

Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
Maximum Marks	4 Marks

Technical Architecture:

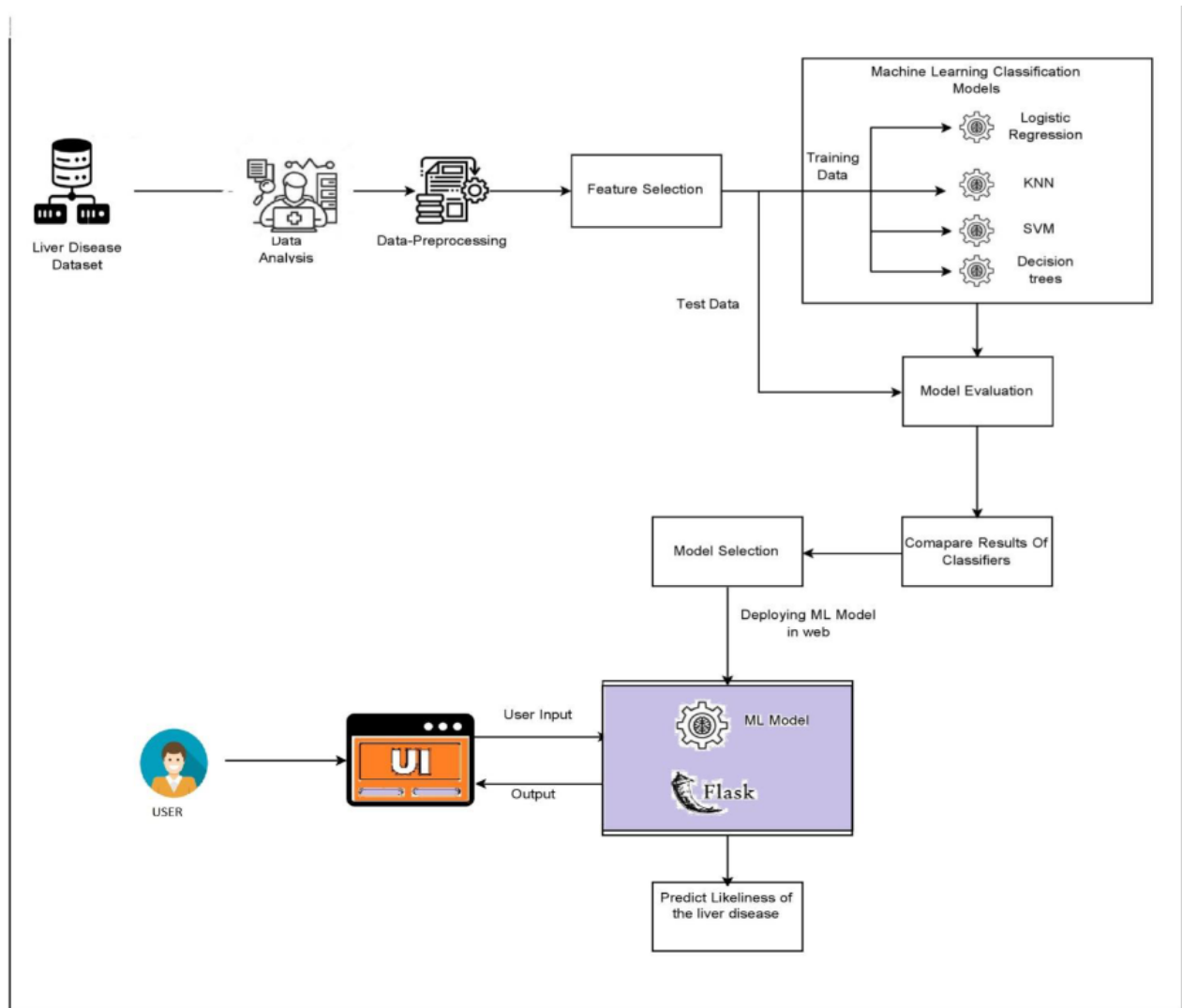


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	A Web page which gets user input and send it to the backend for predicting the given input data	HTML, CSS, JavaScript
2.	Predicting Model	Model which takes user input and predict whether the person have liver disease or not	Python, Numpy, Pandas, Scikit-learn
3.	Web Server	A web server which serves static HTML user interface files and uses Predicting ML model to process output and send back to the client	Python, Flask
4.	Machine Learning Model	The model used for classify whether the person have liver disease or not	Support Vector Machine Model
5.	Cloud Deployment	The ML model is bind with web server and deployed in to the IBM cloud	IBM cloud, IBM Watson Studio

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	There are no open-source frameworks in this application.	Technology of Opensource framework
2.	Security Implementations	Block chain technology is used for Security implementation its private framework protects all data..	Block chain
3.	Scalable Architecture	Users are Provided with medical services online	IBM cloud
4.	Availability	Available for everyone , no Restrictions	Technology used
5.	Performance	Predicted Result is more accurate	Support Vector Machine Algorithm