

Project Planning Phase

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

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|---------------|--|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID08567 |
| Project Name | Project - Detecting Parkinson's 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-4 | Viewing Home Page | USN-1 | As a user, I can view the home page which has a description of the disease as well as options to sign up or log in. | 2 | Low | Reena Reemaa Yuvasri |
| Sprint-4 | Sign Up Page | USN-2 | As a user, I can register for the application by entering my name, phone number, email, password, and confirming my password. | 2 | High | Reemaa Reena Yuvasri Nithish |
| Sprint-4 | Authorization | USN-3 | As a user, I will receive confirmation email once I have registered for the application. | 2 | High | Reemaa Reena Yuvasri Nithish |
| Sprint-4 | Login | USN-4 | As a user, I can log into the application by entering email & password. | 2 | High | Reemaa Reena Yuvasri Nithish |
| Sprint-4 | Dashboard | USN-5 | As a user, I can upload images of spiral and wave to the website in order to receive a diagnosis. | 2 | High | Reemaa Reena Yuvasri Nithish |
| Sprint-4 | Results | USN-6 | As a user, I can receive a diagnosis in addition to recommendations on what I should do now. | 2 | High | Reemaa Reena |

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|----------|-------------------------------|-------------------|--|--------------|----------|---------------------------------------|
| | | | | | | Yuvasri Nithish |
| Sprint-1 | Data Collection | USN-7 | I need to collect data (images of spirals and waves drawn by healthy people and Parkinson's patients). | 5 | High | Reemaa Reena Yuvasri Nithish |
| Sprint-1 | Data Pre-Processing | USN-8 | I need to clean my data and prepare it for model building by doing pre-processing activities such as resizing, converting from RGB to grayscale etc. | 5 | High | Reemaa Reena Yuvasri Nithish |
| Sprint-2 | Model Building 1 | USN-9 | I need to build the model using Random Forest Classifier for spiral images. | 8 | High | Reemaa Reena Yuvasri Nithish |
| Sprint 2 | Model Building 2 | USN-10 | I need to build the model using K Nearest Neighbour (KNN) for wave images. | 8 | High | Reemaa Reena Yuvasri Nithish |
| Sprint-3 | Model Deployment | USN-11 | I need to deploy the Machine Learning model that was built. | 13 | Medium | Reemaa Reena Yuvasri Nithish |
| Sprint-4 | Application Building | USN-12 | I need to build the website for the application using HTML, CSS and link it to the model. | 8 | High | Reemaa Reena Yuvasri Nithish |

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 | 10 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 10 | 29 Oct 2022 |
| Sprint-2 | 16 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 16 | 05 Nov 2022 |
| Sprint-3 | 13 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | |
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| | | | | | | |

Velocity:
Velocity report

» How to read this report



| Sprint | Commitment | Completed |
|-----------------|------------|-----------|
| DPDUML Sprint 1 | 15 | 10 |
| DPDUML Sprint 2 | 16 | 16 |

Burndown Chart:

Sprint burndown chart

How to read this report

Sprint

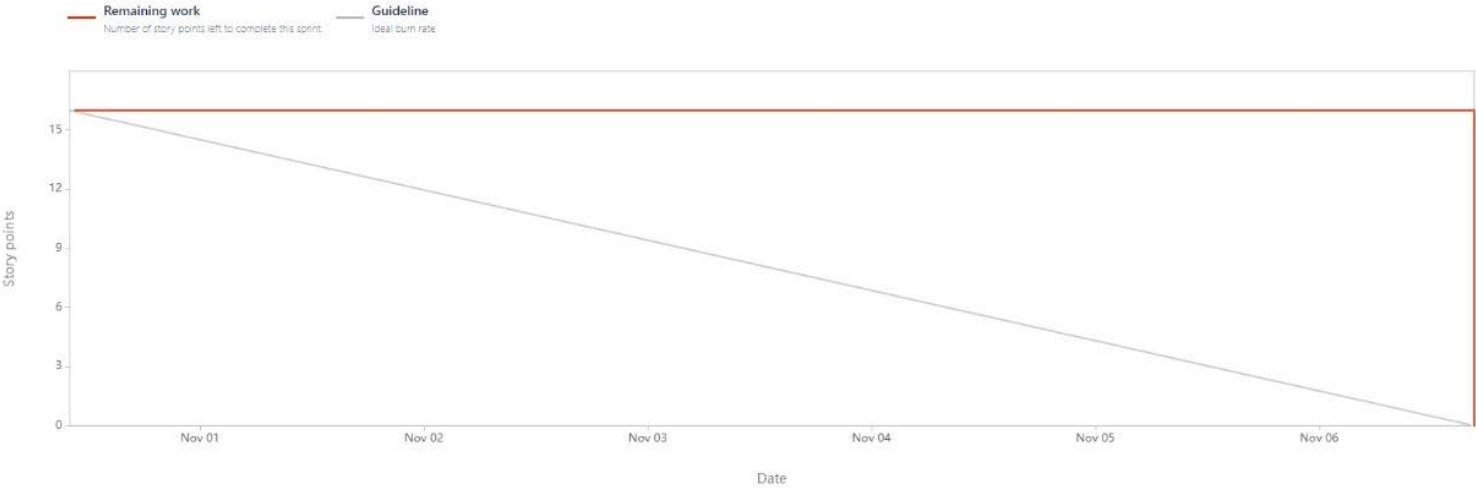
DPDUML Sprint 2

Estimation field

Story points

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Date - October 31st, 2022 - November 5th, 2022
Sprint goal - Building Model using Random Forest Classifier and K Nearest Neighbor.



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>