

ProjectPlanningPhase

ProjectPlanningTemplate (ProductBacklog,Sprint Planning,Stories,Storypoints)

Date	22October2022
TeamID	PNT2022TMID19446
ProjectName	Project - Data Analytics for DHL LogisticsFacilities
MaximumMarks	8Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreate productbacklogandsprintschedule

Sprint	FunctionalRequire ment(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	TeamMember s
Sprint-1	Login	USN-1	As a user, I can register & log into theapplicationbyenteringemail&pass word	10	High	Vikram
Sprint-1	Verify	USN-2	As a user, I can verify the email with given otpandcheckforcorrectsubscriptionaccess	10	High	Sumesh
Sprint-2	CollectData	USN-3	As an admin I can define questions & goalsthencollectdata&providethedataset inIBMCognosanalytics	10	High	Vimal
Sprint-2	Prepare&Explore	USN-4	AsanadminIcanprepare,explore &presentthedataset inIBMCognosanalytics	10	High	Vignesh
Sprint-3	Analyze	USN-5	Asan admin,Iwillanalyzethegivendatas et (Data pre-processing)	10	High	Vimal
Sprint-3	Predict	USN-6	Asan admin, Iwillpredictthelengthofstay(Predicti on)	10	High	Sumesh
Sprint-4	Visualization	USN-7	Asauser, Icanselectthe visualizationtypelikeReport, Dashboard and story(Creating visualization)	7	Medium	Vikram
Sprint-4	Dashboard	USN-8	Asauser, Ican uploadthedatasetstothedashboardan dview visualizations	8	High	Vignesh

Sprint-4	Communicate	USN-9	Asan admin,I can communicate to the client for user queries and visualize the best dashboards in any platform as a user expected	5	Low	Vikram
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ProjectTracker,Velocity &Burndown Chart: (4 Marks)

Sprint	Total StoryPoints	Duration	SprintStartDate	SprintEndDate(Planned)	StoryPoints Completed (as onPlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	05Nov2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	12Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	19Nov2022

Velocity:

we have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iterationunit(storypointsperday)

$$AV = \text{Sprint duration} / \text{Velocity} = 20/6 = 3.33$$

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

