

ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	31October22
TeamID	PNT2022TMID25280
ProjectName	Project - Analytics for Hospitals' Health-CareData
MaximumMarks	8Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

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	External API	USN-1	Download the Dataset using Kaggle API (Upload referenced dataset in kaggle)	2	High	Priyadharshini K, Koteeswaran V
Sprint-1	Database Connectivity	USN-2	Upload data and perform basic sql operation on IBM DB2 dataset then connect with IBM Cognos Analytics Platform	2	High	Priyadharshini K, Srikanth V
Sprint-1	Upload Data, Prepare Data Module	USN-3	Upload the datasets, Prepare the data modules and clean	2	High	Priyadharshini K, Vignesh E
Sprint-1	Exploratory Data Analysis	USN-4	Identify the trend in data with data exploration	2	High	Priyadharshini K, Srikanth V, Koteeswaran V
Sprint-2	Present Data-Dashboard	USN-5	Create Interactive Dashboard showing various predictions	2	High	Priyadharshini K, Vignesh E, Srikanth V
Sprint-3	Generate Report	USN-6	Generate various Interactive Reports	2	High	Priyadharshini K, Srikanth V, Vignesh E
Sprint-3	Generate Story	USN-7	Create sophisticated multi-page Stories	2	High	Priyadharshini K, Vignesh E

Sprint	FunctionalRequirement(Epic)	UserStoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-4	Embed IBM CognosAnalytics PlatformDashboard(Report,Story)to create aWeb Application	USN-8	Createsophisticatedmutlipagestories	2	High	Priyadharshini K, Koteeswaran V.SrikanthV

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	Total StoryPoints	Duration	SprintStartDate	SprintEndDate(Planned)	Story PointsCompleted (ason PlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	7Days	24Oct2022	30Oct2022	20	30Oct2022
Sprint-2	20	7Days	31Oct2022	06Nov2022	20	06Nov2022
Sprint-3	20	7Days	07Nov 2022	13Nov2022	20	13Nov2022
Sprint-4	20	7Days	14Nov 2022	19Nov2022	20	19Nov2022

Velocity

We have a 7-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)

$$AV = \text{sprint duration} / \text{velocity} = 20 / 7 = 2.85$$

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

