Ideation Phase

Empathize & Discover

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| **Date** | June 28, 2025 |
| **Team ID** | LTVIP2025TMID40347 |
| **Project Name** | Project –Revoluting liver care:Predicting liver cirrhoss using advanced machine learning technique |
| **Maximum Marks** | 4 Marks |

**Revolutionizing Liver Care :**

**Predicting Liver Cirrhosis using Advanced Machine Learning Techniques**It is a useful tool to helps teams better understand their users.

Creating an effective solution requires understanding the true problem and the person who

is experiencing it. The exercise of creating the map helps participants consider things from

the user’s perspective along with his or her goals and challenges.

**Reference:**https://www.researchgate.net/publication/365929175\_Liver\_Cirrhosis\_Prediction\_using\_Machine\_Learning\_Approaches

Liver cirrhosis is a chronic and progressive liver disease characterized by the irreversible scarring of liver tissue, which can lead to severe complications and liver failure if left untreated. This project aims to develop a predictive model for the early detection and prognosis of liver cirrhosis using machine learning techniques.The developed predictive model holds promise for early detection and prognosis of liver cirrhosis, enabling healthcare professionals to initiate timely interventions and personalized treatment strategies. By accurately identifying individuals at risk of cirrhosis, this research contributes to improved patient outcomes and the optimization of healthcare resources. Moreover, it highlights the potential of machine learning in the field of hepatology, showcasing its ability to leverage clinical data for predictive modeling and decision support.

