

Model Development Phase

Date	10 July 2024 SWTID1720078683
Team ID	SWTID1720078683
Project Title	Anemia Sense: Leveraging Machine Learning for Precise Anemia Recognitions
Maximum Marks	5 Marks

Feature Selection Report

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Gender	Binary indicator of gender (0: Male, 1: Female)	Yes	Relevant for potential gender differences in anemia
Hemoglobin	Hemoglobin level	Yes	Primary indicator of anemia
MCH	Mean Corpuscular Hemoglobin is a measure of the average amount of hemoglobin per red blood cell	Yes	Indicator for red blood cell characteristics

MCHC	Mean Corpuscular Hemoglobin Concentration indicates the concentration of hemoglobin in a given volume of packed red blood cells	Yes	Indicator for red blood cell concentration
MCV	Mean Corpuscular Volume measures the average volume of red blood cells	Yes	Indicator for red blood cell volume