

Project Planning Phase

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

Date	27 October 2023
Team ID	Team-591900
Project Name	Alzheimer's Disease Prediction
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epics)	User Story Number	User Story / Task	Story Point	Priority	Team Members
Sprint-1	Project Setup & Infrastructure	USN-1	Plan for the real-world need of model. The targeted audience and their needs.	1	High	Akash
Sprint-1	Development environment	USN-2	Setup the development environment with the required tools and frameworks to start the Alzheimer's Disease prediction project.	2	High	Ayush
Sprint-2	Data collection	USN - 3	Gather a diverse dataset of images containing different medical images of brain (MRI, CT) for training the DL model	2	High	Deepti

Sprint-2	Data preprocessing	USN - 4	Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting into training and validation sets.	3	High	Akash
Sprint-3	Model development	USN-5	Explore and evaluate different deep learning architectures to select the most suitable model for Alzheimer's prediction.	4	High	Deepti
Sprint-3	Training	USN-6	Train the selected DL models using the preprocessed dataset and monitor its performance on validation dataset.	5	High	Ayush
Sprint-3	Testing	USN-7	Implement data augmentation techniques to improve the model's robustness and accuracy	3	Medium	Deepti
Sprint-4	Model deployment and Integration	USN-8	Deploy the trained DL model as an API or web service to make is accessible for Alzheimer's prediction, integrate the model's API into a user-friendly web interface for users to upload images and receive results	1	Medium	Akash
Sprint-5	Testing & quality assurance	USN-9	Conduct thorough testing of the model and web interface to identify and report any bugs or issues, fine-tune the hyperparameters and optimize the performance based on user feedback and testing results.	1	Medium	Ayush

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	3	4 Days	16 Oct 2023	19 Oct 2023	3	19 Oct 2023
Sprint-2	5	6 Days	20 Oct 2023	25 Oct 2023	5	25 Oct 2023
Sprint-3	9	6 Days	26 Oct 2023	31 Oct 2023		
Sprint-4	1	3 Days	1 Nov 2023	3 Nov 2023		
Sprint-5	1	2 Days	4 Nov 2023	6 Nov 2023		

Velocity:

$$AV = \frac{Sprint\ duration}{Velocity}$$
$$= \frac{21}{19} = 1.105$$

Timeline Section:

Student Lo x Technology x Student Lo x Project Pla x Project Pla x Cognitive C x Alzheimer's x Ethnus : M x how to cre x Building Jir x +

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	OCT	OCT	NOV	NOV
	19 20 21 22	23 24 25 26 27 28 29	30 31 1 2 3 4 5	6 7 8 9 10 11 12 13
Sprints		Sprint 3	Sprint 4	Sprint 5
> ADP-3 Project Setup DONE	■			
> ADP-6 Project Infrastructure DONE	■			
> ADP-25 Project Dev: Model Building		■	■	
> ADP-10 Development Environment	■			
> ADP-31 Project Dev: Application Building			■	■
> ADP-18 Project Dev: Data Collect... DONE	■			
> ADP-20 Project Dev: Image Pre-p... DONE		■		
+ Create Epic				

Today Weeks Months Quarters Quickstart

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Backlog Section:

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ADP-3 Project Setup DONE

ADP-6 Project Infrastructure DONE

ADP-25 Project Dev: Model Building

ADP-10 Development Environment

ADP-31 Project Dev: Application Building

ADP-18 Project Dev: Data Collect... DONE

ADP-20 Project Dev: Image Pre-p... DONE

+ Create Epic

OCT 19 20 21 22 23 24 25 26 27 28 29 30 31

OCT 26 27 28 29

NOV 1 2 3 4 5 6 7 8 9 10 11 12 13

Sprint 3

Sprint 4

Sprint 5

Today

Weeks

Months

Quarters

Quickstart

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Board Section:

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All sprints

⚡ ☆ Complete sprint ⋮

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TO DO 2

Model deployment and Integration

PROJECT DEV: APPLICATION BUILDING

✓ ADP-32 AK

Testing

✓ ADP-36 3 DS

IN PROGRESS 1

Training

✓ ADP-35 5 AB

DONE 1 ✓

Model development

✓ ADP-16 ✓ 4 DS

+

Quickstart ✕

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