Ideation Phase
Brainstorm & Idea Prioritization

Date	6th February 2025
Team ID	SWUID20250152937
Project Name	DocSync
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming creates an open and free-flowing environment that motivates every team member to engage in the creative thinking process aimed at solving problems. Focusing on quantity over quality, unconventional ideas are encouraged, expanded upon, and welcomed. Participants are urged to collaborate, helping one another grow a wide range of inventive solutions. Use this template during your brainstorming sessions to spark creativity and start developing ideas — even when your team isn't physically together.

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 schedule a doctor's appointment easily, but I often encounter long waiting periods and irregular availability, which leaves me feeling frustrated and results in delayed treatment."

This issue was selected because it highlights a genuine and pressing need among both urban and semi-urban communities. Addressing it would bring significant benefits to both patients and healthcare providers.

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:

1. Patient-Centric Features

- User-friendly appointment booking form
- Doctor availability calendar
- Notification alerts/reminders

- Search/filter doctors by specialization/location

2. Doctor Dashboard Features

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

3. Admin Panel

- Manage doctor verification
- User management
- Site activity logs

4. 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.