Ideation Phase
Brainstorm & Idea Prioritization Template

Date	26 June 2025
Team ID	LTVIP2025TMID33468
Project Name	Predicting Liver Cirrhosis Using Machine Learning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: https://www.mural.co/templates/brainstorm-and-idea-prioritization

Step-1: Team Gathering, Collaboration and Select the Problem Statement
Our team identified the challenge of diagnosing liver cirrhosis early using medical test results. We decided to build a predictive ML model to help healthcare professionals detect cirrhosis with higher accuracy and speed.

Step-2: Brainstorm, Idea Listing and Grouping
- Collect liver patient dataset (ILPD)
- Clean and preprocess data
- Train ML models (Random Forest, KNN, etc.)
- Evaluate accuracy
- Build Flask web interface
- Style with CSS for usability

Step-3: Idea Prioritization
Priority Ideas:
1. Accurate prediction model using Random Forest
2. Responsive and accessible web UI
3. Early detection support for doctors
4. Easy integration into clinical workflows

4

Prioritize

Your team should all be on the same page about what's important moving
forward. Place your ideas on this grid to determine which ideas are important and
which are feasible.

🕐 **20 minutes**

♡

Importance

If each of these
tasks could get
done without any
difficulty or cost,
which would have
the most positive
impact?

Ideal

TIP 💡

Participants can use their
cursors to point at where
sticky notes should go on
the grid. The facilitator can
confirm the spot by using
the laser pointer holding the
H key on the keyboard.

⚑

Feasibility

Regardless of their importance, which tasks are more
feasible than others? (Cost, time, effort, complexity, etc.)