ProjectPlanningPhase
ProjectPlanningTemplate(Product Backlog,SprintPlanning,Stories,Storypoints)

Date	24.09.2022
TeamID	PNT2022TMID41917
ProjectName	Smart SolutionforRailways
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Sprint	FunctionalRequirement(Epic)	User StoryNumber	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	Registration	USN-1	Asa user,Icanregisterfortheapplication byenteringmyemail,password,andconfirming mypassword.	10	High	Dinesh kumar.M Sabarinathan.R
Sprint-1		USN-2	Asauser, Iwillreceiveconfirmationemailoncel have registered for the application and canlogintothe application	10	High	Prabhakaran.P Mythili.S
Sprint-2	Ticket Reservationandtracking	USN-3	Asa userIcanentermydetailsand booktickets.	15	High	Alaguraja.R Dinesh kumar.M
Sprint-2		USN-4	Asa user,Icantracktheexactlocation ofthetrain	5	Medium	Sabarinathan.R Prabhakaran.P
Sprint-3	Connection withserviceprovider	USN-5	AsaUser,Icanutilizetheserviceslikepaym entgatewaysbyreceivingOTPs	10	High	Mythili.S Alaguraja.R
Sprint-3	QueueClearance	USN-6	Asauser,Icanusetheautomatic waitinglistclearance	10	Medium	Dinesh kumar.M Sabarinathan.R
Sprint-4	QRcodegeneration	USN-7	Asa user,Iamableto getaQRcodeforticketverification	20	High	Mythili.S Alaguraja.R Dinesh kumar.M Sabarinathan.R Prabhakaran.P

ProjectTracker,Velocity&BurndownChart:(4Marks)

Sprint	TotalStory Points	Duration	SprintStartDate	Sprint End Date(Planned)	Story PointsCompleted(as on PlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022		
Sprint-2	20	6Days	31Oct2022	05Nov2022		
Sprint-3	20	6Days	07Nov2022	12Nov2022		
Sprint-4	20	6Days	14Nov2022	19Nov2022		

Velocity:
We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). The team's average velocity (AV) per iteration unit (story pointsperday)

$$AV = \frac{sprintduration}{velocity} = \frac{20}{6} = 3.33$$

BurndownChart:

Burndown Chart