

# Ideation Phase

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|---------------|--------------------|
| Date          | 26 June 2025       |
| Team ID       | LTVIP2025TMID58800 |
| Project Name  | Docspot            |
| Maximum Marks | 4 Marks            |

## Step 1: Team Gathering, Collaboration and Selecting the Problem Statement

The team discussed the inefficiencies in current healthcare appointment systems. Common pain points included:

- Long waiting times
- Manual scheduling issues
- Lack of real-time updates
- Poor coordination between patients and doctors

These factors significantly impact patient satisfaction and overall operational efficiency in clinics and hospitals.

### Selected Problem Statement:

*Manual appointment scheduling is leading to delays, miscommunication, and poor patient experience in healthcare services.*

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## Step 2: Idea Listing and Grouping

### Ideas Generated:

- Automate appointment scheduling based on doctor availability.
- Integrate calendar view for real-time booking and updates.

- Enable virtual consultation through telehealth.
- Role-based access for doctors, patients, and admins.
- Add SMS/email notifications for reminders.
- Use secure login (JWT/OAuth) and encrypted health data handling.

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### **Grouped Ideas:**

| Group | Ideas |
|-------|-------|
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| Automation | Auto-scheduling, trigger-based reminders |
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|           |                                       |
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| Structure | Role-based user system, calendar sync |
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| Security | JWT authentication, OAuth login, encrypted data |
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| Scalability | Modular design, cloud deployment, database indexing |
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### **Step 3: Idea Prioritization**

| Idea                               | Impact | Feasibility | Priority  |
|------------------------------------|--------|-------------|-----------|
| Auto-scheduling system             | High   | High        | Top       |
| Role-based user & calendar sync    | High   | Medium      | Top       |
| Notification/reminder system       | Medium | High        | Top       |
| Secure login & health data storage | Medium | Medium      | Medium    |
| Manual call-based booking          | Low    | High        | Discarded |

