**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| **Date** | 27 JUNE 2025 |
| **Team ID** | LTVIP2025TMID57021 |
| **Project Name** | DocSpot-Seamless-Appointment-Booking-For-Health |
| **Maximum Marks** | 4 Marks |

**Brainstorm & Idea Prioritization Template:**

The following document outlines the ideation and prioritization process used by the team to conceptualize and define the scope of the "DocSpot" project. The process encourages creative thinking and ensures that development efforts are focused on the most valuable and feasible features.

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

**Team Gathering & Collaboration:**  
The team, consisting of Gumpena Hima Vardhini, Gogireddy Gowthami, Chitteti Josh Kumar, and Peddi Ananth Krishna, gathered to define the project's core purpose. The session followed key brainstorming rules, such as encouraging all ideas, avoiding judgment, and building upon each other's concepts to foster a creative environment.

**Defining the Problem Statement:**  
After discussion, the team defined the central problem the project would solve:

*"The conventional process of finding and booking medical appointments is often inefficient, fragmented, and lacks a modern, centralized digital platform. This creates frustration for patients and administrative burdens for healthcare providers."*

This statement guided the entire project, ensuring all subsequent ideas directly addressed this core challenge.

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

**Brainstorming & Idea Listing:**  
The team conducted a brainstorming session to generate a comprehensive list of potential features for the "DocSpot" application. All ideas were recorded without initial filtering:

* User registration and login
* Secure user authentication (JWT)
* Search for doctors by specialization
* View detailed doctor profiles
* Real-time appointment booking calendar
* Patient dashboard to view/manage appointments
* Doctor dashboard to manage schedules
* Cancel or reschedule appointments
* Responsive UI for mobile and desktop
* Admin panel for system management
* Real-time video consultation feature
* AI-driven doctor recommendations
* Patient medical history management
* Online prescription management
* Dedicated mobile apps (iOS/Android)
* Integration of a payment gateway

**Grouping Ideas:**  
The brainstormed ideas were then organized into logical clusters to better understand the project's components:

* **Cluster 1: Core Patient Features**
  + User Authentication (Register, Login)
  + Doctor Search & Profile View
  + Appointment Booking & Management
  + Patient Dashboard
* **Cluster 2: Core Doctor Features**
  + Doctor Dashboard
  + Schedule & Appointment Management
* **Cluster 3: Core Technology**
  + MERN Stack (MongoDB, Express, React, Node.js)
  + JWT for Security
  + Responsive Design
* **Cluster 4: Future Enhancements**
  + Video Consultations
  + AI Recommendations
  + Mobile Applications
  + Prescription & History Management

**Step-3: Idea Prioritization**

Using an **Importance vs. Feasibility** matrix, the team prioritized the grouped features to define the project's scope for the initial development phase (Minimum Viable Product).

* **High Importance / High Feasibility (Implement First - MVP):**  
  These features formed the core of the "DocSpot" application. They deliver high value to users and were technically achievable within the project timeline using the MERN stack.
  + **Features:** User Authentication, Doctor Search, Appointment Booking System, Patient & Doctor Dashboards, Responsive UI.
* **High Importance / Low Feasibility (Plan for Future):**  
  These features are highly desirable but require more time, resources, or complex technology. They were scheduled as "Future Enhancements."
  + **Features:** Real-time video consultation, AI-driven recommendations, and dedicated native mobile applications.
* **Low Importance / High Feasibility (Consider if Time Permits):**  
  These were minor "nice-to-have" features that could be easily implemented but were not critical to the core problem. Examples include advanced profile customization or multiple UI themes. These were deprioritized to maintain focus on the MVP.
* **Low Importance / Low Feasibility (Deprioritize):**  
  Ideas in this quadrant were set aside as they offered minimal value and were difficult to implement, ensuring the team's efforts were not wasted.