

Initial Project Planning Report

Date	25-01-2024
Skillwallet ID	SWUID20250194750
Project Name	Anemia Sense: Leveraging Machine Learning For Precise Anemia
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection and Preprocessing	GFPT-1,2	Data gathering & loading	High	Abhijay yadav	25/07/2025	27/07/2025
Sprint-1	Data Collection and Preprocessing	GFPT-3	Handle missing values	High	Abhijay yadav	25/07/2025	27/07/2025
Sprint-1	Data Collection and Preprocessing	GFPT-4,5	Encode categorical variables	Medium	Abhijay yadav	25/07/2025	27/07/2025
Sprint-1	Data Collection and Preprocessing	GFPT-6	Dataset balancing	High	Abhijay yadav	25/07/2025	27/07/2025
Sprint-2	Model Development	GFPT-12	Train ML models	High	Abhijay yadav	28/07/2025	30/07/2025
Sprint-2	Model Development	GFPT-13	Evaluate models (accuracy, F1, etc.)	Medium	Abhijay yadav	28/07/2025	30/07/2025
Sprint-3	Model Optimization	GFPT-14,18	Hyperparameter tuning	High	Abhijay yadav	31/07/2025	01/08/2025
Sprint-3	Model Optimization	GFPT-15,19	Final model selection & justification	Medium	Abhijay yadav	31/07/2025	01/08/2025

Screenshot:

This screenshot shows the Jira Board view for the project "Anemia Sense: Leveraging Machine Learning For Precise Anemia Sensing". The board is organized into three columns: TO DO, IN PROGRESS, and DONE. The TO DO column contains tasks for training various machine learning models (Naive Bayes, SVM, Gradient Boosting) and calculating accuracy. The IN PROGRESS column is currently empty. The DONE column contains tasks for training a Logistic Regression model, a Random Forest Classifier, and a Decision Tree Classifier. Each task is represented by a card with a title, a status label (e.g., MODEL TRAINING), and a progress indicator.

Projects
Anemia Sense: Leveraging Machine Learning For Precise Anemia Sensing ...

Summary Timeline Backlog Board Calendar List Forms Goals All work Code Archived work items Pages Shortcuts +

Search board Filter Complete sprint Group

TO DO 5

- Train Naive Bayes model
MODEL TRAINING
ASLMLFPS-13 2
- Train SVM model
MODEL TRAINING
ASLMLFPS-14 2
- Train Gradient Boosting model
MODEL TRAINING
ASLMLFPS-15 2
- Calculate accuracy for all models
MODEL EVALUATION
ASLMLFPS-17 1
- Generate classification reports
MODEL EVALUATION

IN PROGRESS

DONE 3

- Train Logistic Regression model
MODEL TRAINING
ASLMLFPS-19 2
- Train Random Forest Classifier
MODEL TRAINING
ASLMLFPS-11 2
- Train Decision Tree Classifier
MODEL TRAINING
ASLMLFPS-12 2

This screenshot shows the Jira Timeline view for the same project. The timeline displays a sequence of tasks as horizontal bars, indicating their duration over time. The tasks are: ASLMLFPS-1 Data Collection, ASLMLFPS-5 Data Preprocessing, ASLMLFPS-9 Model Training, ASLMLFPS-16 Model Evaluation, ASLMLFPS-20 Model Optimization, and ASLMLFPS-24 Model Deployment. The timeline is set for the month of August. The interface includes a search bar, filters for Epic, Type, and Status category, and a list of tasks on the left side.

Projects
Anemia Sense: Leveraging Machine Learning For Precise Anemia Sensing ...

Summary Timeline Backlog Board Calendar List Forms Goals All work

Search timeline Epic Type Status category

Sprints

- > ASLMLFPS-1 Data Collection
- > ASLMLFPS-5 Data Preprocessing
- > ASLMLFPS-9 Model Training
- > ASLMLFPS-16 Model Evaluation
- > ASLMLFPS-20 Model Optimization
- > ASLMLFPS-24 Model Deployment
- + Create Epic