# Project Planning Phase

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

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|---|---|
| Date | 03 November 2022 |
| Team ID | PNT2022TMID13049 |
| Project Name | Project -Detecting Parkinsons Disease using Machine Learning |
| 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 | Data Collection | USN-1 | Collect the dataset or Create the dataset . | 2 | High | Gowtham S PragatheeswaranT Nisarani Aswath |
| Sprint-2 | Image Preprocessing | USN-2 | Importing the required libraries and Loading Train data and Test data .<br>Quantifying images with Label Encoding | 1 | High | Gowtham S PragatheeswaranT Nisarani Aswath |
| Sprint-3 | Model Building | USN-3 | Training the model,Testing the model ,Model Evaluation, Saving the model | 2 | Low | Gowtham S PragatheeswaranT Nisarani Aswath |

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|---|---|---|---|---|---|---|
| Sprint-4 | Application Building | USN-4 | Create an HTML file and and Build Python Code | 2 | Medium | Gowtham S<br>PragatheeswaranT<br>Nisarani<br>Aswath |

**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 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 10 | |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 0 | |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 0 | |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 0 | |

**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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$