Project design phase – II

Product backlog, sprint schedule and estimation

Date	12-11-2022
Team ID	PNT2022TMID27387
Project Name	Estimate the crop yield using data Analytics

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	Registration	USN-1	As a user, I can register for by entering my user name andrequest.	2	High	Mohamed fayaz,vishnukanth
		USN-3	As a user, I can register for the application throughGmail	2	Medium	Yogesh,Vimal khanna
	Login	USN-4	As a user, I can Call and request or Approach for dataset	4	High	Mohamed fayaz,Yogesh
	Working with the Dataset	USN-5	To work on the given dataset, Understand theDataset.	2	High	Vishnukatnh, Yogesh
		USN-6	Load the dataset to Cloud platform then Build the requiredVisualizations.	10	High	Vimal Khanna,Mohamed fayaz
Sprint-2	Data Visualization Chart	USN-7	Using the Crop production in Indian dataset, create variousgraphs and charts to highlight the insights and visualizations. *Build a Visualization to showcase Average Crop Production by Seasons.	4	Medium	Yogesh,Vishnukanth
			*Showcase the Yearly usage of Area in Crop	4	Medium	Vimal Khanna,Mohamed fayaz

			Production.			

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			Build a visualization to show case top 10 States in Crop Yield Production by Area.	4	Medium	Vimal Khanna, Yogesh
			Build the required Visualization to showcase the Crop Production by State.	4	Medium	Yogesh ,vishnukanth
			Build Visual analytics to represent the Sates with SeasonalCrop Production using a Text representation.	4	Medium	Mohamed fayaz,vishnukath
Sprint-3	Creating The dashboard	USN-8	Create the Dashboard by using the createdvisualizations.	20	High	Vimal Khanna, Mohamed fayaz
Sprint-4	Export The Analytics	USN-9	Export the created Dashboard	20	High	Yogesh,vishnukanth

Project Tracker, Velocity & Burn down 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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	14 Nov 2022	20	19 Nov 2022

Velocity:

We have a 24-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 = 24 / 20 = 1.2

Burn down 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.