

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

Sprint-5	Data Management and Security	USN-12	Establish protocols for data security	2	High	Gourav
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 Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	4	3 days	3 <sup>rd</sup> Nov	5 <sup>th</sup> Nov	4	5 <sup>th</sup> Nov
Sprint-2	3	5 days	6 <sup>th</sup> Nov	10 <sup>th</sup> Nov	7	10 <sup>th</sup> Nov
Sprint-3	8	4 days	11 <sup>th</sup> Nov	14 <sup>th</sup> Nov	15	14 <sup>th</sup> Nov
Sprint-4	6	5 days	15 <sup>th</sup> Nov	19 <sup>th</sup> Nov	21	19 <sup>th</sup> Nov
Sprint-5	7	4 days	20 <sup>th</sup> Nov	23 <sup>rd</sup> Nov	28	23 <sup>rd</sup> Nov
Sprint-6	5	2 days	24 <sup>th</sup> Nov	26 <sup>th</sup> Nov	33	26 <sup>th</sup> 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).

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

$$AV = 3.3$$

## 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.

### Sprint burndown



0 points done, 5 points to go



Board Section:

Alzheimer's Disease Det...

Software project

You're on the Free plan

UPGRADE

PLANNING

Timeline

Backlog

Board

Add view

DEVELOPMENT

Code

Wiki

Add shortcut

Project settings

Projects / Alzheimer's Disease Detection

Sprint 3

G C

Epic

TO DO

IN PROGRESS 2

DONE 1

Explore and select monitoring technologies

INTEGRATION OF TECHNOLOGY

ADD-8

3

G

Develop or customize software solutions

INTEGRATION OF TECHNOLOGY

ADD-9

3

C

Conduct compatibility testing

INTEGRATION OF TECHNOLOGY

ADD-10

1

Backlog Section:

Projects / Alzheimer's Disease Detection

Backlog

C G L

Epic

Import work

Insights

View settings

Epic

Issues without epic

Research and Planning

Development of Cognitive Tests

Integration of Technology

Healthcare Provider Collaboration

Data Management and Security

Evaluation and Iteration

Create epic

Sprint 3 11 Nov – 14 Nov (3 issues)

0 0 7 Complete sprint

Sprint 4 15 Nov – 19 Nov (3 issues)

0 0 5 Complete sprint

Sprint 5 20 Nov – 23 Nov (3 issues)

0 0 7 Complete sprint

Sprint 6 24 Nov – 26 Nov (3 issues)

0 1 4 Complete sprint

ADD-20 Conduct regular evaluations

EVALUATION AND ITER...

DONE

2

C

ADD-22 Iterate on the program based on feedback

EVALUATION AND ITER...

DONE

2

C

ADD-21 Collect feedback from stakeholders

EVALUATION AND ITER...

IN PROGRESS

1

Create issue

Backlog (0 issues)

0 0 0 Create sprint

Your backlog is empty.

Create issue