**Project Design Phase**

**Problem – Solution Fit**

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| --- | --- |
| Date | 29-11-2025 |
| Team ID |  |
| Project Name | DocSpot |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit Overview:**

The Problem–Solution Fit ensures that the **Doctor Appointment Booking System** addresses the real medical appointment challenges faced by **patients, doctors, and hospital administration**.  
This validation ensures that the platform solves a **real healthcare need** before expanding with more features

**Purpose:**

* Make it easier for patients to **find suitable doctors and book appointments quickly**
* Provide **real-time doctor availability** and consultation mode options
* Offer a **secure platform** for online consultations and digital prescriptions
* Maintain a **central record** of medical history and past consultations
* Enable doctors to **manage schedules & appointments efficiently**
* Reduce hospital workload and long waiting queues through **automation**

Problem Statement:

Patients and healthcare providers face major issues such as:  
 • Difficulty locating the right doctor based on specialization  
 • Long waiting times for booking or consultation  
 • Lack of real-time availability of doctors  
 • No unified digital system for medical history and prescriptions  
 • Manual management causes errors and overlapping schedules  
 • Poor patient experience due to delays and unclear communication

Solution:

**DocSpot** — A smart doctor appointment booking platform that offers:

• Easy search and booking of consultations (online or offline)  
• Real-time doctor availability display  
• Secure online payments and automated appointment confirmation  
• Patient history, prescriptions, and reports stored digitally  
• Doctor dashboard for managing schedules and appointments  
• Responsive UI for mobile and desktop use  
• Notifications for appointment reminders and status updates