Project Planning Phase

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

Date	08 November 2022
Team ID	PNT2022TMID54006
Project Name	EXPLORATORY ANALYSIS OF RAINFALL DATA IN INDIA FOR AGRICULTURE.
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	Rainfall Prediction ML Model (Dataset)	USN-1	Weather Dataset Collection, Data preprocessing, Data Visualization.	5	High	Manicka Priya V, Sujilin S
Sprint-1		USN-2	Train Model using Different machine learning Algorithms	5	High	Tamilmathi subitha S M, Veni Shanmuga Priya K
Sprint-1		USN-3	Test the model and give best	10	High	Manicka Priya V, Sujilin S
Sprint-2	Registration	USN-4	As a user, they can register for the application through Gmail. Password is set up.	5	Medium	Tamilmathi subitha S M, Veni Shanmuga Priya K
Sprint-2	Login	USN-5	As a user, they can log into the application by entering email & password	5	Medium	Manicka Priya V, Sujilin S
Sprint-2		USN-6	Credentials should be used for multiple systems and verified	4	Medium	Tamilmathi subitha S M, Veni Shanmuga Priya K

Sprint-2	Dashboard	USN-7	Attractive dashboard forecasting live weather	6	Low	Manicka Priya V, Sujilin S

Sprint-3	Rainfall Prediction	USN-8	User enter the location, temperature, humidity	10	High	Tamilmathi subitha S M, Veni Shanmuga Priya K
Sprint-3		USN-9	Predict the rainfall and display the result	10	High	Manicka Priya V, Sujilin S
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-4	Testing	USN-10	Test the application	10	High	Tamilmathi subitha S M, Veni Shanmuga Priya K
Sprint-4	Deploy Model	USN-11	Deploy the model in IBM cloud to make user friendly application	10	High	Manicka Priya V, Sujilin S

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	31Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-2	20	6 Days	05 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-3	20	6 Days	10 Nov 2022	15 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	15 Nov 2022	21 Nov 2022	20	21 Nov 2022

Velocity:

Imagine we have a 5-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)

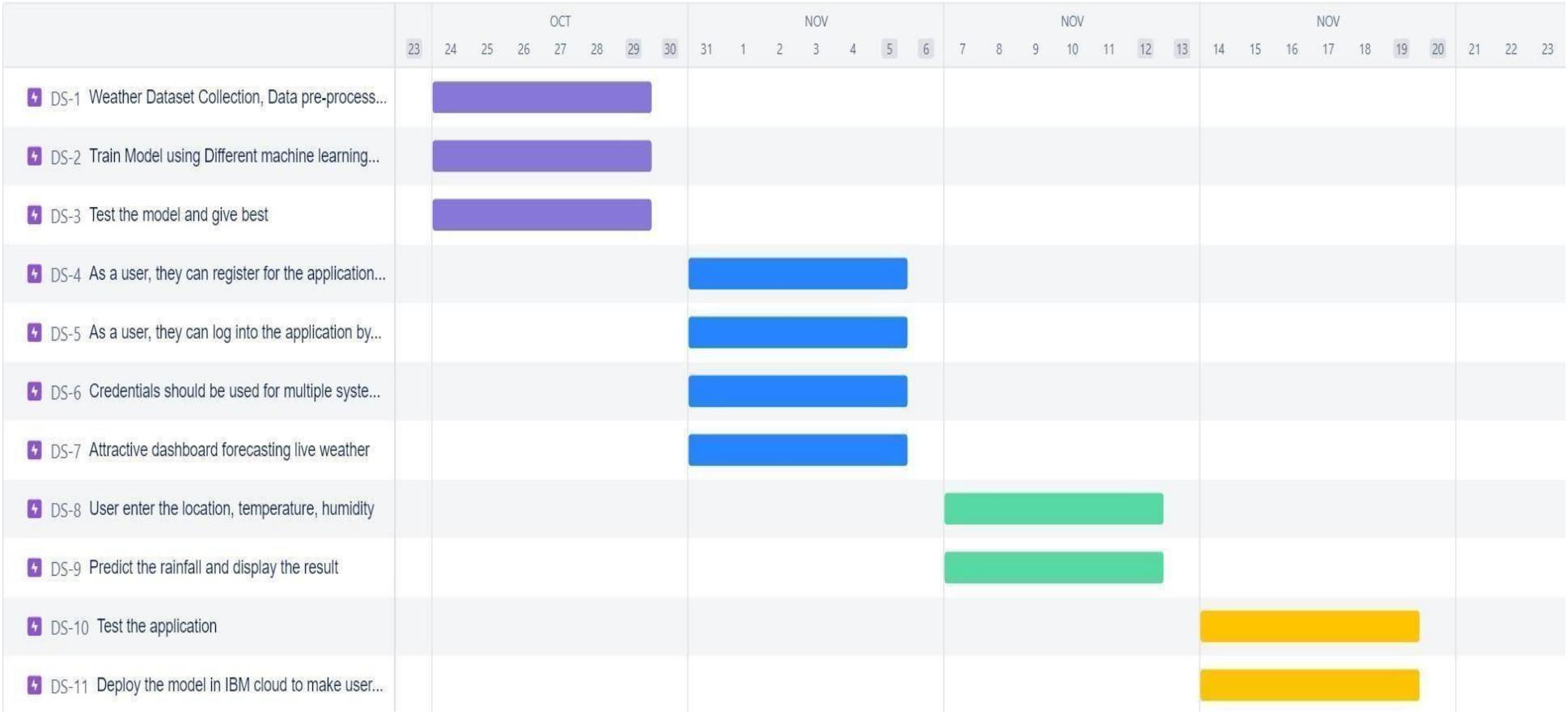
AV= Sprint duration/ Velocity = 20/5 =4

Total Average Velocity=4

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.

Tool : Jira Software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23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
DS-1 Weather Dataset Collection, Data pre-process...
DS-2 Train Model using Different machine learning...
DS-3 Test the model and give best
DS-4 As a user, they can register for the application...
DS-5 As a user, they can log into the application by...
DS-6 Credentials should be used for multiple syste...
DS-7 Attractive dashboard forecasting live weather
DS-8 User enter the location, temperature, humidity
DS-9 Predict the rainfall and display the result
DS-10 Test the application
DS-11 Deploy the model in IBM cloud to make user...