ProjectPlanningPhase
ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

Date	18 November2022
TeamID	**PNT2022TMID38996**
ProjectName	Project–IOT-BasedSafetyGadgetforChildSafetyMonitoringandNotification
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreateaproductbacklogandsprintschedule

Sprint	FunctionalRequirement(Epic)	User StoryNumber	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-1	Registration	USN-1	Asauser,Icanregisterfortheapplicationby enteringmyemail,andpassword,andconfirmingmypassword.	4	High	GOKULAKKANNAN
Sprint-1	ConfirmationEmail	USN-2	Asauser,I willreceiveaconfirmationemailonceIhaveregisteredfortheapplication	4	High	PRIYADHARSHINI
Sprint-1	Authentication	USN-3	Asauser,I canregisterfortheapplicationthroughGmailandmobileapp.	4	Medium	VELMURUGAN
Sprint-1	Login	USN-4	Asauser,Icanlog intotheapplicationbyentering email&password	4	High	GOKULAKKANNAN
Sprint-1	Dashboard	USN-5	Asauser,IneedtobeabletoviewthefunctionsthatIcanperform	4	High	LAVANYA
Sprint-2	Notification	USN-1	Asauser,Ishouldbeabletonotifymyparentandguardianinemergencysituations	10	High	PRIYADHARSHINI
Sprint-2	Storedata	USN-2	Asauser,I needtocontinuouslystoremylocationdataintothe database.	10	Medium	GOKULAKKANNAN
Sprint-3	Communication	USN-3,1	Ishouldbeabletocommunicatewithmyparents	6	Low	LAVANYA

Sprint	Functional Requirement(Epic)	UserStory Number	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-3	IoTDevice– Watsoncommunication	USN-1,4	ThedatafromIoTdeviceshouldreachIBMCloud	7	Medium	GOKULAKKANNAN, PRIYADHARHINI
Sprint-3	Node RED- CloudantDBcommunication	USN-5,2	ThedatastoredinIBMCloudshouldbeproperlyintegratedwithCloudantDB	7	High	LAVANYA, VELMURUGAN
Sprint-4	User – WebUIinterface	USN-1,4	TheWebUI shouldgetinputsfromtheuser	6	High	VELMURUGAN, PRIYADHARSHINI
Sprint-4	Geofencing	USN-2,3,5	Thegeofencingofthechildshouldbedonebasedonthegeographical coordinates	7	High	GOKULAKKANNAN, LAVANYA

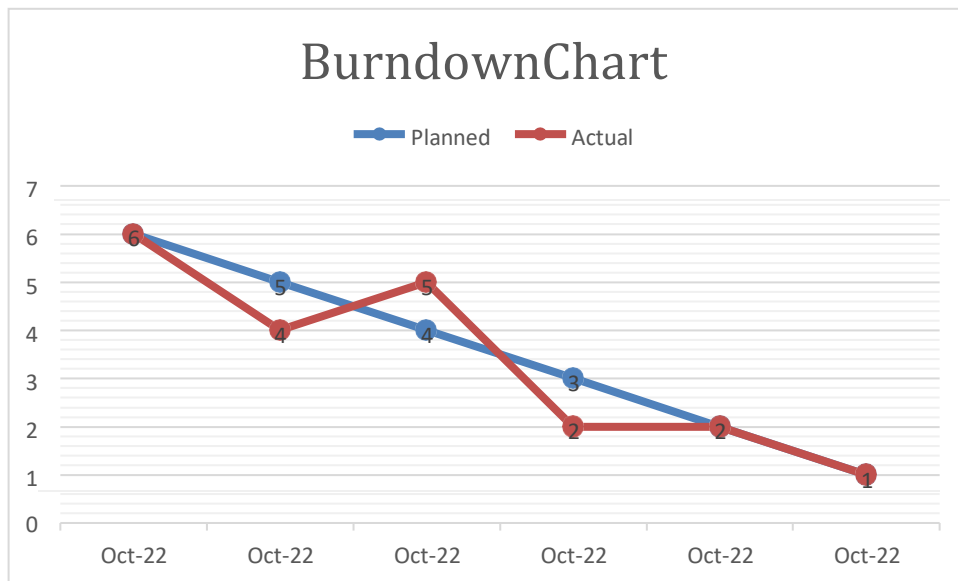**ProjectTracker, Velocity&Burndown Chart:(4Marks)**

Sprint	Total StoryPoints	Duration	Sprint StartDate	Sprint End Date(Planned)	Story PointsCompleted (as onPlannedEndDate)	Sprint Release Date(Actual)
Sprint-1	20	6 Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6 Days	31Oct2022	05Nov2022	20	05Nov2022
Sprint-3	20	6 Days	07Nov2022	12Nov2022	20	12Nov2022
Sprint-4	20	6 Days	14Nov2022	19Nov2022	20	19Nov2022

Velocity:

Imaginewehavea 10-daysprintduration,and thevelocityoftheteamis20(pointspersprint).Let'scalculatetheteam'saveragevelocity(AV)periterationunit(storypointsperday)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

BurndownChart:

BurndownChart

B3			f_x	24-10-2022

	A	B	C	D	E	F
1	**Time**		**Tasks**			
2	**Day**	**Dates**	**Planned**	**Actual**		
3	Mon	Oct-22	6	6		
4	Tue	Oct-22	5	4		
5	Wed	Oct-22	4	5		
6	Thurs	Oct-22	3	2		
7	Friday	Oct-22	2	2		
8	Saturday	Oct-22	1	1		
9						
10						
11						