

Project Initialization and Planning Phase

Date	3 August 2025
Project Name	Anemia Sense - Leveraging Machine Learning for Precise Anemia Recognitions
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

AnemiaSense leverages machine learning algorithms to provide precise recognition and management of anemia, a condition characterized by a deficiency of red blood cells or hemoglobin. Patients face challenges such as late detection, lack of personalized treatment, and difficulty in continuous monitoring. By addressing these issues, AnemiaSense aims to improve patient outcomes, enhance treatment efficiency, and make remote care accessible, especially for rural or underserved populations

Problem Statement (PS)

I am (Customer)	I am Trying to	But	Because	Which makes me feel
Patient at risk of anemia	Detect anemia early	Symptoms not obvious early	Timely treatment prevents complications	Worried about late diagnosis
Patient diagnosed with anemia	Get a treatment plan suited to my needs	Generic treatment not effective	Individual factors affect response	Uncertain about best treatment options
Patient undergoing anemia treatment	Monitor my condition remotely	Traveling for checkups is difficult	Remote tracking helps doctors adjust treatment	Relieved to avoid frequent visits