

## Project Design Phase Solution Architecture

Date	3 December 2025
Team ID	
Project Name	Medifolio - Doctor Appointment Booking System
Maximum Marks	4 Marks

### Solution Architecture:

The solution architecture for the Doctor Appointment Booking System is designed to provide a smooth, secure, and efficient experience for patients, doctors, and admins. The platform focuses on real-time appointment management, easy doctor discovery, secure authentication, and centralized data storage to ensure reliability and scalability.

### Key Architecture Principles

- Smooth doctor discovery and appointment booking
- Secure user/admin authentication
- Real-time notifications for appointment status
- Centralized database for consistent data access
- Scalable backend services for growing users
- Simple UI for all roles: User, Doctor, Admin

### Example - Solution Architecture Diagram:

