Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Team ID	PNT2022TMID30722
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	8 Marks

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	Data Collection	USN-1	Collect Dataset	9	High	OVIYA.B, KIRUTHIKA.D, PRITHA.R, SUWETHA.B
Sprint-1		USN-2	Image pre-processing	8	Medium	OVIYA.B, KIRUTHIKA.D, PRITHA.R, SUWETHA.B
Sprint-2	Model Building	USN-3	Import the required libraries, add the necessary layers and compile the model	10	High	OVIYA.B, KIRUTHIKA.D, PRITHA.R, SUWETHA.B
Sprint-2		USN-4	Training the image classification model using CNN	7	Medium	OVIYA.B, KIRUTHIKA.D, PRITHA.R, SUWETHA.B
Sprint-3	Training and Testing	USN-5	Training the model and testing the model's performance	9	High	OVIYA.B, KIRUTHIKA.D, PRITHA.R, SUWETHA.B
Sprint-4	Implementation of the application	USN-6	Scan the food and display the nutrition content in that food	8	Medium	OVIYA.B, KIRUTHIKA.D, PRITHA.R, SUWETHA.B

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	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	04 Nov 2022	5	04 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	11 Nov 2022	7	11 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	18 Nov 2022	5	18 Nov 2022

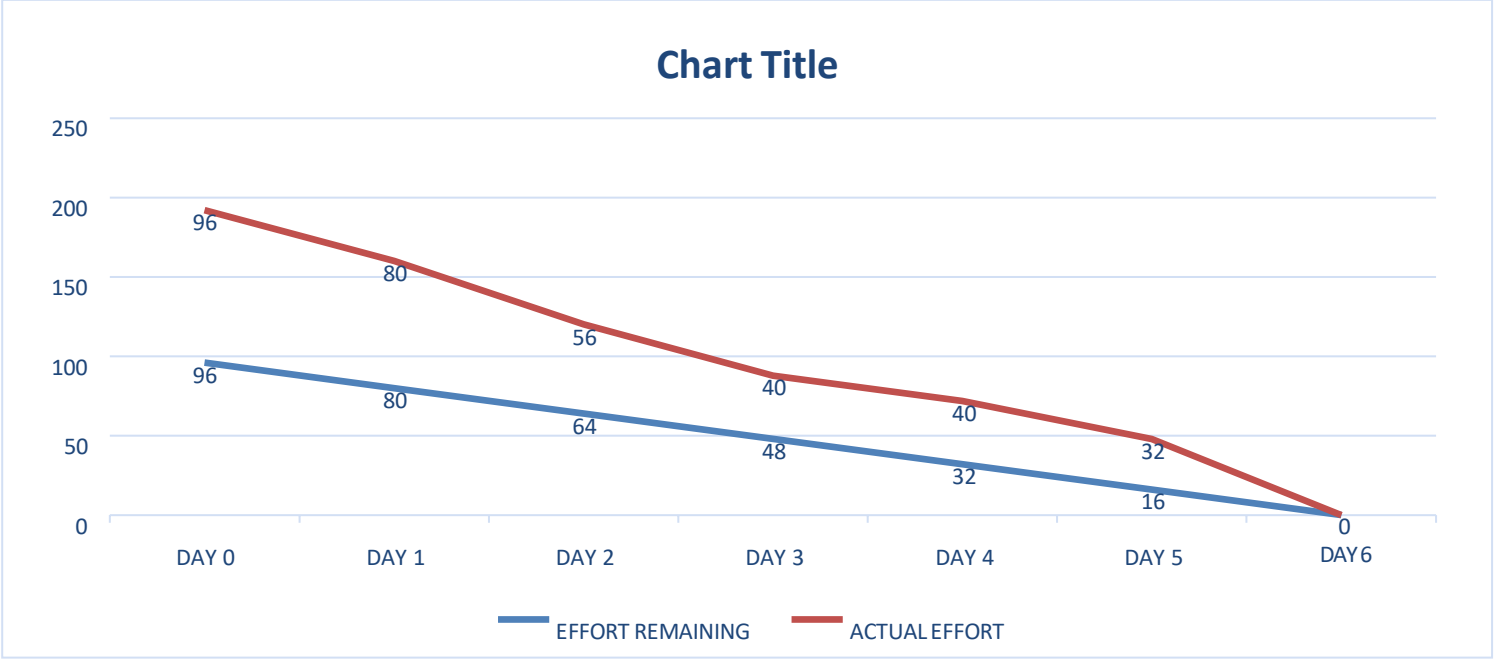
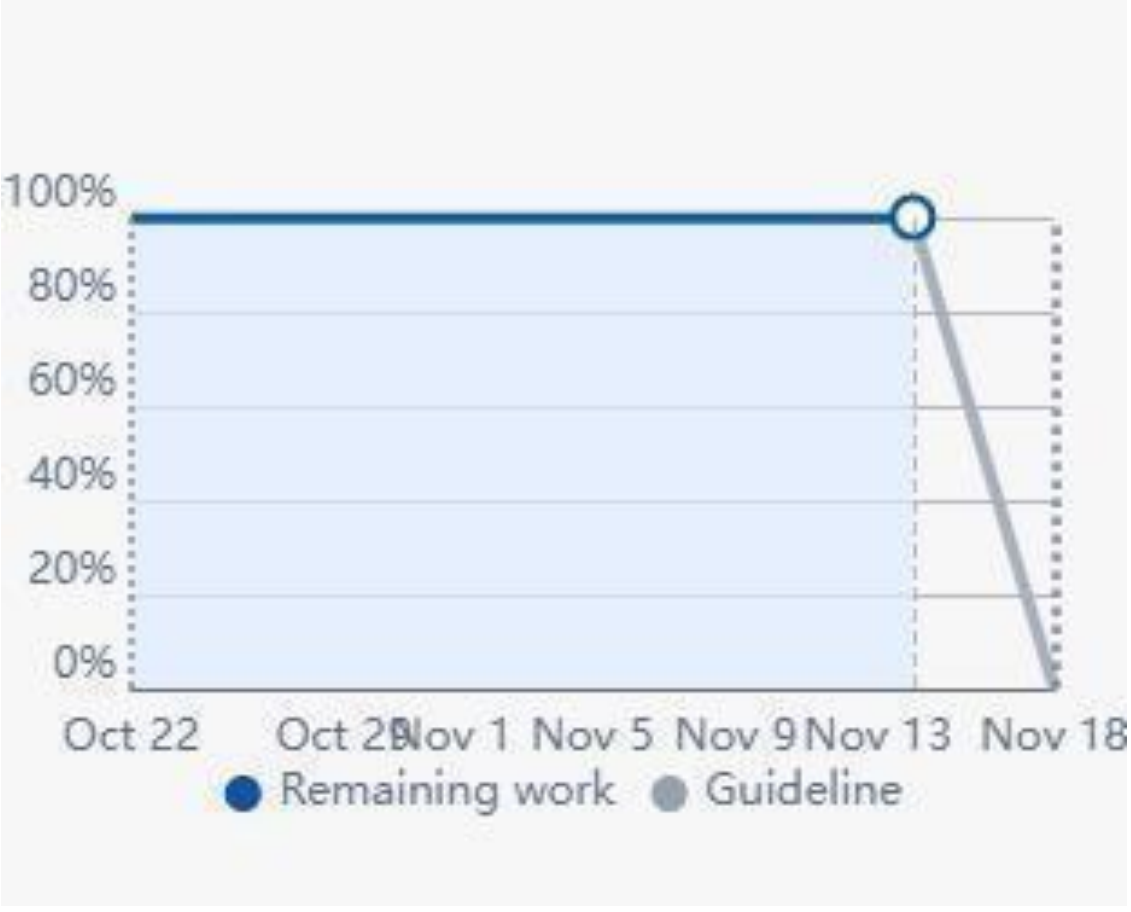
VELOCITY:

$$AV = \frac{sprint\ duration}{velocity}$$

AV = (48+30+42+30)/4

= 37.5

Burndown chart:



SPRINT BURNDOWN CHART: