

Project Planning Phase

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

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|---------------|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID37085 |
| Project Name | Project - A Novel Method For Handwritten Digit Recognition System |
| 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 | Home | USN-1 | As a user, I can view the guide and awareness to use this application. | 1 | Medium | Vignesh M Hariharan D Haripradhap P Murugan M Monish kumar M |
| Sprint-1 | | USN-2 | As a user, I'm allowed to view the guided video to use the interface of this application. | 3 | High | Vignesh M Hariharan D Haripradhap P Murugan M Monish kumar M |
| Sprint-1 | | USN-3 | As a user, I can read the instructions to use this application. | 2 | Low | Vignesh M Hariharan D Haripradhap P Murugan M Monish kumar M |
| Sprint-2 | Recognize | USN-4 | As a user, In this recognition page I get to choose the image. | 4 | High | Vignesh M Hariharan D Haripradhap P Murugan M Monish kumar M |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|--|
| Sprint-3 | Predict | USN-5 | As a user, I'm Allowed to upload and choose the image to be uploaded | 3 | Low | Vignesh M Hariharan D Haripradhap P Murugan M Monish kumar M |
| Sprint-3 | | USN-6 | As a user, I will train and test the input to get the maximum accuracy of output. | 4 | High | Vignesh M Hariharan D Haripradhap P Murugan M Monish kumar M |
| Sprint-3 | | USN-7 | As a user, I can access the MNIST data set | 2 | Medium | Vignesh M Hariharan D Haripradhap P Murugan M Monish kumar M |

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 | 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)

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

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

