

Title: Project Abstract – DocSpot: Seamless Appointment Booking for Health

Abstract

DocSpot is a full-stack web application designed to simplify the healthcare appointment process by enabling users to schedule doctor visits online. The platform features separate dashboards for patients, doctors, and admins, ensuring role-specific access and functionality.

Built using React.js on the frontend and Node.js + Express on the backend, with MongoDB as the database, DocSpot ensures secure, real-time, and scalable appointment handling.

Key Features

- Easy registration for patients and doctors
- Doctor filtering by specialization and availability
- Booking system with real-time appointment slots
- Admin dashboard for governance and doctor approval
- Doctor portal to manage schedules and appointments

Technologies Used

- Frontend: React.js, Axios, Bootstrap, Material UI
- Backend: Node.js, Express.js
- Database: MongoDB
- Architecture: REST API-based client-server model

Project Outcome

DocSpot enables healthcare access to be more organized and user-centric. It reduces waiting time, improves operational efficiency for clinics, and empowers users with transparent booking options.