Project Design Phase
Solution Architecture

Date	22 -06-2025
Team ID	LTVIP2025TMID53269
Project Name	DocSpot: Seamless Appointment Booking for Health
Maximum Marks	4 Marks

Solution Architecture:

DocSpot aims to deliver a **simple, secure, and scalable** platform that connects patients and healthcare providers, making the appointment booking process seamless and efficient for all users.

- Easy and Fast Appointment Booking

- Comprehensive Patient Management

- Robust Authentication and Authorization

- Secure Payment Processing with Tracking

- Real-Time Communication and Alerts

Example - Solution Architecture Diagram:

```
                Patient (Web / App)                                    Doctor / Admin


                                        API Gateway / Load Balancer


        Appointment Service                  Doctor Service                  Admin Dashboard


                    Notification Service              Payment Gateway


                                        Video Call / Chat Service


                                        Database Layer (SQL + NoSQL)


                                        Cloud Hosting (AWS / GCP)
```