# PLANNING PHASE
## Sprint Delivery Plan

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

| | |
|---|---|
| **Date** | **3 NOVEMBER 2022** |
| **Team ID** | **PNT2022TMID17321** |
| **Project Name** | **Emerging Methods For Early Detection Of Forest Fires** |
| **Maximum Marks** | **8 Marks** |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Data Collection | USN-1 | As a user, I can collect the dataset from various resources with different handwritings. | 10 | Low | RAVIVARMAN REVANTH K SAKETH RAMU |
| Sprint-1 | Data Preprocessing | USN-2 | As a user, I can load the dataset, handling the missing data, | 10 | Medium | SAKETH RAMU |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| | | | scaling and split data into train and test. | | | |
| Sprint -2 | Model Building | USN-3 | As a user, I will get an application with ML model which provides high accuracy of recognized handwritten digit. | 5 | High | RAVIVARMAN<br><br>REVANTH<br>RAMU<br>SAKETH |
| Sprint -2 | Add CNN layers | USN-4 | Creating the model and | 5 | High | RAVIVARMAN |

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|---|---|---|---|---|---|---|
| | | | adding the input, hidden, and output layers to it. | | | RAMU |
| Sprint -2 | Compiling the model | USN-5 | With both the training data defined and model defined, it's time to configure the learning process. | 2 | Medium | RAVIVARMAN |
| Sprint -2 | Train & test the model | USN-6 | As a user, let us train our model with our image | 6 | Medium | RAMU |

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|---|---|---|---|---|---|---|
| | | | dataset. | | | |
| Sprint -2 | Save the model | USN-7 | As a user, the model is saved & integrated with an android application or web application in order to predict something. | 2 | Low | RAVIVARMAN |
| Sprint -3 | Building UI Application | USN-8 | As a user, I will upload the handwritten digit image to | 5 | High | REVANTH |

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|---|---|---|---|---|---|---|
| | | | **the application by clicking a upload button.** | | | |
| **Sprint -3** | | **USN-9** | **As a user, I can know the details of the fundamental usage of the application.** | **5** | **Low** | **RAVIVARMAN** RAMU |
| **Sprint -3** | | **USN-10** | **As a user, I can see the predicted / recognized digits in the application.** | **5** | **Medium** | **RAMU** REVANTH SAKETH |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| -4 | model on IBM | USN-11 | As a user, I train the model on IBM and integrate flask/Django with scoring end point. | 10 | High | RAMU |
| Sprint -4 | Cloud Deployment | USN-12 | As a user, I can access the web application and make the use of the product from anywhere. | 10 | High | RAVIVARMAN<br>RAMU<br>REVANTH |

| 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 |

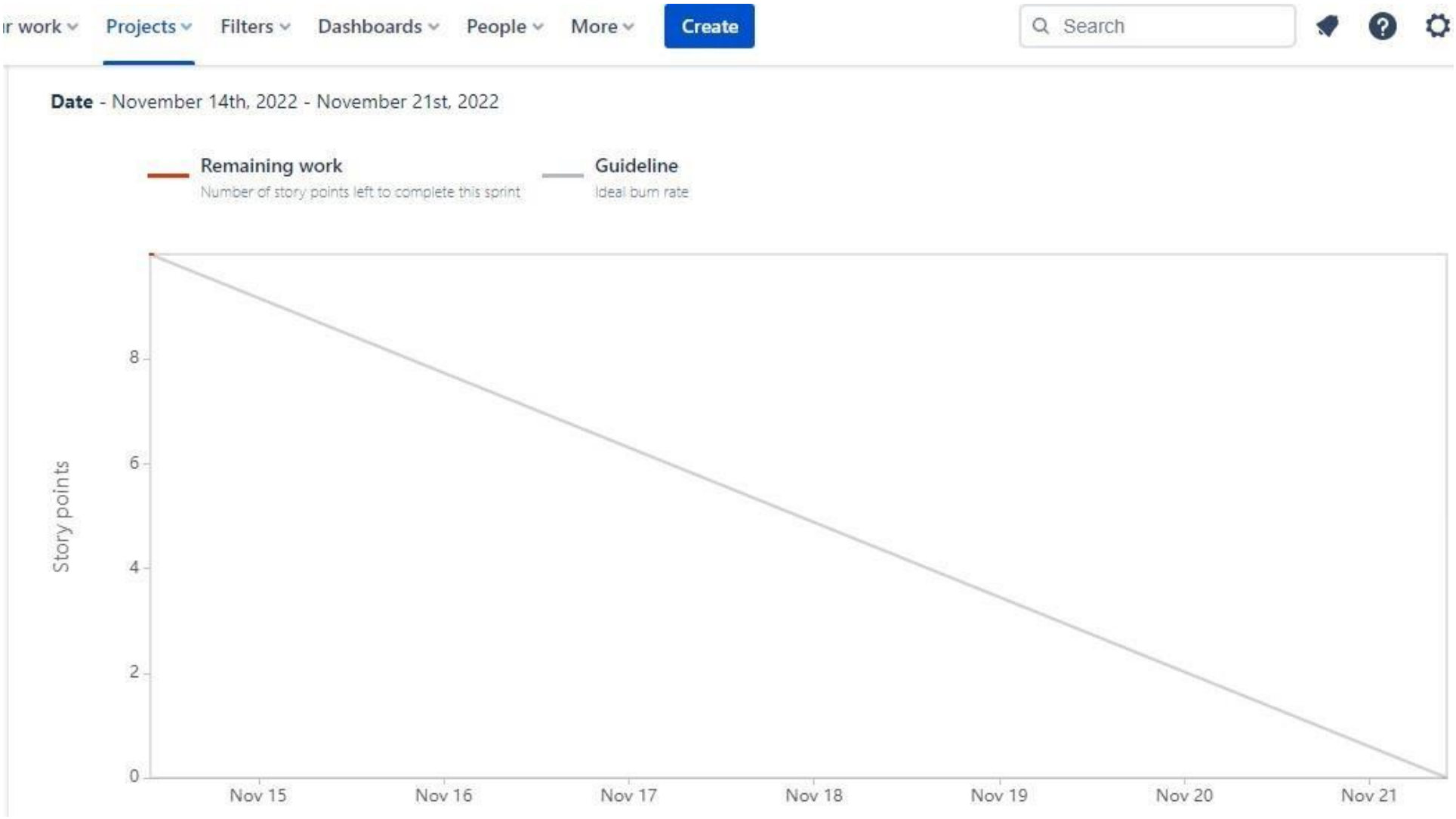
## Velocity:

**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)**

**Average Velocity = 20 / 6 = 3.33**

## 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.**


ır work
Projects
Filters
Dashboards
People
More
Create
Search
Date - November 14th, 2022 - November 21st, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
8
6
4
2
0
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19
Nov 20
Nov 21