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

Date	18 October 2022
Team ID	PNT2022TMID10910
Project Name	Project - Exploratory Analysis of Rain Fall 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Mahesh kumaar , Suryaprakash
Sprint-1	confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Mahesh kumaar , Suryaprakash
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	1	Low	Mahesh kumaar , Suryaprakash
Sprint-2	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Mahesh kumaar , Suryaprakash
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	3	High	Mahesh kumaar , Suryaprakash
Sprint-3	Dashboard	USN-6	As a user, I can view the details about the system and can navigate through the pages	3	High	Priya Vishnu, Vijaykumar
Sprint-3	Dashboard	USN-7	Create the dashboard of the web page	3	High	Priya Vishnu, Vijaykumar
Sprint-4	Rainfall prediction	USN-8	To enter the climatic factor and location	3	High	Priya Vishnu,

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Vijaykumar
Sprint-4	Algorithm	USN-9	Execution of ML Algorithm	3	High	Priya Vishnu, Vijaykumar
Sprint-4	Visualization	USN-10	The reports are generated as predicted plot, graphs and images	3	High	Priya Vishnu, Vijaykumar
Sprint-4	guidelines	USN-11	By the report itself generates the instruction guideline for crop yielding	3	High	Priya Vishnu, Vijaykumar
Sprint-3	Updata Data	USN-12	Change the current updated data set	2	High	Priya Vishnu, Vijaykumar
Spirnt-3	Code function	USN-13	This web sit is available on all devices and screen sizes, user friendly webpage	2	High	Priya Vishnu, Vijaykumar

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	9	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	3	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	12	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 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts