**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| Date | 25 June 2025 |
| Team ID |  |
| Project Name | Revolutionizing Liver Care: Predicting Liver Cirrhosis using Advanced Machine Learning Techniques |
| 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**

Graphical user interface, application

Description automatically generated

**Step-2: Brainstorm, Idea Listing and Grouping**

Graphical user interface, treemap chart

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**Step-3: Idea Prioritization**

**Diagram

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**Step 1: Select Problem Statement**

* Healthcare professionals lack fast and accurate liver cirrhosis prediction tools.

**Step 2: Brainstorm Ideas**

1. Build ML model to predict liver cirrhosis from medical data.
2. Create user-friendly web app for easy access
3. Visualize liver function metrics (bilirubin, albumin, etc.)
4. Deploy app using Flask for local testing
5. Add future features: PDF export, patient history, cloud hosting

**Step 3: Prioritize Ideas**

* ML Model: High Impact, High Feasibility – Top Priority
* Web App UI: High Impact, Medium Feasibility – Top Priority
* Visualization: Medium Impact, High Feasibility – Medium Priority
* Cloud Deploy: High Impact, Low Feasibility – Later
* History Log: Medium Impact, Medium Feasibility – Later