Project Planning Phase

Sprint Delivery Plan (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID33245
Project Name	Predicting the energy output of wind turbine based on weather condition
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a client, I can enlist for the application by entering my e-mail, watchword, and affirming my watchword	5	High	Ruthra sivaguru
Sprint-1	Registration	USN-2	As a client, I will get affirmation e-mail once I have enlisted for the application	5	High	Vignesh
Sprint-1	Registration	USN-3	As a client, I can enlist for the application through Google	5	Low	Sabaree raj

Sprint-1	Registration	USN-4	As a client, I can enlist for the application through Gmail	5	Medium	Vishwa kesan
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2	Login	USN-5	As a client, I can log into the application by entering mail & password	5	High	Ruthra sivaguru
Sprint-2	Dashboard	USN-6	Once logged in, I can get to my dashboard	6	Medium	Sabaree raj
Sprint-2	Web Access	USN-7	As a client, I can get to the site to foresee the turbine power	7	High	Vignesh
Sprint-2	Prediction	USN-8	As a client, when I enter the detail the site ought to anticipate the inexact turbine power	7	High	Vishwa kesan
Sprint-3	Analysis	USN-9	As a client, I wish to store my forecasts and make analysis	10	Medium	Ruthra sivaguru

Sprint-3	Security	USN-10	As a client I anticipate my information to be secured	10	Medium	Vignesh
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-4	Database Access	USN-11	As an chairman, I ought to keep up the site and keep overhauling it routinely	20	Medium	Ruthra sivaguru

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		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

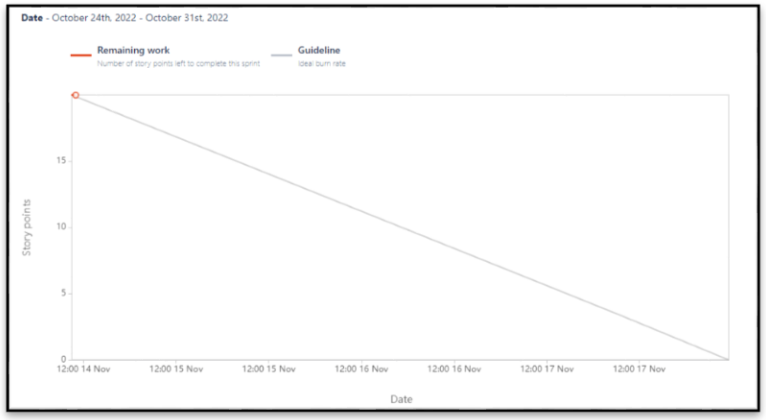
Velocity:

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)

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

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.


Date - October 24th, 2022 - October 31st, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
0
5
10
15
12:00 14 Nov
12:00 15 Nov
12:00 15 Nov
12:00 16 Nov
12:00 16 Nov
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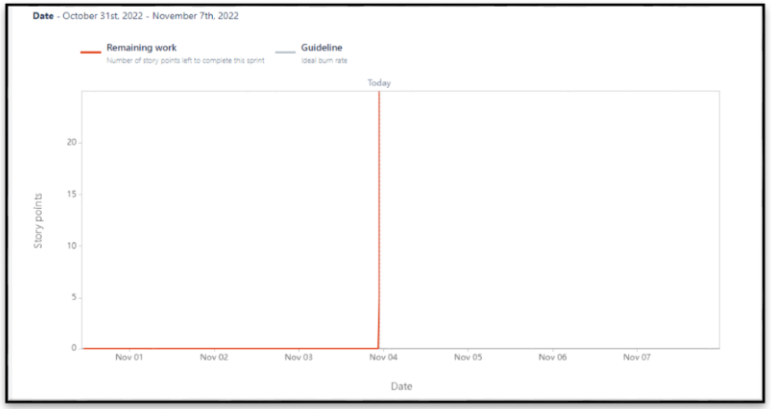
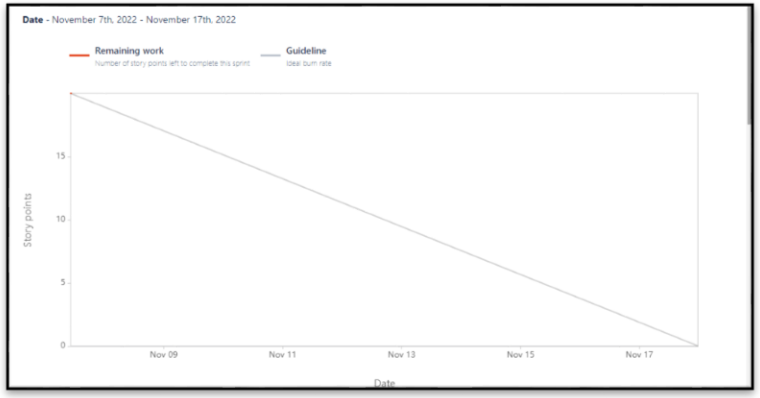
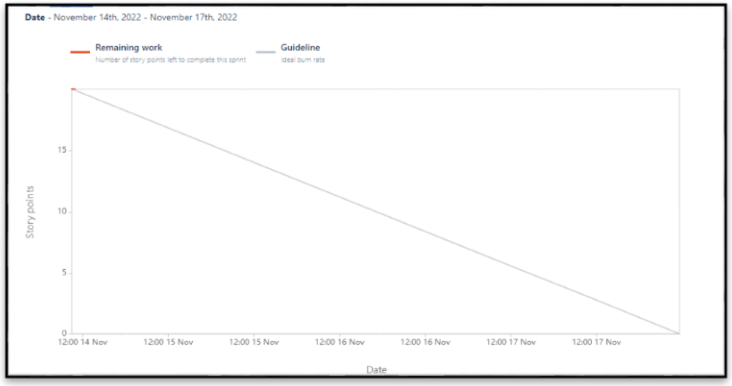
12:00 17 Nov
Date


Date - October 31st, 2022 - November 7th, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Today
Story points
0
5
10
15
20
Nov 01
Nov 02
Nov 03
Nov 04
Nov 05
Nov 06
Nov 07
Date


Date - November 7th, 2022 - November 17th, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
0
5
10
15
Nov 09
Nov 11
Nov 13
Nov 15
Nov 17
Date


Date - November 14th, 2022 - November 17th, 2022
Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
0
5
10
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12:00 14 Nov
12:00 15 Nov
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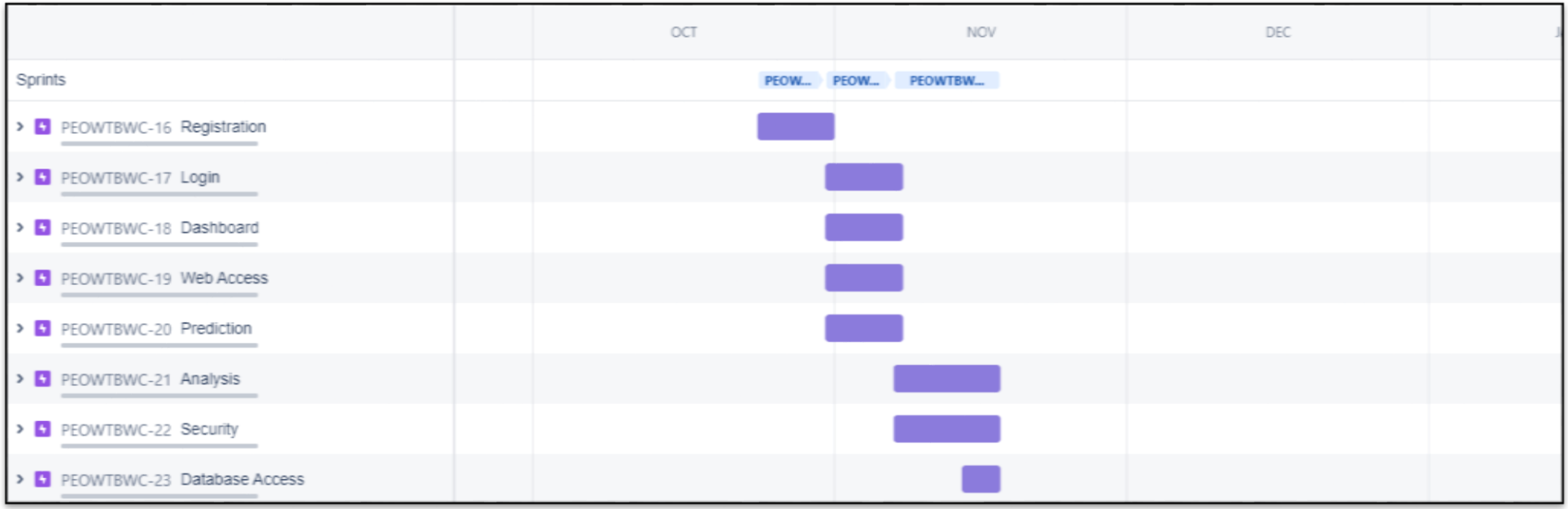
Date


OCT
NOV
DEC
Sprints
PEOW...
PEOW...
PEOWTBW...
PEOWTBWC-16 Registration
PEOWTBWC-17 Login
PEOWTBWC-18 Dashboard
PEOWTBWC-19 Web Access
PEOWTBWC-20 Prediction
PEOWTBWC-21 Analysis
PEOWTBWC-22 Security
PEOWTBWC-23 Database Access