

Project Planning Phase

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

Date	01 November 2023
Team ID	PNT2022TMID592722
Project Name	Travel Insurance Predication using Machine Learning
Maximum Marks	20 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	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the garbage classification project.	5	High	Siva Karthik
Sprint-1	development environment	USN-2	Gather a diverse dataset for training the machine learning model.	5	High	Siva Karthik
Sprint-2	Data Pre-processing	USN-3	Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets.	5	High	Ayaz
Sprint-2	Model Selection	USN-4	Explore and evaluate different machine learning architectures (e.g., random-forest) to select the most suitable model for travel-insurance prediction classification.	4	High	Ayaz

Sprint-3	Model Development	USN-5	Train the selected machine-learning model using pre-processed dataset and monitor its performance	5	High	Jayanth
Sprint-3		USN-6	Improve the model accuracy and robustness	3	Medium	Jayanth
Sprint-4	model deployment & Integration	USN-7	Deploy the trained machine learning model as an API or web service to make it accessible for travel insurance classification. integrate the model's API into a user-friendly web interface for users to receive travel insurance classification results based on the user input.	1	Medium	Akhil
Sprint-5	Testing & quality assurance	USN-8	Conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperparameters and optimize its performance based on user feedback and testing results.	1	Medium	Akhil

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	3 Days	27 Oct 2023	29 Oct 2023	10	29 Oct 2023
Sprint-2	9	3 Days	30 Oct 2023	1 Nov 2023	8	1 Nov 2023
Sprint-3	8	6 Days	2 Nov 2023	7 Nov 2023	6	7 Nov 2023
Sprint-4	5	4 Days	8 Nov 2023	11 Nov 2023	4	11 Nov 2023
Sprint-5	5	3 Days	12 Nov 2023	14 Nov 2023	3	14 Nov 2023

Velocity:

Average Velocity = Total Story Points Completed / Total Duration of Sprints

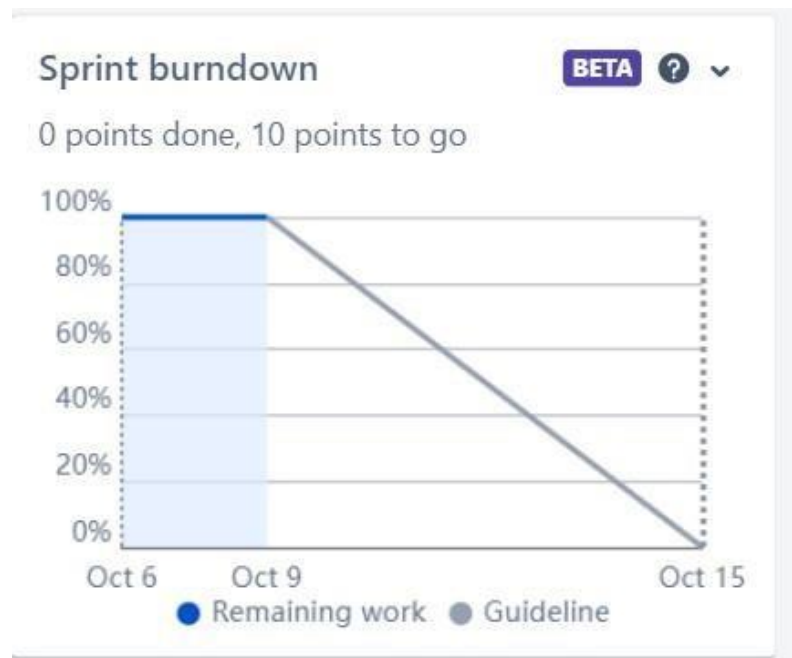
Total Story Points Completed = $10 + 7 + 5 + 3 + 3 = 28$

Total Duration of Sprints = $5 + 5 + 4 + 4 + 6 = 24$

Average Velocity = $28 / 24 = 1.16$

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.



Backlog Section:

Jira Software

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Dashboards ▾

Teams ▾

Plans ▾

Apps ▾

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Software project

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Issues without epic

> Project setup & Infrastructure

> Development environment

> Data Pre-processing

> Model Selection

> Model Development

> Model deployment & Integration

> Testing & quality assurance

+ Create epic

TIPUML Sprint 1 27 Oct – 29 Oct (2 issues)

0 0 0 Start sprint

TIPUML-8 Set up the development environment with the required tools and framework... PROJECT SET... DONE ▾ PR

TIPUML-9 Gather a diverse dataset for training the machine learning model. DEVELOPMEN... DONE ▾ PR

+ Create issue

2 issues | Estimate: 0

TIPUML Sprint 2 30 Oct – 1 Nov (2 issues)

0 0 0 Start sprint

TIPUML-10 Preprocess the collected dataset by resizing images, normalizing pixel valu... DATA PRE-PR... DONE ▾ SA

TIPUML-11 Explore and evaluate different machine learning architectures (e.g., random... MODEL SELEC... IN PROGRESS ▾ SA

+ Create issue

2 issues | Estimate: 0

TIPUML Sprint 3 2 Nov – 7 Nov (2 issues)

0 0 0 Start sprint

TIPUML-12 Train the selected machine-learning model using pre-processed dataset an... MODEL DEVE... IN PROGRESS ▾ GJ

TIPUML-13 Improve the model accuracy and robustness MODEL DEVE... IN PROGRESS ▾

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Quickstart

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Software project

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Backlog

GJ PR SA VA Invite Epic

Import work Insights View settings

- Epic
- Issues without epic
- Project setup & Infrastructure
 - Development environment
 - Data Pre-processing
 - Model Selection
 - Model Development
 - Model deployment & Integration
 - Testing & quality assurance
- + Create epic

2 issues | Estimate: 0

TIPUML Sprint 4 8 Nov – 11 Nov (1 issue) 0 0 0 Start sprint

TIPUML-14 Deploy the trained machine learning model as an API or web service to ma... MODEL DEPL... TO DO VA

+ Create issue

1 issue | Estimate: 0

TIPUML Sprint 5 12 Nov – 14 Nov (1 issue) 0 0 0 Start sprint

TIPUML-16 Conduct thorough testing of the model and web interface to identify and r... TESTING & Q... TO DO VA

+ Create issue

1 issue | Estimate: 0

Backlog (0 issues) 0 0 0 Create sprint

Your backlog is empty.

+ Create issue

Quickstart

