Oct 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 3 | 29 Oct 2022 |
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**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)



**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.