Ideation Phase
Brainstorm & Idea Prioritization Template

Date	1 JUNE 2025
Team ID	LTVIP2025TMID33932
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques
Maximum Marks	4 Marks

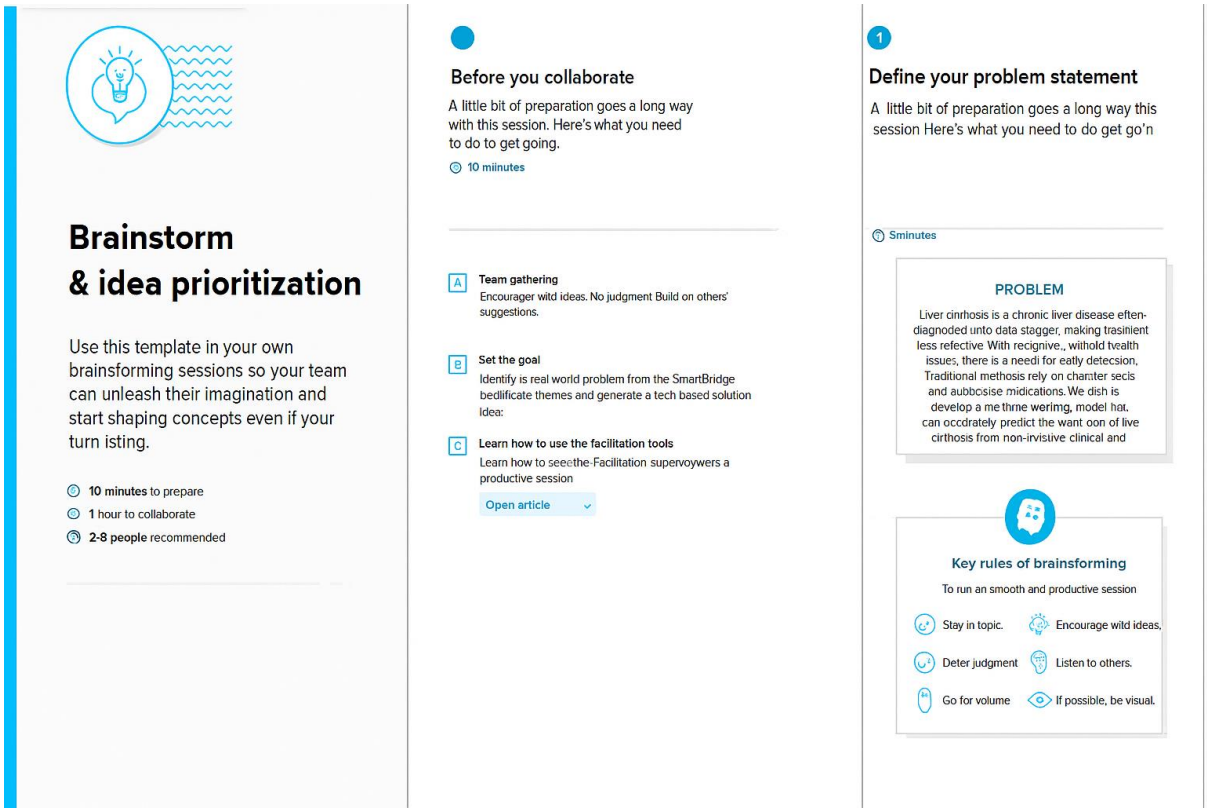
Brainstorm & Idea Prioritization Template:

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.

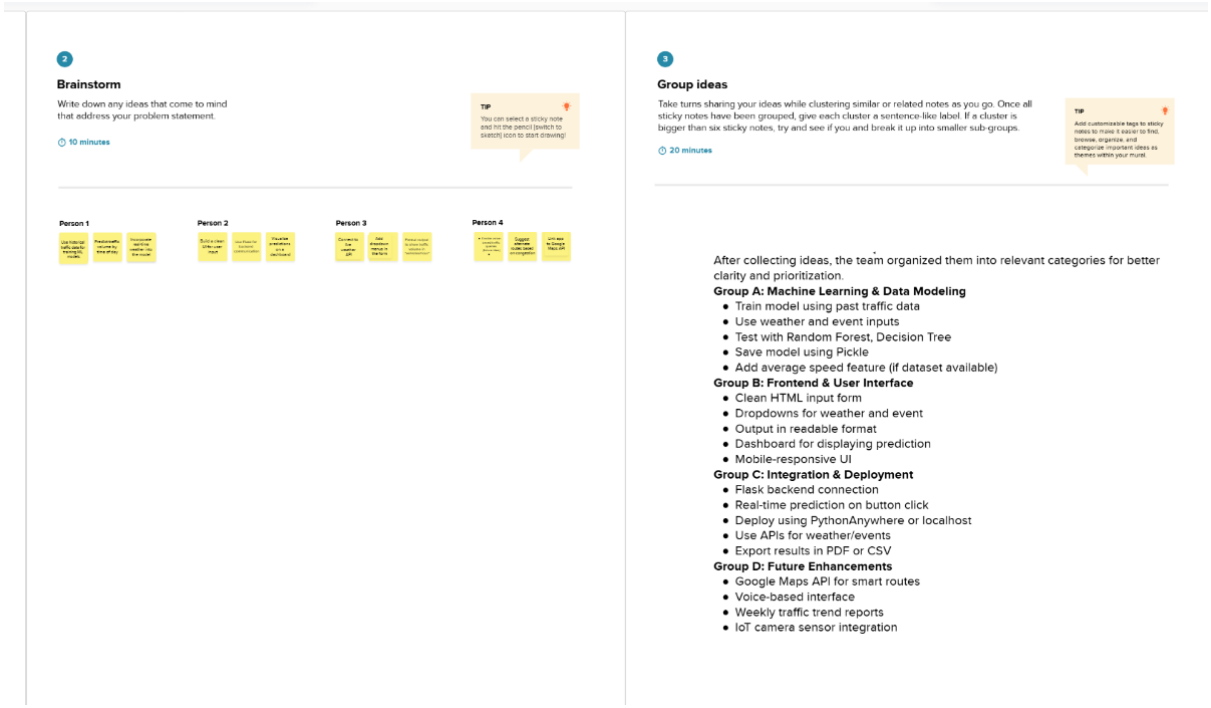
Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

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

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



Step-2: Brainstorm, Idea Listing and Grouping



After collecting ideas, the team organized them into relevant categories for better clarity and prioritization.

Group A: Machine Learning & Data Modeling
- Train model using past traffic data
- Use weather and event inputs
- Test with Random Forest, Decision Tree
- Save model using Pickle
- Add average speed feature (if dataset available)

Group B: Frontend & User Interface
- Clean HTML input form
- Dropdowns for weather and event
- Output in readable format
- Dashboard for displaying prediction
- Mobile-responsive UI

Group C: Integration & Deployment
- Flask backend connection
- Real-time prediction on button click
- Deploy using PythonAnywhere or localhost
- Use APIs for weather/events
- Export results in PDF or CSV

Group D: Future Enhancements
- Google Maps API for smart routes
- Voice-based interface
- Weekly traffic trend reports
- IoT camera sensor integration

Step-3: Idea Prioritization