ProjectPlanningPhase

ProjectPlanningTemplate (ProductBacklog,Sprint Planning,Stories,Storypoints)

TeamID	PNT2022TMID31966
ProjectName	Emergingmethodsforearly detectionofforestfire
MaximumMarks	8Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Usethebelowtemplatetocreate productbacklogandsprintschedule

Sprint	FunctionalRequirement(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	Datacollectionandp repocessing	USN-1	Collectingthedorestfiredataset	2	High	Deepan Pranesh kumar
Sprint-1		USN-2	Labellingthedatasetaccordingtoclass	1	High	Manojkumar Ruthresan
Sprint-1		USN-3	Someoftheforestfireis labeledaccordingly	2	Low	Ruthresan
Sprint-1		USN-4	Datasetwillcontainforestfireprediction	Qsz1z	Medium	Pranesh kumar
Sprint-1	Preprocessing	USN-5	Topreparеraw datain aformatthatthenetwork canaccept	1	High	Manojkumar Deepan Ruthresan
Sprint-1		USN-6	Scalingisusedformakingdatapointsge neralized	1	Low	Deepan
Sprint-1		USN-7	Shear range image will be disorted along anaxis,mostlytocreateorrectifytheperceptiona ngle	3	High	Pranesh kumar Manojkumar
Sprint-1		USN-8	Zoomaugmentationwillrandomlyzoomtheim ageand adds newpixelsfortheimage	2	Medium	Ruthresan Pranesh kumar
Sprint-1		USN-9	Flippingtheentirepixellsofanimage	1	Low	Manojkumar
Sprint-2	Training,Testingand Creating amodel	USN-10	Start initialthemodel	2	Medium	Deepan Ruthresan
Sprint-2		USN-11	Addingdifferencelayersofcnn	1	High	Manojkumar Deepan Ruthresan Pranesh kumar

Sprint	FunctionalRequirement(Epic)	UserStory Number	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-2		USN-12	Creatingcompilingwithadamoptimizer	4	Medium	Pranesh kumar Ruthresan
Sprint-2		USN-13	Creatingmetrics	3	Low	Manojkumar
Sprint-2		USN-14	Trainthedatawith20 epoch	1	Medium	Deepan Manojkumar
Sprint-2		USN-15	Testingthemodel	5	High	Pranesh kumar Manojkumar Deepan Ruthresan
Sprint-2		USN-16	Savethemodel	2	Medium	Pranesh kumar Ruthresan
Sprint-2	Flaskandframe workdesign	USN-17	Creatingbackendframeworkwithflask	4	Low	Manojkumar
Sprint-3		USN-18	Importingthemodelfile	3	High	Deepan Manojkumar
Sprint-3		USN-19	Serverstartup,requestandserviceinaloop	1	Medium	Ruthresan Pranesh kumar
Sprint-3	Frontend webapplicationdevelopement	USN-20	Creatingahtmltemplatewithcssfile	2	Low	Pranesh kumar
Sprint-3		USN-21	Usercanimportforestfirein webpage	5	Medium	Manojkumar
Sprint-4		USN-22	Predictingwhereisfireoccurredforthegiveninput	4	High	Deepan Manojkumar
Sprint-4		USN-23	Usercanclassify asforestfiredornot	3	Low	Pranesh kumar
Sprint-4		USN-24	Alerttheadminaboutthepredectionwiththegmail	2	Medium	Ruthresan Manojkumar

ProjectTracker,Velocity &Burndown Chart:(4 Marks)

Sprint	Total StoryPoints	Duration	SprintStartDate	SprintEndDate(Planned)	Story PointsCompleted (as onPlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	3Nov2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	10Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	17Nov2022

Velocity:

Imaginewehavea10-daysprint duration,andthevelocityoftheteam is20(pointspersprint). Let'scalculatetheteam'saveragevelocity(AV) periterationunit(storypointsperday)

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