Data Collection and Preprocessing Phase

Date	21st June 2025	
Team ID	LIVIP2025TMID 2174	
Project Title	Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques.	

Data Quality Report Template

This report summarizes the data quality issues identified in the liver cirrhosis dataset, along with their severity levels and proposed resolution plans. The goal is to systematically identify and rectify discrepancies to ensure high-quality data for accurate predictions.

Data Source	Data Quality Issue	Severity	Resolution Plan
Kaggle Dataset	Missing values in all the columns of the dataset. (42 columns) df.isnull().sum() > 0.0s S.NO Age Goder Quantity of alcohol consumption(years) Quantity of alcohol consumption (quarters/day) Type of alcohol consumption (quarters/day) Hepatitis B infection Hepatitis C infection Diabetes Result Blood pressure (mmhg) Obesity Family history of cirrhosis/ hereditary Family history of cirrhosis/ hereditary HDL	High	Use mean/median imputation.
Kaggle Dataset	Categorical data in the dataset	Moderate	Perform encoding (e.g., Label Encoding or One-Hot Encoding).