Ideation Phase Brainstorm & Idea Prioritization

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| Date | 9 February 2025 |
| Team ID | SWTID1744456946 |
| Project Name | MediBoard |
| 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.

# Brainstorming

Using collaborative brainstorming sessions and whiteboarding techniques, we generated various ideas to improve the overall user and artist experience.

Step-1: Team Gathering, Collaboration, and Problem Statement Selection

During the initial team discussion, we identified a significant problem in the healthcare appointment system: patients face long queues and a lack of transparency in doctor availability, while doctors struggle with appointment management and time tracking.

Selected Problem Statement:

"I am a patient trying to book a doctor’s appointment conveniently, but I face long wait times and inconsistent availability, which makes me feel frustrated and causes delays in treatment."

This was chosen because it represents a *real and urgent* need across both urban and semi- urban populations, and solving it would positively impact both patients and doctors.

Step-2: Brainstorm, Idea Listing, and Grouping

We conducted a team brainstorming session and listed all possible features and solutions that could solve the identified problem. Ideas were grouped into 4 major themes:

## Patient-Centric Features

* + User-friendly appointment booking form
  + Doctor availability calendar
  + Notification alerts/reminders
  + Search/filter doctors by specialization/location

## Doctor Dashboard Features

* + Accept/reject appointments
  + Manage schedule and availability
  + View patient history and upcoming appointments

## Admin Panel

* + Manage doctor verification
  + User management
  + Site activity logs

## Technical Enhancements

* + JWT-based authentication
  + MongoDB for cloud data storage
  + Tailwind for clean and responsive UI
  + Email integration for booking confirmations

Step-3: Idea Prioritization

We categorized each idea based on **Impact** and **Feasibility** (High, Medium, Low):

|  |  |  |  |
| --- | --- | --- | --- |
| **Feature/Idea** | **Impact** | **Feasibility** | **Priority** |
| **Appointment Booking System** | **High** | **High** | **Top** |
| **Doctor Availability Management** | **High** | **High** | **Top** |
| **Admin Verification Panel** | **Medium** | **Medium** | **Top** |
| **Notification System (Email/SMS)** | **High** | **Medium** | **Next** |
| **Calendar Integration (Google, etc.)** | **Medium** | **Low** | **Later** |
| **Patient Feedback/Rating System** | **Medium** | **Medium** | **Next** |
| **AI-based Recommendation for Doctors** | **High** | **Low** | **Future R&D** |

Our brainstorming session helped align the team around the most critical user needs, which allowed us to prioritize the features that offer maximum value within our timeline. The MVP (Minimum Viable Product) focused on user authentication, appointment booking, doctor management, and admin approval workflows.