ProjectPlanningPhase

TITLE :IoTbasedsmartcropprotectionsystemforagricultureDOMAI

NNAME :InternetOfThings

TEAMLEADER : k.Subashree

TEAMMEARS : p.sobiya

: M.sumithra

: M.Thilothama

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreateproductbacklogandsprintschedule

Sprint	FunctionalRequirement (Epic)	User StoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1		US-1	CreatetheIBMCloudserviceswhicharebeingused in thisproject.	6	High	K.subashree P.Sobiya M.Sumithra M.Thilothama

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Sprint-1		US-2	ConfiguretheIBMCloudserviceswhichare being used in completing thisproject.	4	Medium	K Subashree P.Sobiya

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						Kenimer JoffinV RanaPra thap

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Sprint	FunctionalRequirement(Epic)	User StoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-2		US-3	IBM Watson IoT platform acts as themediator to connect the web applicationtoIoTdevices,socreatetheIBMWatsonIoTplatform.	5	Medium	AkashSelvinS DerishKenimer JoffinV RanaPrathap
Sprint-2		US-4	InordertoconnecttheIoTdevicetotheIBM cloud, create a device in the IBMWatson IoT platform and get the devicecredentials.	5	High	AkashSelvinS DerishKenimer JoffinV RanaPrathap
Sprint-3		US-1	Configure the connection security andcreate API keys that are used in theNode-REDserviceforaccessingtheIBMIoTPlatform.	10	High	AkashSelvinS DerishKenimer JoffinV RanaPrathap
Sprint-3		US-2	CreateaNode-REDservice.	10	High	AkashSelvinS DerishKenimer JoffinV RanaPrathap


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Sprint-3		US-1	Develop a system which will sensor theanimalsentryintothefieldsandintimatethefarmers.	7	High	AkashSelvinS DerishKenimer JoffinV RanaPrathap
Sprint-3		US-2	After developing python code,commands are received just print thestatementswhichrepresentthecontrolofthe devices.	5	Medium	AkashSelvinS DerishKenimer JoffinV RanaPrathap
Sprint-4		US-3	PublishDatatoTheIBMCloud	8	High	AkashSelvinS DerishKenimer JoffinV RanaPrathap
Sprint-4		US-1	CreateWebUIinNode-Red	10	High	AkashSelvinS DerishKenimer JoffinV RanaPrathap
Sprint-4		US-2	ConfiguretheNode-REDflowtoreceive	10	High	AkashSelvinS DerishKenimerJoffinV

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Sprint	FunctionalRequirement(Epic)	User StoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
			datafromtheIBMIoTplatformandalsouse Cloudant DB nodes to store thereceivedsensordataintheCloudantDB			AkashSelvinS DerishKenimer JoffinV RanaPrathap

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	Total StoryPoints	Duration	SprintStartDate	SprintEndDate(Planned)	Story Points Completed(asonPlannedEndDate)	Sprint Release Date(Actual)
Sprint-1	20	6Days	25Oct2022	30Oct2022	20	30Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	05Nov2022
Sprint-3	20	6Days	09Nov2022	14Nov2022	20	14Nov2022
Sprint-4	20	6Days	16Nov2022	21Nov2022	20	21Nov2022

Velocity:

Imaginewehavea10-daysprintduration,andthevelocityoftheteamis20(pointspersprint).Let’scalculatetheteam’s averagevelocity(AV)periterationunit(storypointsperday)

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

BurndownChart: Aburndownchartisagraphicalrepresentationofworklefttodoversustime.Itisoftenusedinagilesoftwaredevelopment methodologies such as Scrum.However, burndown charts can be applied to any project containing measurableprogressovertime.

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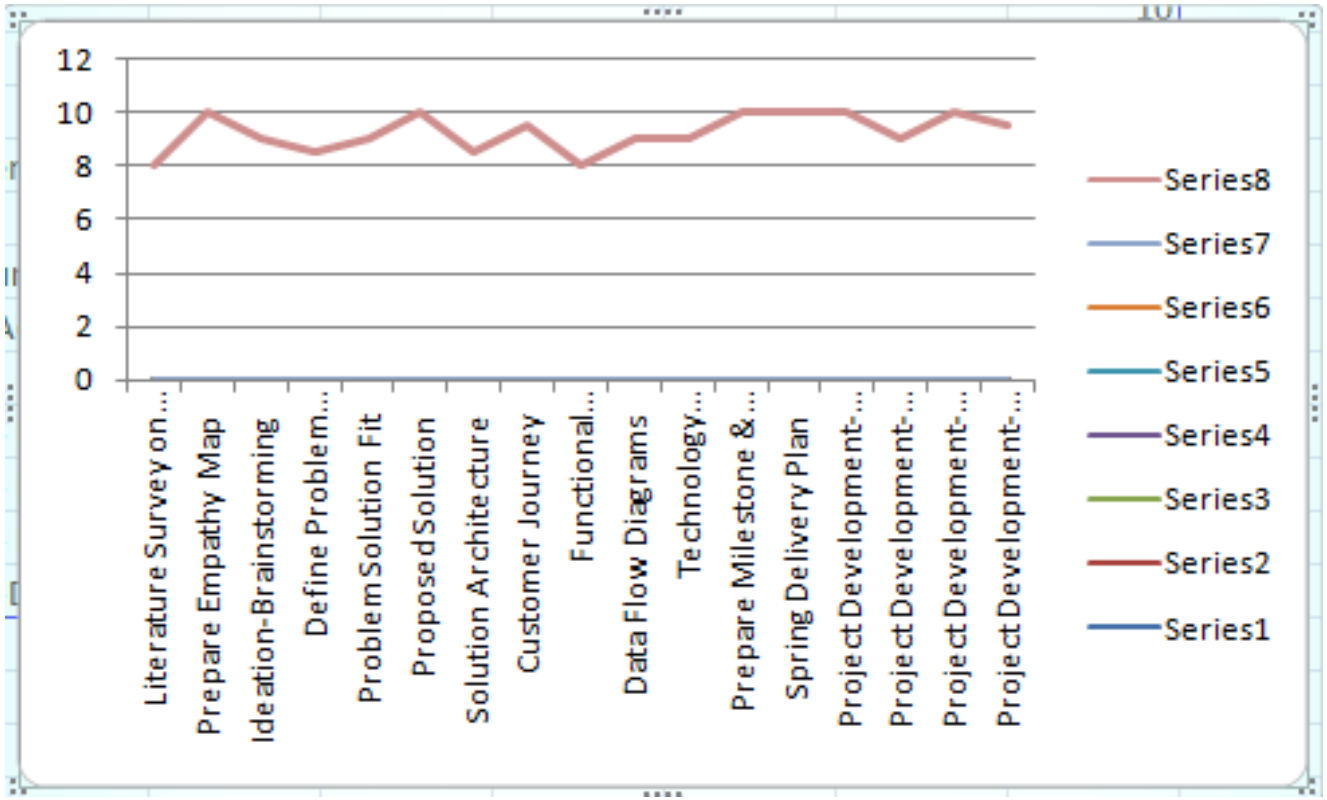

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