

Model Development Phase Template

Date	5 JULY 2024
Team ID	740088
Project Title	Anemiasense: Leveraging Machine Learning For Precise Anemia Recognitions
Maximum Marks	5 Marks

Feature Selection Report Template

This template provides a structured framework for documenting the feature selection process in the "Anemiasense" project, ensuring clarity and transparency in the selection of features crucial for accurate predictive modeling of anemia.

Feature	Description	Selected (Yes/No)	Reasoning
Gender	Gender of the patient.	Yes	Potential differences in anemia prevalence between genders.
Hemoglobin	Level of hemoglobin in the blood.	Yes	Directly correlates with the severity of anemia and is essential for diagnosing and monitoring anemia.
MCH	Average amount of hemoglobin in red blood cells.	Yes	Provides crucial information about the amount of hemoglobin per red blood cell, aiding in anemia diagnosis.
MCHC	Concentration of hemoglobin in red blood cells.	Yes	Helps assess the concentration of hemoglobin within red blood cells, which is vital for diagnosing certain types of anemia.
MCV	Average volume of red blood cells.	Yes	MCV helps distinguish between different types of anemia (e.g., microcytic, macrocytic).