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

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|---|---|
| Date | 25 October 2022 |
| Team ID | PNT2022TMID16902 |
| Project Name | Project - Classification of arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation |
| 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 | User can register for the application by entering email, application form or phone number | 10 | High | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |
| Sprint-1 | User Confirmation | USN-2 | User will receive a confirmation email or OTP | 10 | High | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |

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|---|---|---|---|---|---|---|
| Sprint -2 | User Personal Information | USN-3 | User should provide his personal details like name, age, height and weight | 10 | Medium | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
|---|---|---|---|---|---|---|
| Sprint -2 | User Login | USN-4 | User can log into the application by entering email & password | 10 | High | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |
| Sprint -3 | Dashboard | USN-5 | User must give the heart condition they are suffering with. All the databases collected are displayed to the user | 10 | High | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |

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|---|---|---|---|---|---|---|
| Sprint -3 | Cloud Storage | USN-6 | The developer must create a storage in cloud for storing customer information | 10 | High | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |
| Sprint -4 | Training the software | USN-7 | The developer must train the software with various datasets and train | 10 | High | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| | | | the system to classify the output | | | |
| Sprint -4 | Application | USN-8 | The classified output is given to the user | 10 | High | Annapoorna, Anukeerthana, Anupriya, Mohanapriya |

**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) |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Sprint1 | 20 | 7 Days | 24 Oct 2022 | 30 Oct 2022 | 20 | 31 Oct 2022 |
| Sprint2 | 20 | 7 Days | 31 Oct 2022 | 06 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint3 | 20 | 7 Days | 07 Nov 2022 | 13 Nov 2022 | 20 | 14 Nov 2022 |
| Sprint4 | 20 | 7 Days | 14 Nov 2022 | 20 Nov 2022 | 20 | 21 Nov 2022 |

**Velocity:**

To calculate the team's average velocity (AV) per iteration unit

$$Av = Velocity / Sprint\ duration$$

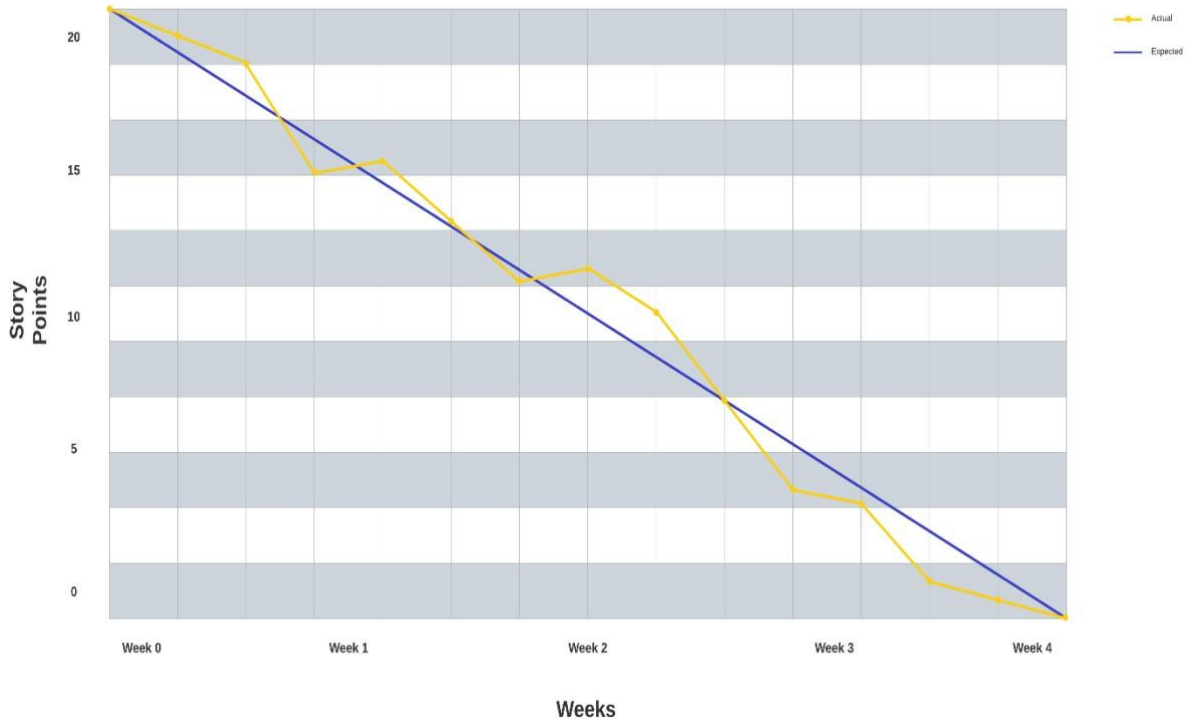
Where,

Average Velocity - Story points per day Sprint duration - Number of days (Duration) for Sprints Velocity - Points per Sprint

$$Av = 20/7 = 2.85$$

Average Velocity is 3 points per Sprint

**Burndown Chart:**


Actual
Expected
20
15
10
5
0
Story Points
Week 0
Week 1
Week 2
Week 3
Week 4
Weeks