

Project Planning Phase

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

Date	17 October 2023
Team ID	
Project Name	Depression: A Common Mental Disorder
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	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the Depression: A Common Mental Disorder project.	1	High	Suyash
Sprint-1	development environment	USN-2	Gather a diverse dataset of different countries and the different depression disorders their people are facing for data analysis and visualisation.	2	High	Suyash
Sprint-2	data preprocessing	USN-3	Preprocess and clean the data to improve prediction accuracy and facilitate easier data visualisation and understanding	2	High	Meera
Sprint-3	Data storage in Tableau	USN-4	Store the data in Business Intelligence tools like Tableau for analysis	1	Medium	Meera
Sprint-3	Data analysis	USN-5	Perform a comprehensive data analysis to identify the specific visualizations and analytical approaches required to address the problem effectively	4	Medium	Meera

Sprint-3	Data Visualisation	USN-6	Generate a variety of data visualizations to enhance users' comprehension of the data and underscore the significance of the issue	6	High	Meera
Sprint-4	Insights	USN-7	Give the final insights about the issue and give measures how the issue can be solved.	4	High	Meera

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	3	1 Day	16 Oct 2023	16 Oct 2023	20	16 Oct 2023
Sprint-2	2	1 Days	17 Oct 2023	17 Oct 2023		17 Oct 2023
Sprint-3	11	1 Days	18 Oct 2023	18 Oct 2023		18 Oct 2023
Sprint-4	4	2 Days	19 Oct 2023	20 Oct 2023		20 Oct 2023

Velocity:

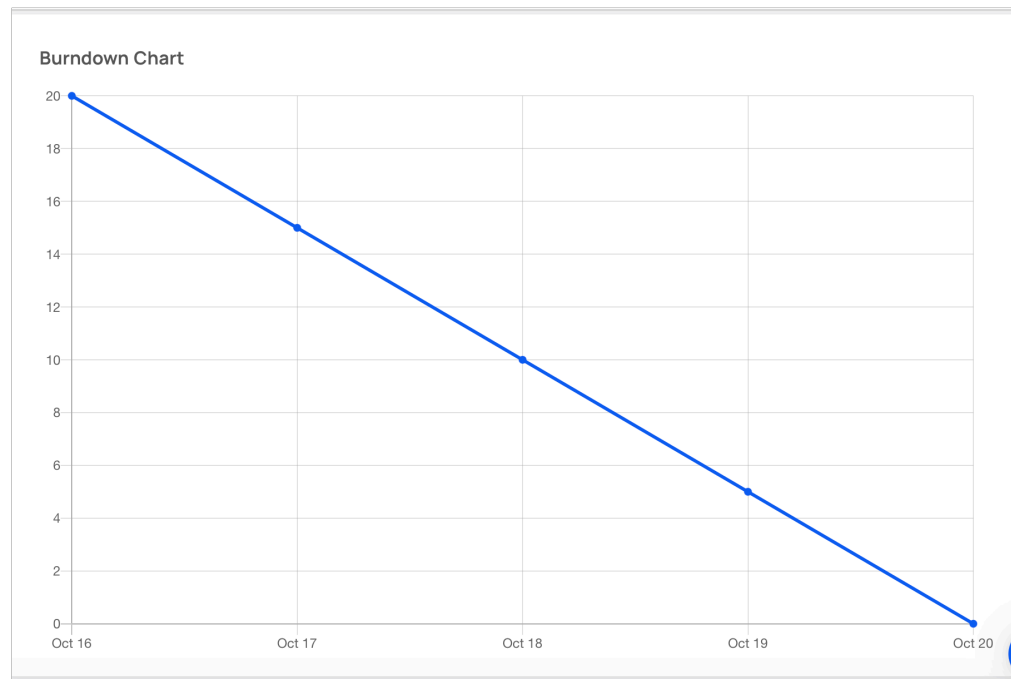
Imagine we have a 4-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

$$AV = 4/20 = 0.2$$

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>

BOARD

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Student Dashboard Home Page - Select... Depression - Jupyter... Global Trends in Me... global trends in me... Analyzing Mental H... model building for g... KAN board - Agile b...

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TO DO

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IN PROGRESS 1

Insights

🕒 20 OCT

☑ KAN-2

👤

DONE 6 ✓

Project setup & Infrastructure

🕒 16 OCT

☑ KAN-3 ✓ 👤

development environment

🕒 16 OCT

☑ KAN-4 ✓ 👤

data preprocessing

🕒 17 OCT

☑ KAN-5 ✓ 👤

Data storage in Tableau

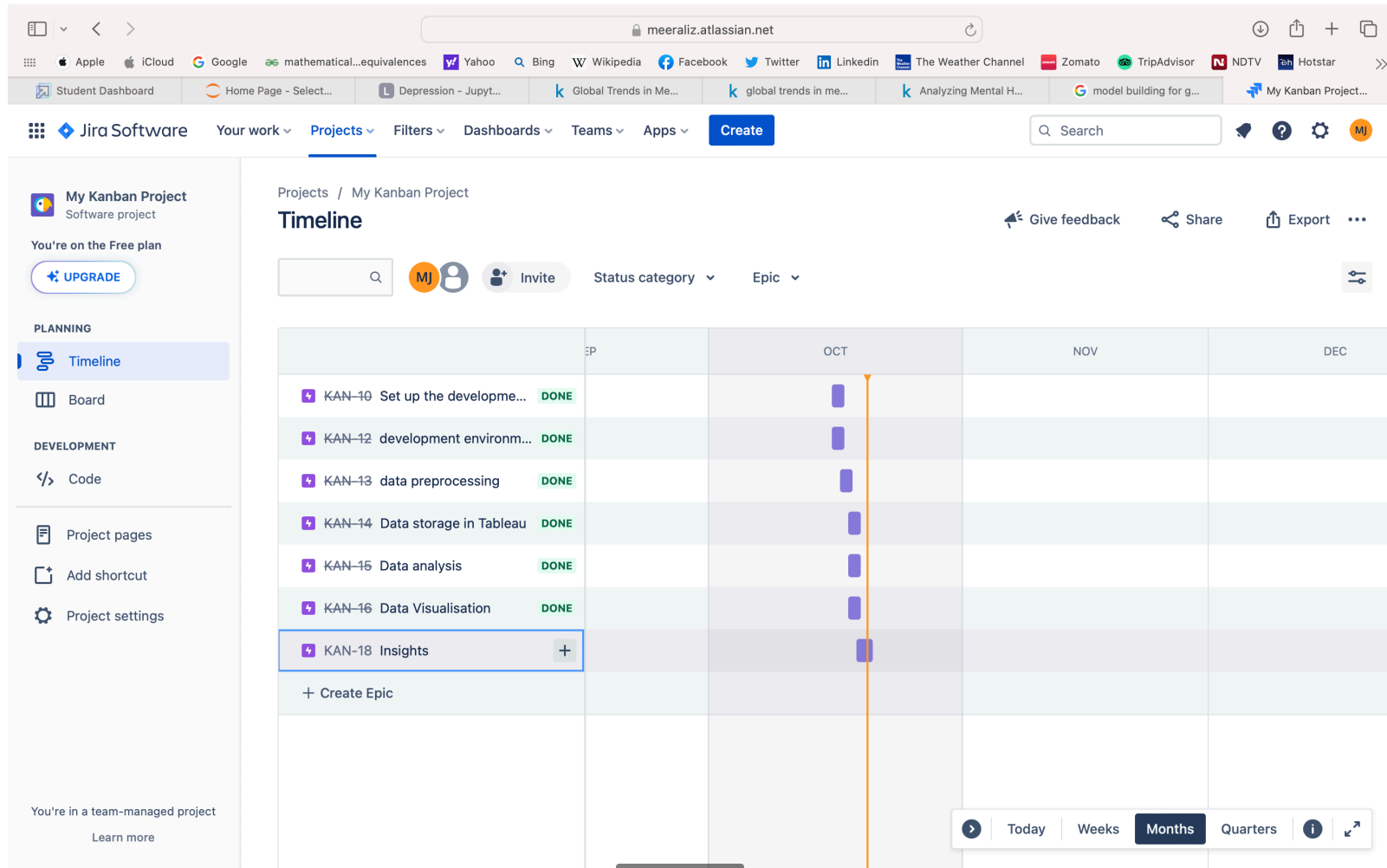
🕒 18 OCT

☑ KAN-6 ✓ 👤

Data analysis

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TIMELINE



BACKLOG

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Dashboard 1.mp4 - Google Drive Depression - Agile board - Jira JIRA - Burndown Chart

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0 issues | Estimate: 0

▼ **DEP Sprint 3** 18 Oct – 18 Oct (0 issues) 0 0 0 Start sprint ...

Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here.

+ Create issue

0 issues | Estimate: 0

▼ **DEP Sprint 4** 19 Oct – 20 Oct (2 issues) 2 3 0 Start sprint ...

- DEP-10 With the dataset using Jupyter notebook we'll perform predictive analysis **IN PROGRESS** 3 MJ
- DEP-11 Give the final insights about the issue and give measures how the issue can be solved. **TO DO** 2 MJ

+ Create issue

1 pt

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>