Ideation Phase
Brainstorm & Idea Prioritization Template

Date	27 JUNE 2025
Team ID	LTVIP2025TMID32366
Project Name	**Revolutionizing Liver Care**
Maximum Marks	4 Marks

Predicting Liver Care & Idea Prioritization Template:

Idea	Impact	Feasibility	Resources Needed	Timeline
1. Predict Liver Cirrhosis using medical dataset	High – early detection saves lives	High – data and models available	Public liver datasets, Python, ML libraries	1-2 weeks
2. Build a Liver Health Score App	Medium – useful for public health	Medium – UI/UX + backend work	Frontend tech, ML API	3-4 weeks
3. Detect liver abnormalities using imaging (CT/Ultrasound)	Very High – detailed diagnosis	Low – requires complex image data and models	Medical image datasets, CNNs	5-6 weeks
5. Real-time liver function monitoring with IoT	Very High – long-term impact	Low – hardware + complex integration	Sensors, IoT platform	6+ weeks

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

Step-1: Team Gathering, Collaboration and Select the Problem Statement

👥 1. Team Gathering

✅ Roles to Include:

Role	Responsibility
Team Leader	Organizes meetings, tracks progress

Role	Responsibility
Data Scientist	Prepares data, builds models
Developer	Creates frontend/backend (if app involved)
Researcher	Understands liver disease domain, collects resources

🤝 2. Collaboration Techniques

Tools to Use:

Tool	Purpose
Google Drive	Share files and datasets
GitHub	Collaborate on code
Trello / Notion	Task management
Google Meet / Zoom	Weekly team calls
ChatGPT / Kaggle	Research and guidance

Step-2: Brainstorm, Idea Listing and Grouping

Step-3: Idea Prioritization

❇️ Idea Grouping (Clustering)

Group related ideas together into categories to identify themes.

Group	Ideas
Prediction & Diagnosis	I1, I8 – Predicting cirrhosis and detecting anomalies in scans
Monitoring Tools	I3, I6 – Wearables and dashboards for ongoing patient monitoring
Patient Support	I2, I5 – Diet planner and chatbot for awareness and daily support
Doctor Tools	I7, I6 – NLP for reports and doctor dashboards

Group	Ideas
Awareness & Screening	I4 – Public tool for liver health risk check-up

Idea Prioritization: Impact vs Effort Matrix

Awareness & Screening I4 – Public tool for liver health risk check-up