Proposed Solution Template

Project: Book a Doctor  
  
Proposed Solution:  
Our proposed system is a MERN-based Doctor Appointment Booking Web App. It allows:  
- Patients to sign up, log in, and search for available doctors by specialization, location, or name.  
- Patients to book appointments and receive confirmations.  
- Doctors to manage their profile, available time slots, and view appointments.  
- Admins to manage both patients and doctors and generate insights.  
  
The application includes responsive design for mobile devices, form validations, secure authentication, role-based access control, and CRUD operations for doctors and appointments.  
  
Benefits:  
- Reduces administrative overhead in clinics  
- Improves user experience for patients  
- Facilitates faster and more accurate appointment handling  
  
Scalability:  
The system is built using scalable technologies and can easily be extended to include features like:  
- Video consultations  
- Payment gateway integration  
- Chat between patients and doctors