Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 23 October 2022 |
| Team ID | PNT2022TMID44903 |
| 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**  **Requireme nt (Epic)** | **User**  **Story Numb er** | **User Story /**  **Task** | **Story**  **Poin ts** | **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 | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
| Sprint-  1 |  | USN-2 | As a user, I will  receive confirmation email once I have registered for the application | 2 | Medi  um | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
| Sprint-  2 |  | USN-3 | As a user, I can  register for the application through mobile number | 3 | High | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-  2 |  | USN-4 | As a user. I will  receive confirmation SMS | 3 | High | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
| Sprint-  2 | Login | USN-5 | As a user, I can  log into the application by entering login credentials | 3 | High | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
| Sprint-  3 | Dashboard | USN-6 | As a user, I can  upload my images and get my details of skin diseases | 3 | High | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
| Sprint-  1 | Logout | USN-7 | As a user, I can  logout successfully | 2 | Medi  um | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
| Sprint- | Feedback | USN-8 | As a customer | 2 | Medi |  |
| 4 | care executive, | um | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
|  | I can able to |  |  |
|  | interact with all |  |  |
|  | the customer |  |  |
|  | and get their |  |  |
|  | feedback which |  |  |
|  | is used to |  |  |
|  | enhance the |  |  |
|  | scope of the |  |  |
|  | project |  |  |
| Sprint- | Image | USN-9 | The uploaded | 3 | High |  |
| 3 | processing, | image is |  |
|  | localization | preprocessed |  |
|  |  | and fed into the | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
|  |  | trained YOLO |  |
|  |  | model |  |
| Sprint- | Classificati | USN-9 | The YOLO | 3 | High |  |
| 4 | on and | model classify |  |
|  | prediction | and predict the |  |
|  |  | type of disease |  |
|  |  | and the area | NIVEDHA P  ELAKKIYA R  GOPIKA V  MONISHA M |
|  |  | affected |  |

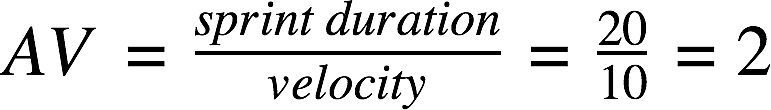
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| Sprint- | Report | USN- | Based on the | 2 | Medi |  |
| 4 | Generation | 10 | prediction of | um |  |
|  |  |  | skin diseases, |  |  |
|  |  |  | the health care |  |  |
|  |  |  | report |  |  |
|  |  |  | generated to |  |  |
|  |  |  | provide |  |  |
|  |  |  | feedbacks |  |  |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total**  **Story Points** | **Durati**  **on** | **Sprint**  **Start Date** | **Sprint End**  **Date (Planned)** | **Story**  **Points Complet ed (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 | 31 Oct  2022 | 05 Nov  2022 | 20 | 05 Nov  2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov  2022 | 12 Nov  2022 | 20 | 12 Nov  2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov  2022 | 19 Nov  2022 | 20 | 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)



Average Velocity = Story Points per Day



**BurntDown Chart**

**80**

**66.66666667**

**69**

**53.33333333**

**48**

**40**

**26**

**26.66666667**

**14 13.33333333**

**6**

DAY 0

DAY 1

DAY 2

DAY 3

DAY 4

DAY 5

**0**

DAY 6

remaining effort ideal effort

Sprint Duration = Number of (Duration) days per Sprint Velocity = Points per Sprint

AV = 𝟐𝟎 /𝟔 ≈ 4

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT

**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.