**Project Design Phase**

**Problem – Solution Fit Template**

| Date | 30 August 2025 |
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| Team ID | LTVIP2025TMID60971 |
| Project Name | DocSpot: Seamless Appointment Booking for Health |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit Overview:**

The Problem–Solution Fit ensures that the DocSpot platform addresses key gaps in healthcare appointment booking and aligns with the real needs of patients, doctors, and clinic administrators. This validation is critical before scaling the platform.

**Purpose:**

 Bridge the gap between patients seeking timely healthcare and doctors managing schedules.

 Offer a unified platform that handles booking, rescheduling, cancellations, and reminders.

 Enable secure patient data handling and compliance with privacy standards.

 Provide visibility of doctor availability in real-time to reduce waiting times.

 Improve healthcare efficiency and patient satisfaction through digital convenience.

### **Problem Statement:**

Patients, doctors, and clinic administrators face challenges such as:

* Manual booking via phone calls leading to delays and errors.
* Lack of real-time visibility of doctor availability.
* Missed appointments due to absence of reminders.
* Double-bookings or overlapping schedules for doctors.
* Overloaded staff handling multiple calls and paper logs.

### **Solution:**

**DocSpot**, a modern healthcare appointment management system, offers:

* End-to-end appointment management including booking, rescheduling, and cancellations.
* Real-time doctor availability and scheduling system.
* Automated reminders via SMS/Email to reduce no-shows.
* Secure patient data management with encryption and compliance.
* Doctor and admin dashboards for efficient scheduling and monitoring.
* Future-ready features like teleconsultation and integration with hospital systems.