Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID17773
Project Name	Project - Statistical Machine Learning Approaches to Liver Disease Prediction
Maximum Marks	4 Marks

Technical Architecture:

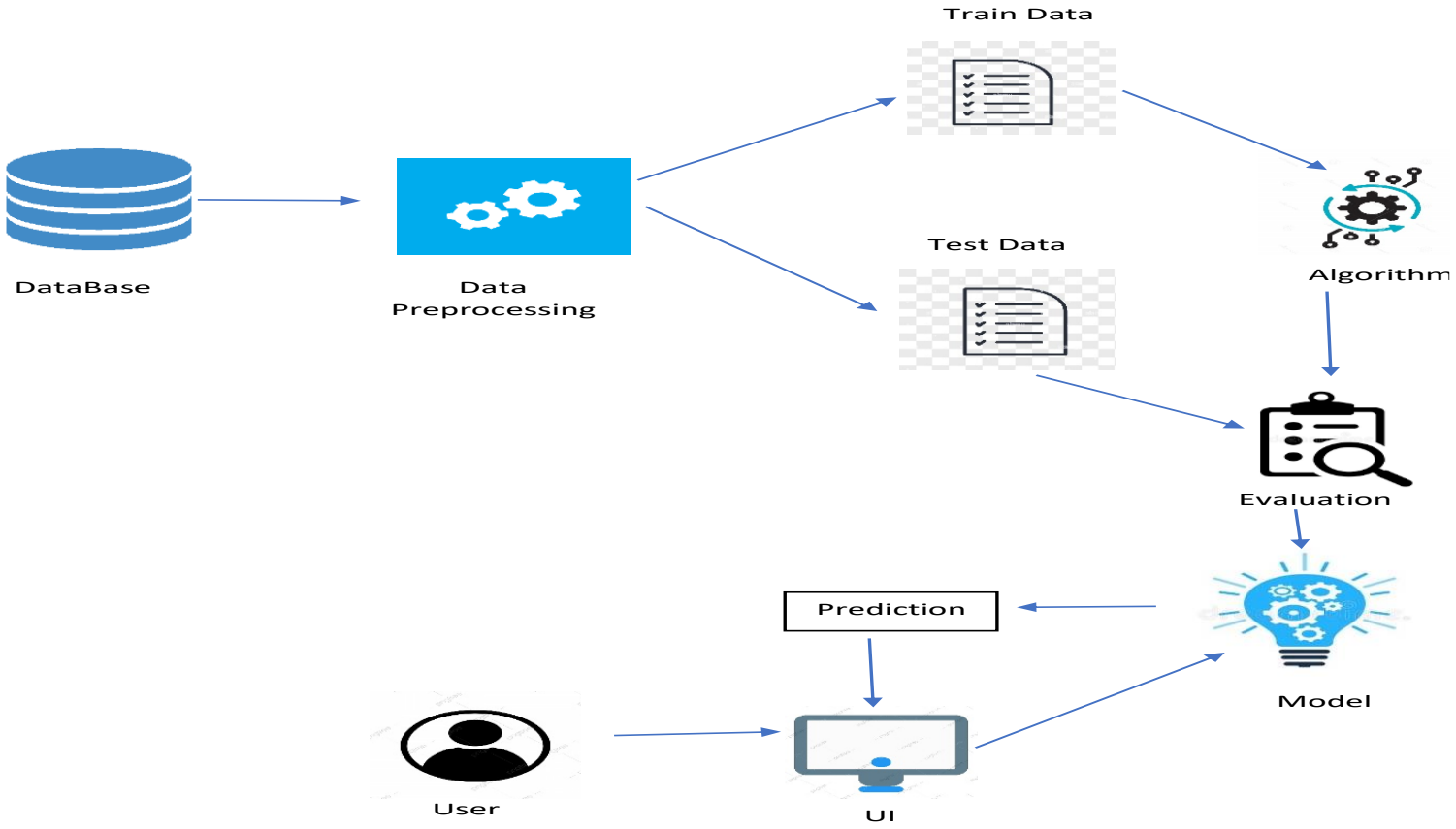

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interface receives input from user and predict the result.	HTML, CSS, JavaScript / Angular Js / React Js etc.
	Application Logic-1	User will upload the input feature by using UI	HTML,Python-Flask
	Application Logic-2	UI input the data to trained model.	Python
2.	Application Logic-3	Model will predict whether the person have liver disease or not and display using UI.	Python
3.	Machine Learning Model	ML Model are implemented and used for classification.	SVM,KNN,Decision Tree model
4.	Cloud Database	Deploying the model in cloud	IBM cloud
5.	File Storage	To store data in hierarchical structure .	Local Filesystem

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Python
2.	Security Implementations	User data are not stored in server so there is no security issuse.	-
3.	Availability	Application will be available for 24/7	Load Balancer
4.	Performance	Application can handle any number of users	-