

Project Planning Phase

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

Date	25 October 2023
Team ID	Team-591695
Project Name	Fraud Detection using ML
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	Project setup & Infrastructure	USN-1	Set up the environment with the requires tools and frameworks to start the hospital readmission prediction project.	2	High	Naren
Sprint-1	Development environment	USN-2	Make all necessary arrangements to complete the project.	1	Medium	Naren
Sprint-2	Data collection	USN-3	Gather a diverse dataset of readmissions containing different types of features for training the Machine learning model.	2	High	Vamsi
Sprint-3	Data preprocessing	USN-4	Preprocess the collected dataset by handling all types of null values, missing values and selecting correct features for predicting and selecting correct model.	2	High	Naren

Sprint-3	Model development	USN-5	Train the selected machine learning model using pre-processed dataset and monitor its performance on the validation set.	1	Medium	Vamsi
Sprint-4	Training	USN-6	Implement data augmentation techniques to improve the models robustness and accuracy.	2	High	Naren
Sprint-5	Model deployment & Integration	USN-7	Deploy the trained machine learning model as an API or web service to make it accessible for readmission prediction. Integrate the models API into user-friendly web interface for users to give input and predict .	1	Medium	Vamsi
Sprint-5	Testing & quality assurance	USN-8	Conduct thorough testing of the model and web interface to identify and report any issues or bugs. Optimize its performance based on user feedback and testing results	2	High	Naren

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	18 October 2023	21 Oct 2023	20	21 Oct 2023
Sprint-2	5	3 Days	22 October 2023	25 Oct 2023	20	25 Oct 2023
Sprint-3	10	7 Days	26 October 2023	2 Nov 2023	20	2 Nov 2023
Sprint-4	1	3 Days	3 November 2023	6 Nov 2023	20	6 Nov 2023

Sprint-5	1	2 Days	7 November 2023	9 Nov 2023	20	9 Nov 2023
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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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

$$AV=22/20=1.1$$

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.

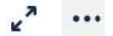
Sprint burndown

BETA ? ▾

0 points done, 10 points to go



Backlog



Epic ▾

Import work

Insights

View settings

Epic



Issues without epic

> Project setup & Infrastructure

> Data collection

> Data preprocessing

> Model development

> Training

> Model development

> Testing

+ Create epic

▼ SCRUM Sprint 1 18 Oct – 21 Oct (8 issues)

0

0

3

Complete sprint



complete all setup for project development.

SCRUM-8 Implement data augmentation techniques to improve the models rob...	MODEL DEVE...	DONE ▾	-	
SCRUM-10 Conduct thorough testing of the model and web interface to identif...	TESTING	DONE ▾	-	
SCRUM-2 Set up the environment with the requires tools and frameworks to sta...	PROJECT SET...	DONE ▾	2	
SCRUM-9 Deploy the trained machine learning model as an API or web service t...	MODEL DEVE...	DONE ▾	-	
SCRUM-7 Train the selected machine learning model using pre-processed datas...	TRAINING	DONE ▾	-	
SCRUM-3 Make all necessary arrangements to complete the project	PROJECT SET...	DONE ▾	1	
SCRUM-6 Preprocess the collected dataset by handling all types of null values, ...	DATA PREPRO...	DONE ▾	-	
SCRUM-5 Gather a diverse dataset of readmissions containing different types of...	DATA COLLEC...	DONE ▾	-	

+ Create issue

> Backlog (0 issues)

Quickstart

Projects / My Scrum Project

SCRUM Sprint 1

complete all setup for project development.

⚡ ☆ 🕒 0 days



Epic ▾

GROUP BY None ▾

📁 Import work

TO DO

IN PROGRESS

DONE 8 ✓



Implement data augmentation techniques to improve the models robustness and accuracy.

MODEL DEVELOPMENT

🟢 SERUM-8



Conduct thorough testing of the model and web interface to identify and report any issues or bugs. Optimize its performance based on user feedback and testing results

TESTING

🟢 SERUM-10



Set up the environment with the requires tools and frameworks to start the hospital readmission

Timeline

Give feedback Share Export

Status category ▾
Epic ▾

View set

	T	NOV	DEC	JAN '24
Sprints	SC...			
> SCRUM-1 Project setup & Infrastructure				
> SCRUM-4 Data collection				
> SCRUM-11 Data preprocessing				
> SCRUM-12 Model development				
> SCRUM-13 Training				
> SCRUM-14 Model development				
> SCRUM-15 Testing				
+ Create Epic				

Today Weeks Months Quarters

Quickstart