Project Planning Phase

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

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| Date | 9 November 2022 |
| Team ID | PNT2022TMID37372 |
| 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

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | Team Members |
| Sprint-1 | Pre-requisites | USN-1 | Install Python IDE, Python packages, Microsoft Visual Object Tagging Tool, Yolo Structure | 7 | High | Mithun,  Vijesh |
| Sprint-1 | Data Collection | USN-2 | Dataset should be collected from realtime or  from gallery or collect it from google | 10 | High | Sam Jayaraj,  Srikumar |
| Sprint-1 | Annotate Images | USN-3 | Create a project in Visual Object Tagging Tool | 3 | Medium | Dineshkumar,  Vijesh |
| Sprint-2 | Training YOLO | USN-4 | In this we will train our model using YOLO weights | 5 | Medium | Mithun,  Sam Jayaraj |
| Sprint-2 |  | USN-5 | Download and convert pre-trained weights | 5 | High | Srikumar,  Dineshkumar |
| Sprint-2 |  | USN-6 | To start training run the training script within the YOLO structure. | 10 | Low | Vijesh,  Sam Jayaraj |
| Sprint-3 | Cloudant DB | USN-7 | Register and Login to IBM Cloud | 5 | Medium | Dineshkumar,  Mithun |
| Sprint-3 |  | USN-8 | Create Service Instant and credentials | 5 | High | Srikumar,  Vijesh |

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | Team Members |
| Sprint-3 |  | USN-9 | Launch Cloudant DB and then create database | 2 | High | Sam Jayaraj,  Mithun |
| Sprint-3 | Developing Phase | USN-10 | In this build a web application that is  integrated to the caffemodel. | 3 | Low | Dineshkumar,  Srikumar |
| Sprint-3 |  | USN-11 | For this build HTML Pages | 2 | Medium | Vijesh,  Srikumar |
| Sprint-3 |  | USN-12 | Develop and build the python code to run the application. | 3 | High | Mithun,  Dineshkumar |
| Sprint-4 | Testing Phase | USN-13 | As a user login to the dashboard | 10 | High | Vijesh,  Sam Jayaraj |
| Sprint-4 |  | USN-14 | As a user import the skin affected disease image to the software application. | 5 | Medium | Srikumar,  Mithun |
| Sprint-4 |  | USN-15 | YOLO will process the image and give the result as unaffected or affected with other  details | 5 | Medium | Dineshkumar,  Samjayaraj |

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>