

Project Planning Phase

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

Date	19 November 2023
Team ID	Team-591602
Project Name	FetalAI: USING MACHINE LEARNING TO PREDICT AND MONITOR FETAL HEALTH
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Best Algorithm Finding	USN-7	Trying out all the available algorithms in order to find which one gives the best accuracy rate.	4	High	Ankit Amarnath Surya Madhuri
Sprint-1	Finding correlations	USN-8	We have a huge number of 21 parameters which can be hectic to handle, hence we shall find correlated columns and eliminate them.	3	High	Ankit Surya Amarnath

Sprint-2	WebUI development	USN-9	We need a webUI so that the users can give their inputs and find predictions accordingly.	4	High	Madhuri Surya
Sprint-1	Logo requirement	USN-10	Find or design an apt logo for the WebUI	2	Medium	Madhuri Ankit
Sprint-2	Defining Description	USN-11	A detailed information about the application, its uses, and its application should be available for the users in order to understand better about the model.	2	Medium	Ankit
Sprint-3	Contact us page	USN-12	In order to allow the users to post further queries, a contact us part of the page must be made available with the details of our team in it and how to contact us.	4	Medium	Ankit Surya
Sprint-3	Further contraction of parameters	USN-13	Though we have 16 parameters now, it is still a big number of inputs for the users to deal with, hence, we must further decrease them.	5	High	Amaranth Ankit Madhuri Surya
Sprint-4	Back Navigator	USN-14	A button must be provided for the users to return to the predictor_inputs page to start predicting from the model again	2	Low	Madhuri Amarnath
Sprint-4	Reset button	USN-16	A reset button may help the user to reset all the	1	Low	Madhuri

			values entered, thus may find use in needy times.			
Sprint-4	Suggestions division	USN-10	Create a division in the result page that displays the suggestion of steps to be followed based on the predicted output of the fetal condition.	3	Medium	Surya

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	9	6 Days	16 October 2023	21 October 2023	9	21 October 2023
Sprint-2	6	6 Days	23 October 2023	28 October 2023	6	28 October 2023
Sprint-3	9	6 Days	30 October 2023	4 November 2023	9	4 November 2023
Sprint-4	7	6 Days	7 November 2023	11 November 2023	7	11 November 2023

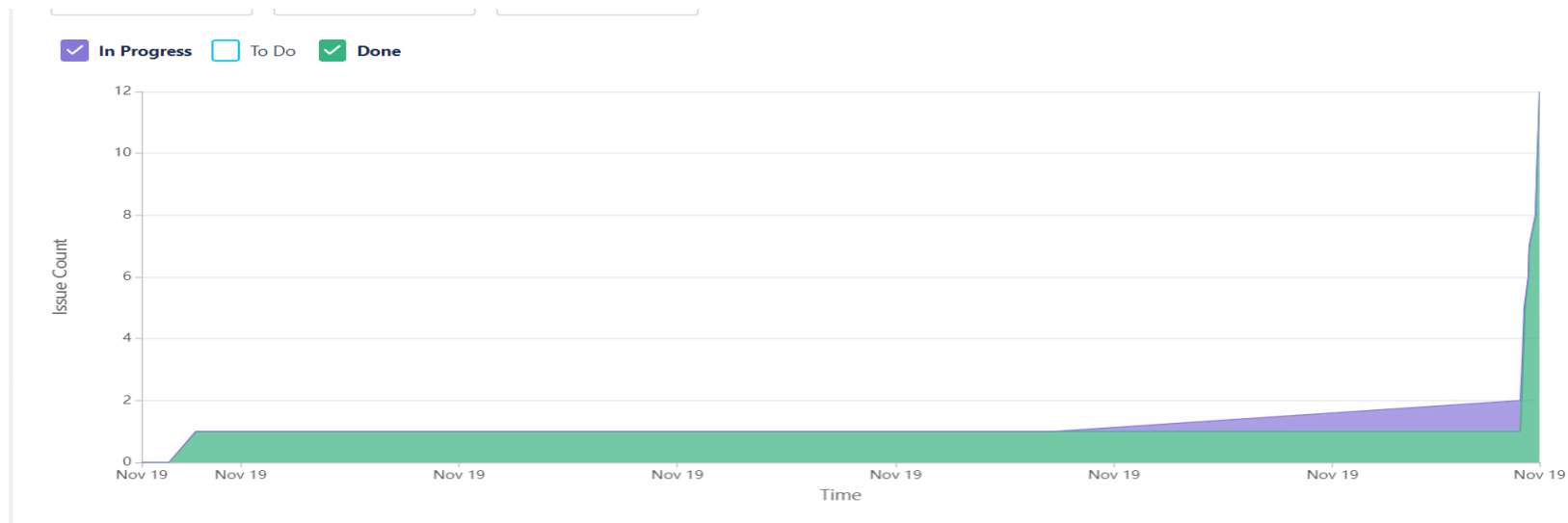
Velocity:

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

$$AV = \text{SPRINT DURATION} / \text{VELOCITY}$$
$$= 6 + 6 + 6 + 6 / 4 = 6$$

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.





Fetal Health
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Timeline

Backlog

Board

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Code

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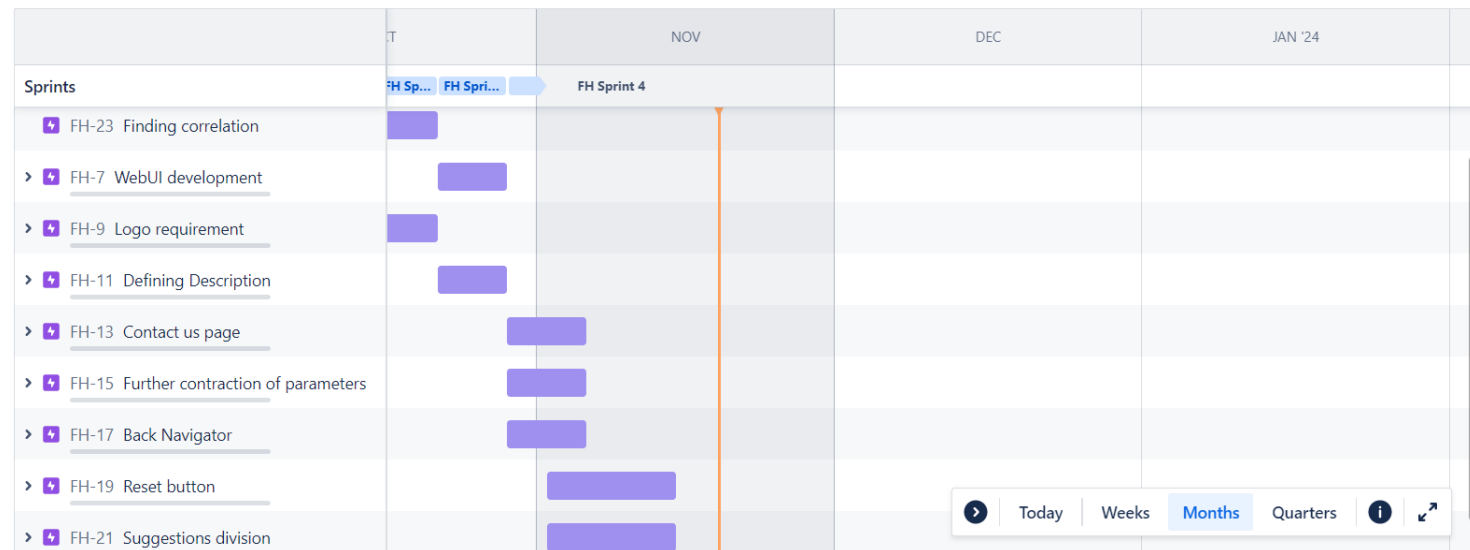
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Q



Status category ▾

Epic ▾



Today

Weeks

Months

Quarters



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Import work

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Epic



> WebUI development

> Logo requirement

> Defining Description

> Contact us page

> Further contraction of parameters

> Back Navigator

> Back Navigator

+ Create epic

▼ FH Sprint 1 16 Oct – 21 Oct (4 issues)

0 0 10

Complete sprint



HH-3 Trying out all the available algorithms in order to find which one gives the...	BEST ALGORI...	DONE ▾	4	<div></div>
HH-5 We have a huge number of 21 parameters which can be hectic to handle, ...	FINDING COR...	DONE ▾	3	AK
HH-6 we shall find correlated columns and eliminate them.	FINDING COR...	DONE ▾	3	AC
HH-10 Find or design an apt logo for the WebUI	LOGO REQUIR...	DONE ▾	-	SM

+ Create issue

▼ FH Sprint 2 22 Oct – 28 Oct (2 issues)

0 0 5

Complete sprint



HH-8 We need a webUI so that the users can give their inputs and find predictio...	WEBUI DEVEL...	DONE ▾	2	AK
HH-12 A detailed information about the application, its uses, and its application...	DEFINING DE...	DONE ▾	3	<div></div>

+ Create issue



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> Further contraction of parameters

> Back Navigator

> Reset button

+ Create epic

FH Sprint 3 29 Oct – 5 Nov (3 issues)

0 0 6

Complete sprint



FH-14 In order to allow the users to post further queries, a contact us part of th...

CONTACT US ...

DONE

3



FH-16 it is still a big number of inputs for the users to deal with, hence, we mus...

FURTHER CO...

DONE

2



FH-18 A button must be provided for the users to return to the predictor_input...

BACK NAVIGA...

DONE

1



+ Create issue

FH Sprint 4 Add dates (2 issues)

0 0 4

Start sprint



FH-20 A reset button may help the user to reset all the values entered, thus ma...

RESET BUTTON

DONE

1



FH-22 Create a division in the result page that displays the suggestion of s...

SUGGESTION...

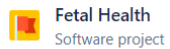
DONE

3



+ Create issue

2 issues | Estimate: 0



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+ Add view

DEVELOPMENT

Code

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All sprints



0 days remaining ↗

Complete sprint



SM

AK

AC



Epic ▾

Sprint ▾

GROUP BY

None ▾

Import work

Insights

View settings

TO DO

IN PROGRESS

DONE 9 ✓



Trying out all the available algorithms in order to find which one gives the best accuracy rate.
Trying out all the available algorithms in order to find which one gives the best accuracy rate.

BEST ALGORITHM FINDING



FH-3



4



We have a huge number of 21 parameters which can be hectic to handle, hence we shall find correlated columns and eliminate them.



FH-5



3



we shall find correlated columns