

Problem Statement

Date: 30 July 2025
Project Title: AnemiaSense — Machine Learning Based Anemia Detection
Maximum Marks: 3 Marks

Define Problem Statement:

Anemia is a widespread condition that can cause fatigue, weakness, and other health complications if left undetected. The current diagnostic process often involves multiple tests and delays, which can impact early treatment. Patients, especially in resource-limited areas, face challenges such as lack of immediate access to lab facilities and delayed consultations. These factors can reduce timely medical intervention and worsen health outcomes. By streamlining anemia detection using machine learning, we can provide a faster, more accessible, and user-friendly method that improves patient experience and supports healthcare efficiency.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A patient concerned about their health status	Quickly determine if they have anemia	They lack immediate access to medical labs	Tests take time and require travel	Worried about delays and uncertain about health