Project Planning Phase

Date	27 October 2022
Team ID	PNT2022TMID20029
Project Name	Estimate the crop yield using Data Analytics
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	Registration	USN-1	As a user, I can register for My Web Page by entering my email, password, and confirming my password.	4	High	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the Web page.	1	Medium	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-1	Login	USN-3	As a user, I can log into the My Web Page by entering email & password	2	High	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-2	IBM Cognos Analysis Registration	USN-4	AS a user ,Click on Registration Link by entering my email and Password in IBM Registration page.	3	Low	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-2		USN-5	In Below IBM Registration page , I have created a Jupyter Notebook Button.	1	Low	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-2	Uploading Dataset	USN-6	After Completed the Registration Process, You will Upload your Dataset in Cognos Analysis.	2	High	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-2	Data Exploration	USN-7	Explore the Dataset which is uploaded in the IBM Cognos Analysis.	1	High	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V

Sprint-3	Visualization Chart	USN-8	Creating the Data Visualization Chart.	4	Medium	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-3	Dashboard	USN-9	In IBM Cognos Registration Page , You have to click Jupyter Notebook Button.	3	Low	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-4	Dashboard Visualization Chart	USN-10	Creating a Dashboard By using Python code in Jupyter Notebook	3	High	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-4	Export the Analytics	USN-11	Export the Dashboard and Submit on Github.	2	Medium	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V
Sprint-4	Report	USN-12	Create the Project Report and submit.	2	High	Dharun V S Siva Prakash M Kavish Golden P Siva Subramanian V

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	7	6 Days	24 Oct 2022	29 Oct 2022	7	01 Nov 2022
Sprint-2	7	6 Days	31 Oct 2022	05 Nov 2022	7	05 Nov 2022
Sprint-3	7	6 Days	07 Nov 2022	12 Nov 2022	7	12 Nov 2022
Sprint-4	7	6 Days	14 Nov 2022	19 Nov 2022	7	21 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)

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

- Sprint 1 AV = 7/6 = 1.16
- Sprint 2 AV = 7/6 = 1.16
- Sprint 3 AV = 7/6 = 1.16
- Sprint 4 AV = 7/6 = 1.16