Project Planning Phase

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

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| --- | --- |
| Date | 10 November 2022 |
| Team ID | PNT2022TMID34120 |
| Project Name | 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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Prerequisites | USN-1 | Install Python IDE, Python packages, Microsoft Visual Object Tagging Tool, Yolo Structure | 7 | High | J.S. Keerthana  K.B. Pavithra |
| Sprint-1 | Data Collection | USN-2 | Dataset should be collected from real time or from gallery or collect it from google | 10 | High | S.P. Bala Ajitha  S.P. Bala Abitha |
| Sprint-1 | Annotate Images | USN-3 | Create a project in Visual Object Tagging Tool | 3 | Medium | M. Devi Bharathi |
| Sprint-2 | Training YOLO | USN-4 | In this we will train our model using YOLO weights | 5 | Medium | Keerthana.J.S |
| Sprint-2 |  | USN-5 | Download and convert pre-trained weights | 5 | High | S.P. Bala Ajitha |
| Sprint-2 |  | USN-6 | To start training run the training script within the YOLO structure. | 10 | Low | S.P. Bala Abitha |
| Sprint-3 | Cloudant DB | USN-7 | Register and Login to IBM Cloud | 5 | Medium | K.B. Pavithra |
| Sprint-3 |  | USN-8 | Create Service Instant and credentials | 5 | High | M. Devi Bharathi |
| Sprint-3 |  | USN-9 | Launch Cloudant DB and then create database | 2 | High | Keerthana.J.S |

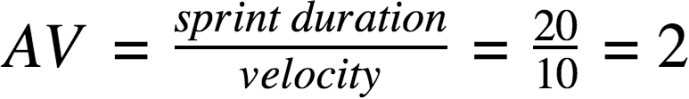
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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Developing Phase | USN-10 | In this build a web application that is integrated to the caffemodel. | 3 | Low | Pavithra.K.B |
| Sprint-3 |  | USN-11 | For this build HTML pages | 2 | Medium | Bala Ajitha .S.P |
| Sprint-3 |  | USN-12 | Develop and build the python code to run the application. | 3 | Medium | M.Devi Bharathi |
| Sprint-4 | Testing phase | USN-13 | As a user login to the dashboard | 10 | High | Bala Abitha.S.P |
| Sprint-4 |  | USN-14 | As a user import the skin affected disease image to the software application. | 5 | Medium | M. Devi Bharathi |
| Sprint-4 |  | USN-15 | YOLO will process the image and give the result as unaffected or affected with other details | 5 | Medium | Pavithra .K.B |

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

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



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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/> <https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software> <https://www.atlassian.com/agile/tutorials/epics> <https://www.atlassian.com/agile/tutorials/sprints> <https://www.atlassian.com/agile/project-management/estimation> <https://www.atlassian.com/agile/tutorials/burndown-charts>