Project Initialization and Planning Phase

Date	4th June 2024
Team ID	SWTID1720175375
Project Title	Prediction and analysis of liver patient data using ML
Maximum Marks	3 Marks

Project Proposal (Proposed Solution)

Project Overview	
Objective	to determine whether a person has liver illness or not based on their health info
Scope	Can be developed into a full-fledged software and use it worldwide
Problem Statement	
Description	The customer is unable to find a proper app or website tto know if he/she has a chance of having liver disease
Impact	Large number of people will be able to is he/she has a chance of having liver disease and they don't have to spend a huge amounts of money for health care facilities
Proposed Solution	
Approach	we obtain information from the client about their age, protein levels, etc and try to predict if he/she has liver disease or not by training a model with the given data
Key Features	The customer will be informed right away whether he is at risk for liver illness.

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	8 cores,16 threads	2 x NVIDIA V100 GPUs
Memory	50GB	4GB
Storage	SSD/HDD	512 GB SSD
Software		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	scikit-learn, pandas, numpy
Development Environment	IDE, version control	Jupyter Notebook, Git
Data		
Data	Source, size, format	Kaggle dataset,583rows x 11 columns