Project Planning Phase

Project Planning template (product backlog, sprint planning, stories, story points)

Date	03-11-2022
Team ID	PNT2022TMID16776
Project Name	Smart Solutions For Railways

Product Backlog, Sprint Schedule and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 1	User Registration	USN – 1	Registration through app, Setting up User Id and Password	2	High	Priyadharshan V,Sakthisugesh BR,Salini C,Preetha R
Sprint –1	User Login	USN – 2	Login using User Id and Password	2	High	Priyadharshan V,Sakthisugesh BR,Salini C,Preetha R

Sprint – 2	App Permission	USN - 3	Need to fill some details before accessing the application and some Id for confirmation details	2	Medium	Priyadharshan V,Sakthisugesh C,Preetha R
Sprint – 3	Booking tickets	USN – 4	User can select the best seat available for their travel and timing	2	High	Priyadharshan V,Sakthisuges h BR,Salini C,Preetha R
Sprint – 4	Confirm the tickets	USN – 5	User needs to confirm the Train tickets and proceed for the payment through QR code	3	Medium	Priyadharshan V,Sakthisugesh
Sprint – 4	Feedback	USN – 6	User can also give feedback about the journey and overall experience	1	Low	BR,Salini C,Preetha R

# Project Tracker, Velocity & burndown Chart : (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on planned End Date)	Sprint Release Date (actual)
Sprint – 1	20	5 days	1 Nov 2022	5 Nov 2022	20	1 Nov 2022
Sprint – 2	20	2 days	5 Nov 2022	7 Nov 2022	20	5 Nov 2022
Sprint – 3	20	6 days	7 Nov 2022	12 Nov 2022	20	7 Nov 2022
Sprint – 4	20	6 days	14 Nov 2022	19 Nov 2022	20	14 Nov 2022

Velocity :

 Imagine we have 10-days sprint duration, and the velocity of the team is 20 (points per sprint).
Let'scalculate the team's average velocity (AV) per iteration unit (story points per day)

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

Burndown Chart :
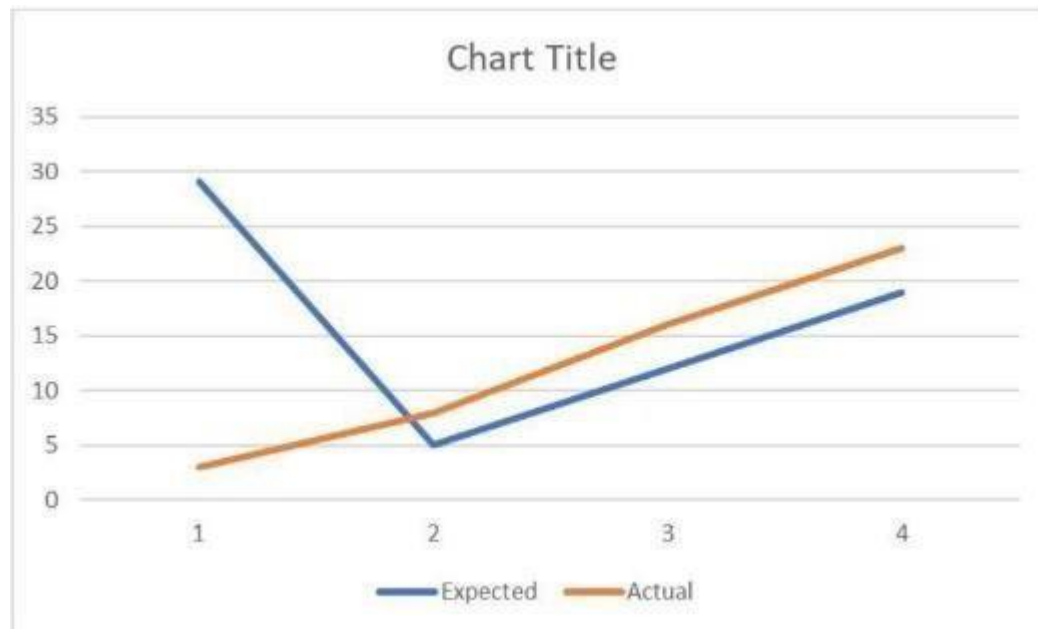
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as scrum. However, burn down charts can be applied to any project containing measurable progress over time.