**Project Design Phase**

**Problem – Solution**

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| Date | 26-06-2025 |
| Team ID | LTVIP2025TMID59498 |
| Project Name | DocSpot |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit Overview:**

The Problem–Solution Fit ensures that DocSpot effectively tackles the challenges in appointment booking faced by both patients and healthcare providers. This validation is essential before expanding the platform.

**Purpose:**

* Simplify and streamline the appointment booking process.
* Provide a centralized platform for schedule management to avoid conflicts and delays.
* Enhance patient access to timely healthcare services through smart search and booking.
* Improve communication via reminders to reduce no-shows and cancellations.

### **Problem Statement:**

**Patients and healthcare providers face challenges such as:**

* Complex and time-consuming appointment booking.
* Lack of centralized scheduling causing overlaps and missed appointments.
* Poor communication and reminder systems leading to high no-show rates.
* Difficulty in quickly finding available doctors or specialists.
* Managing appointments across multiple platforms or clinics is inconvenient.

### **Solution:**

**DocSpot offers a seamless appointment booking platform with:**

* Easy search and booking using filters like specialty, location, and availability.
* Real-time calendar management for providers to optimize schedules.
* Automated reminders and notifications to reduce no-shows.
* Secure patient profiles with appointment history and preferences.
* Telehealth integration for virtual consultations.
* Admin controls for managing providers, appointments, and report**ing.**