

Project Planning Phase

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID39604 |
| Project Name | Project – A GESTURE BASED TOOL FOR STERILE BROWSING RADIOLOGY IMAGES |
| 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 (Dataset) | USN-1 | As a user, I will download dataset of gestures for this project. | 2 | High | Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S |
| Sprint-1 | Image Preprocessing | USN-2 | As a user, I will import necessary libraries for image data generator and configure the image data generator class. | 2 | High | Shabnam Banu H Supriya P Vaishali S |
| Sprint-1 | Image Preprocessing | USN-3 | As a user, I will train and test the dataset to apply image data generator functionality. | 2 | High | Shabnam Banu H Supriya P Vaishali S |
| Sprint-2 | Model building | USN-4 | As a user, I can import necessary libraries and initialize the model. | 2 | Low | Shabnam Banu H Supriya P Vaishali S |
| Sprint-2 | Model Building | USN-5 | As a user, I will add CNN layers , Dense layers And configure the learning process. | 2 | Low | Shabnam Banu H |

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|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---|
| | | | | | | Supriya P Vaishali S |
| Sprint-2 | Model Building | USN-6 | As a user, I will train, save and test the model. | 2 | Medium | Shabnam Banu H Supriya P Vaishali S |
| Sprint-3 | Application Building | USN-7 | As a user, I create html front page (CSS for styling webpage and JS to connect back end). | 1 | High | Sasi Reka A Narmatha P Rajeshwari R |
| Sprint-3 | Application Building | USN-8 | As a user, I use python flask for building back end(for server side scripting). | 2 | High | Shabnam Banu H Supriya P Vaishali S |
| Sprint-3 | Application Building | USN-10 | As a user, going to run the application by combining both front end and back end. | 2 | High | Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S |
| Sprint-4 | Train the model on IBM | USN-11 | As a user, register for IBM cloud. | 1 | Medium | Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S |
| Sprint-4 | Train the model on IBM | USN-12 | As a user, train the model on IBM and integrate it with the flask application. | 2 | High | Shabnam Banu H Sasi Reka A Supriya P Narmatha P Rajeshwari R Vaishali S |

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 |
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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 burn down 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.

<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>