

ProjectPlanningPhase
ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	17NOVEMBER2022
TeamID	PNT2022TMID34062
ProjectName	Project – EXPLORATORY ANALYSIS OFRAINFALL DATA IN INDIA FORAGRICULTURE.
MaximumMarks	8Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreate productbacklogandsprintschedule

Sprint	FunctionalR equirement (Epic)	User StoryNum ber	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-1	Rainfall PredictionMLModel (Dataset)	USN-1	Weather Dataset Collection, Data pre- processing,DataVisualization.	5	High	Subaveni. S. L
Sprint-1		USN-2	Train Model using Different machine learningAlgorithms	5	High	Subaveni. S. L
Sprint-1		USN-3	Test themodelandgivebest	10	High	Subaveni. S. L

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	Total StoryPoints	Duration	Sprint Start Date	Sprint End Date(Planned)	StoryPoints Completed (as onPlannedEndDate)	Sprint Release Date(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022

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)

$$AV = \text{Sprint duration} / \text{Velocity} = 20 / 5$$

$$= 4 \text{ Total Average Velocity} = 4$$

BurndownChart:

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, burndown charts can be applied to any project containing measurable progress over time.

Tool: Jira Software

