

## Model Development Phase Template

Date	09 July 2024
Team ID	SWTID1720023141
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
Alkaline_Phosphatase	Alkaline phosphatase level in the blood	Yes	Critical for diagnosing liver conditions

Alamine_Amino transferase	Alanine aminotransferase level in the blood	Yes	Important liver enzyme indicator
Aspartate_Amino transferase	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_ G lobulin_Ratio	Ratio of albumin to globulin	Yes	Ratio of albumin to globulin
Dataset	Classification of whether the patient has liver disease (1) or not (2)	Yes	Target variable indicating liver disease presence