**Project Initialization and Planning Phase**

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| 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)**

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| **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**

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| **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 |