Model Development Phase Template

Date	10 July 2024
Team ID	SWTID1720013031
Project Title	Prediction and Analysis of Liver Patient Data Using Machine Learning
Maximum Marks	5 Marks

Feature Selection Report Template

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
Age	Age of the patient	Yes	Essential demographic feature
Gender	Gender of the patient (Male/Female)	Yes	Basic demographic feature, could impact disease prediction
Total_Bilirubin	Total bilirubin level in the blood	Yes	Key indicator of liver function
Direct_Bilirubin	Direct bilirubin level in the blood	Yes	Important for assessing liver function

Alkaline_Phosphotase	Alkaline phosphatase level in the blood	Yes	Critical for diagnosing liver conditions
Alamine_Aminotransferase	Alanine aminotransferase level in the blood	Yes	Important liver enzyme indicator
Aspartate_Aminotransferase	Aspartate aminotransferase level in the blood	Yes	Another key liver enzyme
Total_Protiens	Total proteins level in the blood	Yes	Important for overall liver health
Albumin	Albumin level in the blood	Yes	Crucial protein level in liver function
Albumin_and_Globulin_Ratio	Ratio of albumin to globulin	Yes	Reflects balance of key proteins in the liver
Dataset	Classification of whether the patient has liver disease (1) or not (2)	Yes	Target variable indicating liver disease presence