Ideation Phase
Empathize
&Discover

Date	26 June 2025
Team ID	LTVIP2025TMID59416
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques
Maximum Marks	4 Marks

Empathy Map Canvas:

Target User: Healthcare Professionals and At-Risk Patients

SAYS

- "We need faster ways to screen for liver disease."
- "I wish we had an easy tool to understand test results."
- "Specialist tests like biopsy are too expensive and unavailable."
- "AI tools could help, but we need something easy to use."

THINKS

- Worried about missing early signs of liver cirrhosis
- Concerned about treatment delays due to diagnostic bottlenecks
- Thinking about using ML tools to speed up screening
- Wondering how to apply affordable solutions in rural clinics

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DOES

- Orders liver function and enzyme tests
- Reviews patient reports manually
- Refers complex cases for imaging and biopsy
- Seeks digital tools for quick, reliable prediction

FEELS

- Frustrated with limited early-stage detection options
- Anxious about delivering timely care
- Interested in AI-based decision support tools
- Overwhelmed by traditional manual diagnosis process

Pain Points

- Delayed diagnosis of liver cirrhosis
- High cost of standard diagnostic procedures
- Lack of access to liver testing facilities in rural areas
- Patients unaware of early symptoms or severity

Gain Points

- Automated early detection using machine learning
- Cost-effective and scalable diagnostic support
- Accessible web-based prediction system
- Improved decision-making and patient outcomes