# Project Planning Phase

## Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

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|---|---|
| Date | 4 November 2022 |
| Team ID | PNT2022TMID01315 |
| Project Name | ClassificationofArrhythmiabyUsingDeepLearning with 2-D ECG Spectral ImageRepresentation |
| Maximum Marks | 8 Marks |

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

Use the below template to create a 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, creatinga password, and confirming my password. | 7 | High | JAYASREE |
| Sprint-1 | | USN-2 | As a user, I will receive a confirmation email once I have registered for the application | 3 | High | LIKITHA |
| Sprint-2 | Login | USN-3 | As a user, I can log into the application usingmy phone number | 3 | Medium | BHARATHI |
| Sprint-2 | | USN-4 | As a user, I can log into the application using the username & password | 4 | Medium | ABIRAMI |
| Sprint-2 | | USN-5 | As a user, I can log into the application by entering my email & password | 3 | High | ABIRAMI |
| Sprint-3 | Home Page | USN-6 | As a user, I can see the description of each type of Arrhythmia | 2 | Medium | BHARATHI |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-3 | Gettinguserinput | USN-7 | Asauser,Icansharemyinputlike medicalreports | 2 | High | BHARATHI |
| Sprint-3 | Processing the Result | USN-8 | By using the trained dataset it provides the appropriate results. | 6 | High | LIKITHA |
| Sprint-4 | Report Generation | USN-9 | Afterthecomplete analysis,thereportwill be generated which will display the type of arrhythmia | 7 | High | JAYASREE |
| Sprint-4 | Treatment and diet suggestions | USN-10 | It will provide treatments and diet suggestions according to the report. | 3 | Medium | ABIRAMI |

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

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$