# Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 9 NOVEMBER 2022 |
| Team ID | PNT2022TMID04139 |
| Project Name | Project - AI - based localization and classification of skin disease with erythema |
| 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 | Akshaya R S |
| Sprint- 1 | Registration Confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 2 | Medium | Harini R |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint- 2 | Apply through mobile | USN-3 | As a user, I can register for the application through mobile  number | 3 | High | Akshaya H |
| Sprint- 2 | Apply through other platform | USN-4 | As a user, I can also register through Facebook, Google. | 3 | High | Dharini VK |
| Sprint- 2 | Login | USN-5 | As a user, I can log into the application by entering login  credentials | 3 | High | Harini R |
| Sprint- 3 | Dashboard | USN-6 | As a user, I can upload my images and get my details  of skin diseases | 3 | High | Akshaya H |
| Sprint- 1 | Logout | USN-7 | As a user, I can logout successfully | 2 | Medium | Akshaya R S |
| Sprint- | Feedback | USN-8 | As a developer | 2 | Medium | Dharini V K |
| 4 | , I can able to interact with all customer and get their review. |  |
| Sprint- | Image | USN-9 | The uploaded | 3 | High | Harini R |
| 3 | processing, | image is |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | localization |  | preprocessed and fed into the trained YOLO model |  |  |  |
| Sprint- | Classificati | USN-9 | The YOLO | 3 | High | Akshaya H |
| 4 | on and | model classify |
|  | prediction | and predict the |
|  |  | type of  disease. |
|  |  |  |
|  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-4 | Recommendation | USN -10 | Based on the Recommendation of skin specialist doctors' based on predicted diseases. | 2 | Medium | Harini R |
| Sprint-4 | Report Generation | USN-11 | Report will be generated for the predicted diseases. | 2 | Medium | Akshaya R S |
|  |  |  |  |  |
|  |  |  |  |  |

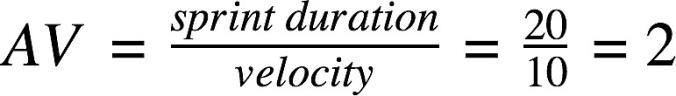
# Project Tracker, Velocity & Burndown Chart: (4 Marks)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 5 Days | 09 NOV  2022 | 13 Nov 2022 | 20 | 13 Nov  2022 |
| Sprint-2 | 20 | 5 Days | 10 NOV  2022 | 14 Nov  2022 | 20 | 14 Nov  2022 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-3 | 20 | 5 Days | 13 Nov  2022 | 17 Nov  2022 | 20 | 17 Nov  2022 |
| Sprint-4 | 20 | 5 Days | 16 Nov  2022 | 22 Nov  2022 | 20 | 22 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)



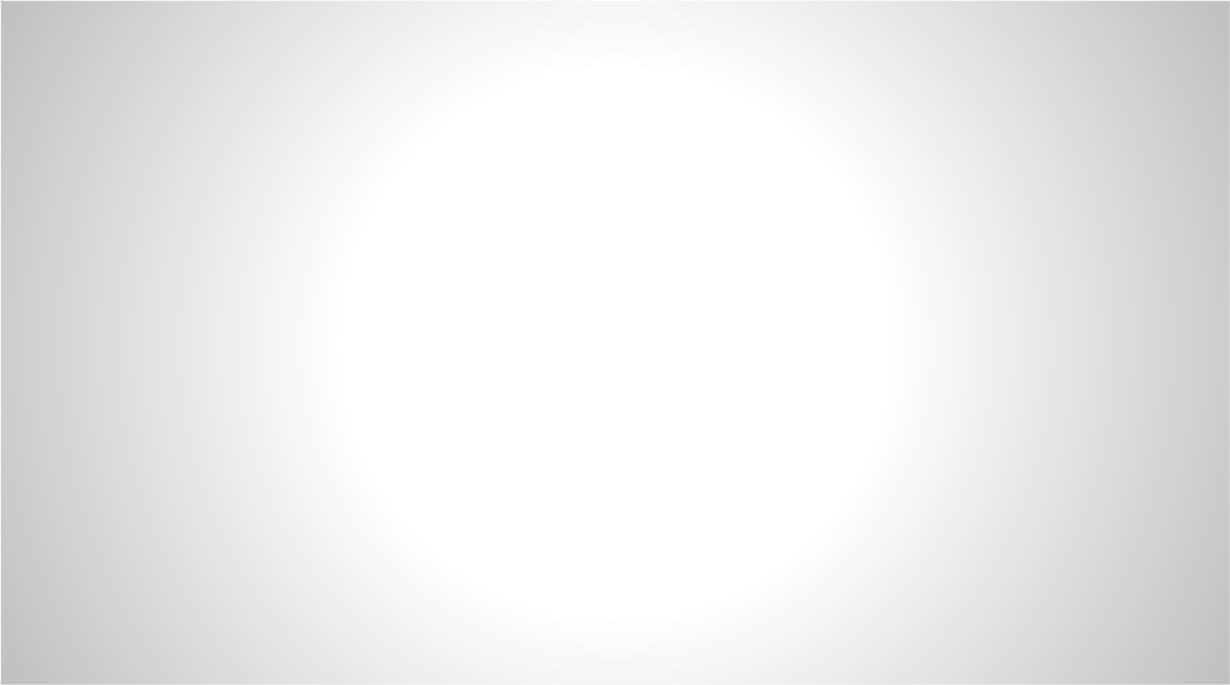
Average Velocity = Story Points per Day Sprint Duration = Number of (Duration) days per Sprint Velocity = Points per Sprint

AV = 𝟐𝟎 /**5** ≈ 4

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT

**Burn down Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies 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.



DAY 1 DAY 2

remaining effort

DAY 3

ideal effort

**BurntDown Chart**

**80**

**66.6 69 6667**

**666**

**3.333333**

**48**

**40**

**26**

**6666666**

**14 13.33333333**

**6**

DAY 0

DAY 4

**0**

DAY 5