Project Planning Phase

Date	22 Nov 2023			
Team ID	Team - 592035			
Project name	Alzheimer's Detection			
Maximum marks	8			

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Research and Planning	USN-1	Conduct literature review, implement and train the Xception model for Alzheimer's disease prediction	2	HIGH	Chetan G
Sprint-1	Research and Planning	USN-2	Define target demographic and risk factors	2	HIGH	Anirudh VS
Sprint-2	Development of Cognitive Tests	USN-3	Collaborate with experts to design cognitive tests, to collect and preprocess medical images for training the Xception model	2	Medium	Lavanya
Sprint-2	Development of Cognitive Tests	USN-4	Conduct initial training and tests on the datasets	1	Medium	Gourav
Sprint-3	Integration of Technology	USN-5	Explore and select monitoring technologies	3	High	Gourav

Sprint-3	Integration of	USN-6	Develop or	3	High	Chetan G
	Technology		customize			
			software			
			solutions,			
			integrate the			
			trained			
			Xception			
			model into			
			the Flask app			
			for			
			predictions			
Sprint-3	Integration of	USN-7	Conduct	2	High	Anirudh VS
·	Technology		compatibility			
			testing,			
			submit			
			medical			
			images			
			through the			
			Flask app for			
			Alzheimer's			
			prediction			
Sprint-4	Healthcare	USN-8	Establish	2	Medium	Chetan G
	Provider		partnerships			
	Collaboration		with			
			healthcare			
			providers			
Sprint-4	Healthcare	USN-9	Conduct	2	Low	Gourav
·	Provider		training			
	Collaboration		sessions,			
			collect and			
			preprocess			
			medical			
			images for			
			training the			
			Xception			
			model			
Sprint-4	Healthcare	USN-10	Implement	2	Medium	Lavanya
-	Provider		the detection			
	Collaboration		program in			
			pilot			
			healthcare			
			settings			
Sprint-5	Data	USN-11	Implement a	3	High	Lavanya
	Management		secure data			
	and Security		management			
			system, set			
			up a Flask			
			app with			
			endpoints for			
1	1	1	model	1	1	1

Sprint-5	Data Management	USN-12	Establish protocols for	2	High	Gourav
	and Security		data security			
Sprint-5	Data Management and Security	USN-13	Conduct initial audits	2	High	Anirudh VS
Sprint-6	Evaluation and Iteration	USN-14	Conduct regular evaluations	2	Medium	Chetan G
Sprint-6	Evaluation and Iteration	USN-15	Collect feedback from stakeholders	1	Medium	Anirudh VS
Sprint-6	Evaluation and Iteration	USN-16	Iterate on the program based on feedback	2	Medium	Chetan G

Project Tracker, Velocity & Burndown Chart

Sprint	Total Story	Duration	Sprint Start	Sprint End	Story Points	Sprint
	Points		Date	Date	Completed	Release
				(Planned)	(as on	Date
					Planned	(Actual)
					End Date)	
Sprint-1	4	3 days	3 nd Nov	5 th Nov	4	5 th Nov
Sprint-2	3	5 days	6 th Nov	10 th Nov	7	10 th Nov
Sprint-3	8	4 days	11 th Nov	14 th Nov	15	14 th Nov
Sprint-4	6	5 days	15 th Nov	19 th Nov	21	19 th Nov
Sprint-5	7	4 days	20 th Nov	23 nd Nov	28	23 nd Nov
Sprint-6	5	2 days	24 th Nov	26 th Nov	33	26 th Nov

Velocity:

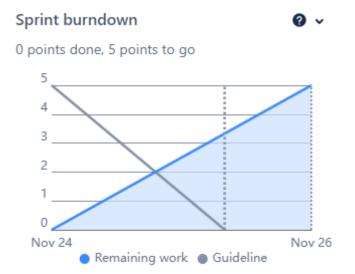
Imagine we have a 10-day sprint duration, and the velocity of the team is 33 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

$$AV = \frac{sprint\ duration}{velocity} = 33/10 = 3.3$$

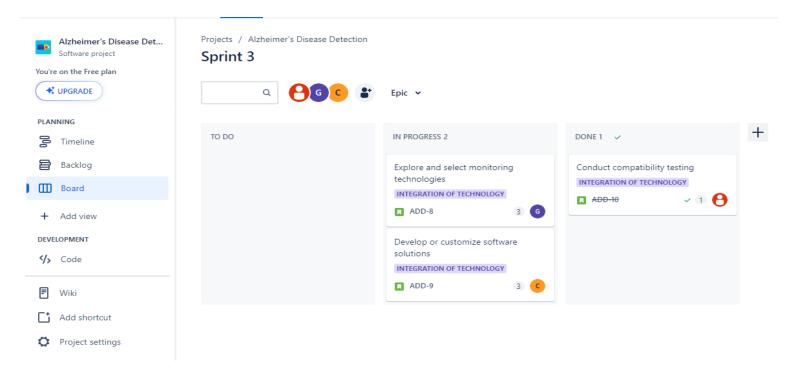
$$AV = 3.3$$

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.



Board Section:



Backlog Section:

