Project Planning Phase

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

Date	02 November 2022
Team ID	PNT2022TMID33247
Project Name	Project – Machine Learning based Vehicle Performance Analyzer
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	USN-1	Download the dataset.	20	High	SABAREES, SANTHOSH T
Sprint-2	Data Pre-processing	USN-2	Import libraries and read the dataset	4	Medium	SANTHOSH T, SANTHOSH S
Sprint-2		USN-3	Handle the missing value and label the encoding	4	Medium	SANTHOSH G, SANTHOSH S
Sprint-2		USN-4	Split the dataset into train and test data	6	Medium	SANTHOSH T, SANTHOSH G
Sprint-3	Model Building	USN-5	Train the datasets to run smoothly and see an incremental improvement in the prediction rate for the available Machine Learning algorithms.	5	Low	SANTHOSH S,SABAREES
Sprint-3		USN-6	Build The Model with The Decision Tree Algorithm	6	Low	SANTHOSH G,SABAREES
Sprint-4	Application Building	USN-7	Build Python Code	5	Low	SANTHOSH S, SANTHOSH T
Sprint-4		USN-8	Output	5	Low	SANTHOSH G,SABAREES

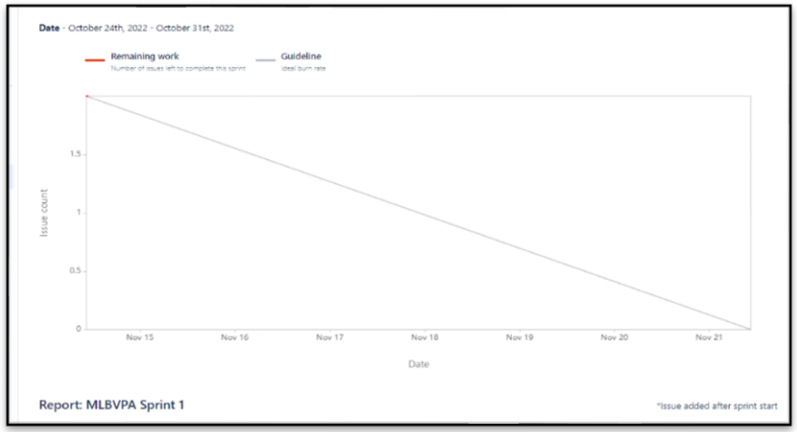
Project Tracker, Velocity & Burndown Chart: (4 Marks)

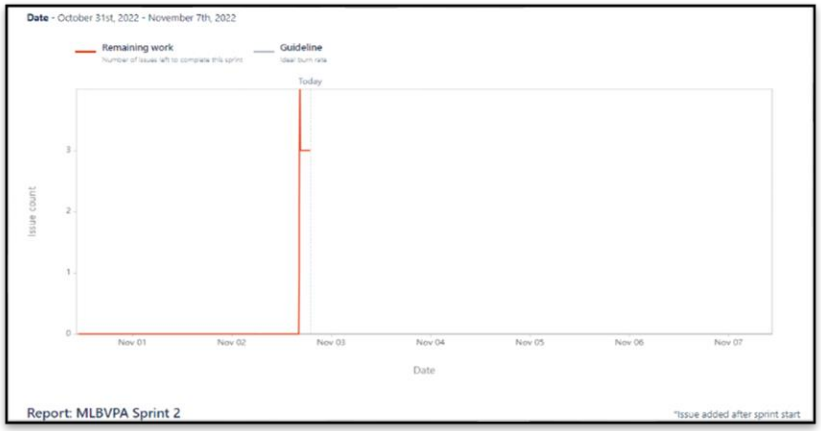
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

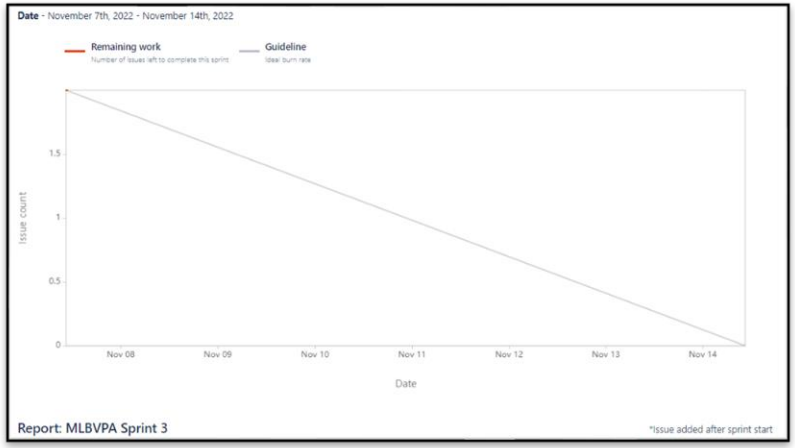
Velocity:

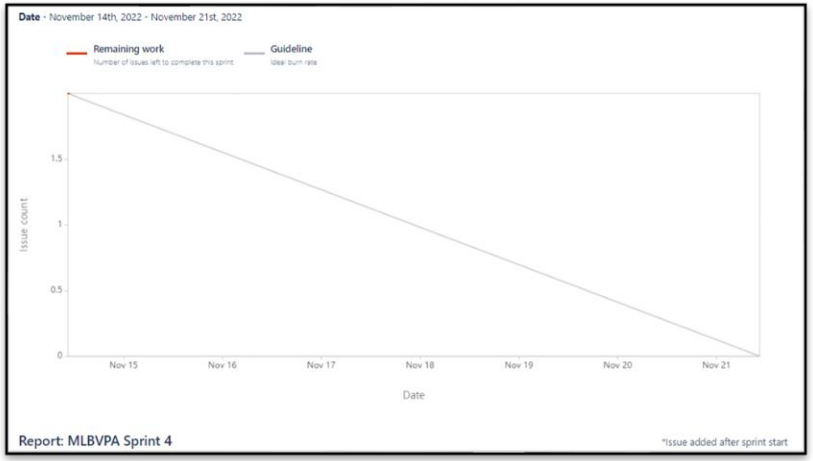
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

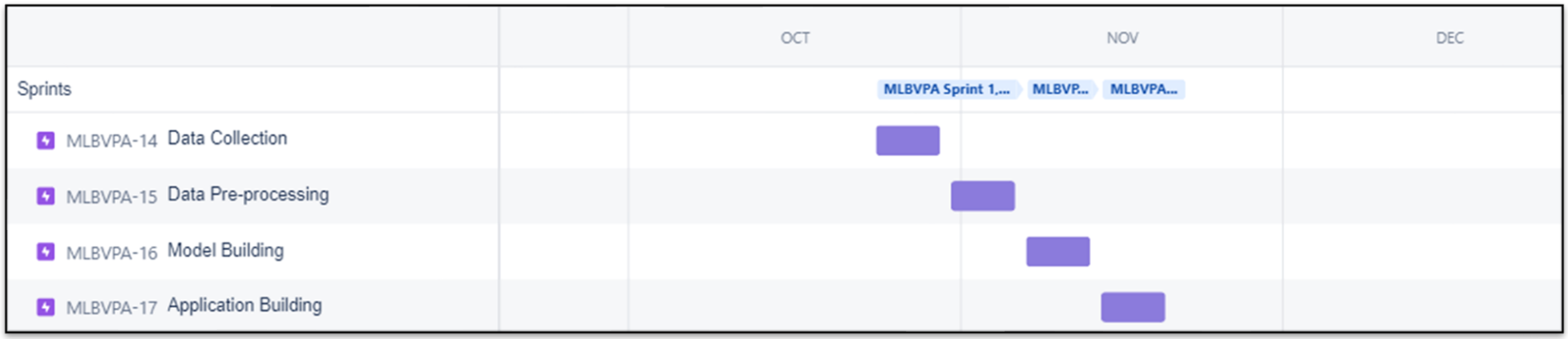
AV= Sprint Duration/Velocity = 20/6 = 3.33 Velocity


Date - October 24th, 2022 - October 31st, 2022
Remaining work
Number of issues left to complete this sprint
Guideline
Ideal burn rate
Issue count
1.5
1
0.5
0
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19
Nov 20
Nov 21
Date
Report: MLBVPA Sprint 1
*Issue added after sprint start


Date - October 31st, 2022 - November 7th, 2022
Remaining work
Number of issues left to complete this sprint
Guideline
Ideal burn rate
Today
Issue count
3
2
1
0
Nov 01
Nov 02
Nov 03
Nov 04
Nov 05
Nov 06
Nov 07
Date
Report: MLBVPA Sprint 2
*Issue added after sprint start


Date - November 7th, 2022 - November 14th, 2022
Remaining work
Number of issues left to complete this sprint
Guideline
Ideal burn rate
Issue count
1.5
1
0.5
0
Nov 08
Nov 09
Nov 10
Nov 11
Nov 12
Nov 13
Nov 14
Date
Report: MLBVPA Sprint 3
*Issue added after sprint start


Date - November 14th, 2022 - November 21st, 2022
Remaining work
Number of issues left to complete this sprint
Guideline
Ideal burn rate
Issue count
1.5
1
0.5
0
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19
Nov 20
Nov 21
Date
Report: MLBVPA Sprint 4
*Issue added after sprint start


OCT
NOV
DEC
Sprints
MLBVPA Sprint 1,...
MLBVP...
MLBVPA...
MLBVPA-14 Data Collection
MLBVPA-15 Data Pre-processing
MLBVPA-16 Model Building
MLBVPA-17 Application Building