ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	22October2022
TeamID	PNT2022TMID08320
Project Name	SmartFarmer – IoT Enabled Smart FarmingApplication
MaximumMarks	8 Marks

ProductBacklog,Sprint Schedule, andEstimation(4 Marks)

Usethebelowtemplatetocreateproductbacklogandsprintschedule

Sprint	FunctionalRequirement (Epic)	User StoryNumber	User Story/ Task	StoryPoints	Priority	TeamMembers
Sprint-1	SimulationCreation	USN-1	Connectsensors,Arduinoandesp8266	2	High	Balaji S Manikandan R
Sprint-1	Software	USN-2	DevelopanapplicationwithMIT Appinventor (Loginpagewithfirebase)	2	High	Laxmi Narayanan M Aahin K
Sprint-2	Software andHardware	USN-3	ConnectthehardwarewithIBMCloudanddAPIIntegration	2	Medium	Aahin k Balaji S
Sprint-2	Software	USN-4	Applicationdevelopmentforproject	2	High	Laxmi Narayanan M, Balaji S, ManiKandan R, Aahin K
Sprint-3	Software	USN-5	EstablishingNode-Redconnection	2	Medium	Laxmi Naryanan M, Aahin K
Sprint-3	Software	USN-6	Connecting application with Node-Redandfurtherapplicationdevelopment	2	High	Laxmi Narayanan M, Balaji S, ManiKandan R, Aahin K
Sprint-4	Testing	USN-7	Testing developed application andworkingmodelof hardware	2	High	Laxmi Narayanan M, Balaji S, ManiKandan R, Aahin K

Project Tracker, Velocity & Burndown Chart: (4

Marks)StoryPoints–8 points

Sprint	Total StoryPoints	Duration	Sprint StartDate	Sprint End Date(Planned)	Story PointsCompleted (ason Planned EndDate)	Sprint Release Date(Actual)
Sprint-1	16	5Days	25 Oct2022	29Oct2022		30 Oct2022
Sprint-2	16	8Days	31Oct2022	07 Nov2022		08Nov2022
Sprint-3	16	6Days	09 Nov2022	13 Nov2022		14Nov2022
Sprint-4	8	6Days	15 Nov2022	17 Nov2022		17Nov2022–18Nov 2022

Velocity:
Imaginewehavea10-daysprintduration,andthevelocityoftheteamis20(pointspersprint).Let'scalculatetheteam'saveragevelocity(AV) per iteration unit (storypointsper day)

Total Sprint Points =
56TotalSprint =4

AverageVelocity=56/4=14

BurndownChart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software developmentmethodologies suchas Scrum.However,burn down chartscanbe applied toanyprojectcontainingmeasurable progressovertime.