Project Initialization and Planning Phase

Date	1August 2025
Skillwallet ID	SWUID20250194750
Project Name	Anemia Sense: Leveraging Machine Learning For Precise Anemia
Maximum Marks	3 Marks

Problem Statement:

The current anemia diagnosis process poses challenges for both patients and healthcare providers, often impacting the quality of care and timely intervention. Patients, particularly those in resource-limited settings, face obstacles such as delayed test results, limited access to diagnostic tools, and inconsistent assessments. These issues contribute to a suboptimal healthcare experience and can hinder early detection and treatment.

To improve clinical outcomes and enhance the diagnostic journey, *Anemia Sense* aims to address these challenges. By identifying specific pain points in the existing diagnostic workflow and implementing a data-driven, machine learning-based solution, we strive to deliver a faster, more accurate, and user-friendly experience. This approach supports healthcare providers in making informed decisions, ultimately fostering greater trust and improving patient care.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A healthcare provider in a rural clinic.	Diagnose anemia accurately and quickly.	I have limited access to advanced diagnostic tools.	Resources are scarce and manual methods are time-consuming.	Concerned about delayed treatment and patient outcomes.