



# **HOSPITAL MANAGEMENT SYSTEM**

# **TEAM GUIDE**

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## **TEAM MEMBERS:**

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# ABSTRACT

The Hospital Management System is an integrated platform designed to streamline hospital operations, improve patient care, and enhance administrative efficiency. Patients register on the portal, book appointments, and receive notifications for medications and test recommendations. Doctors access and update patient records, manage prescriptions, and monitor health data during hospital stays. Unique QR-coded bills simplify payments for pharmacy, tests, and hospital services. Customized dashboards provide insights for patients, pharmacies, doctors, and test centers, supporting informed decision-making and efficient management.



# TECHNOLOGIES USED

## FRONTEND

HTML  
CSS  
JAVASCRIPT

## DATABASE

MySQL

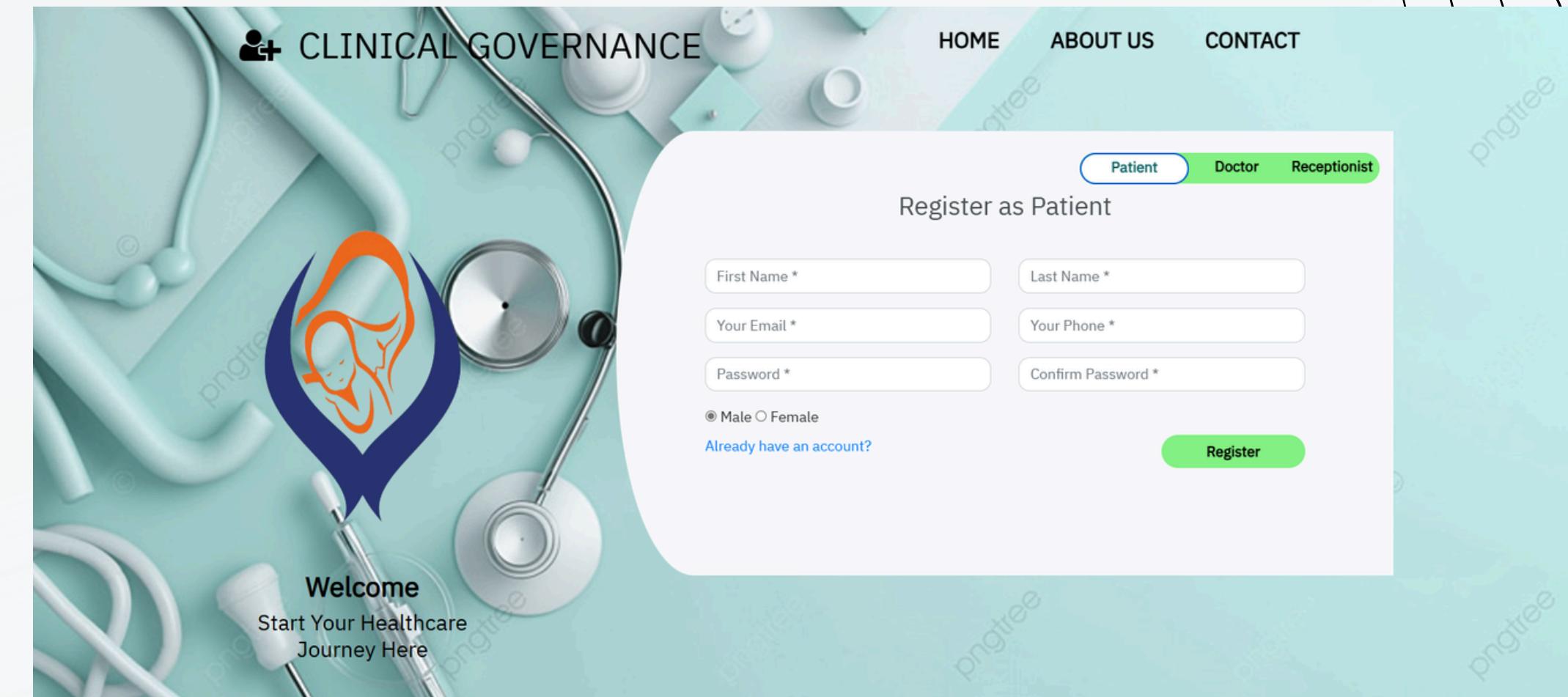
## BACKEND

PHP  
XAMAPP



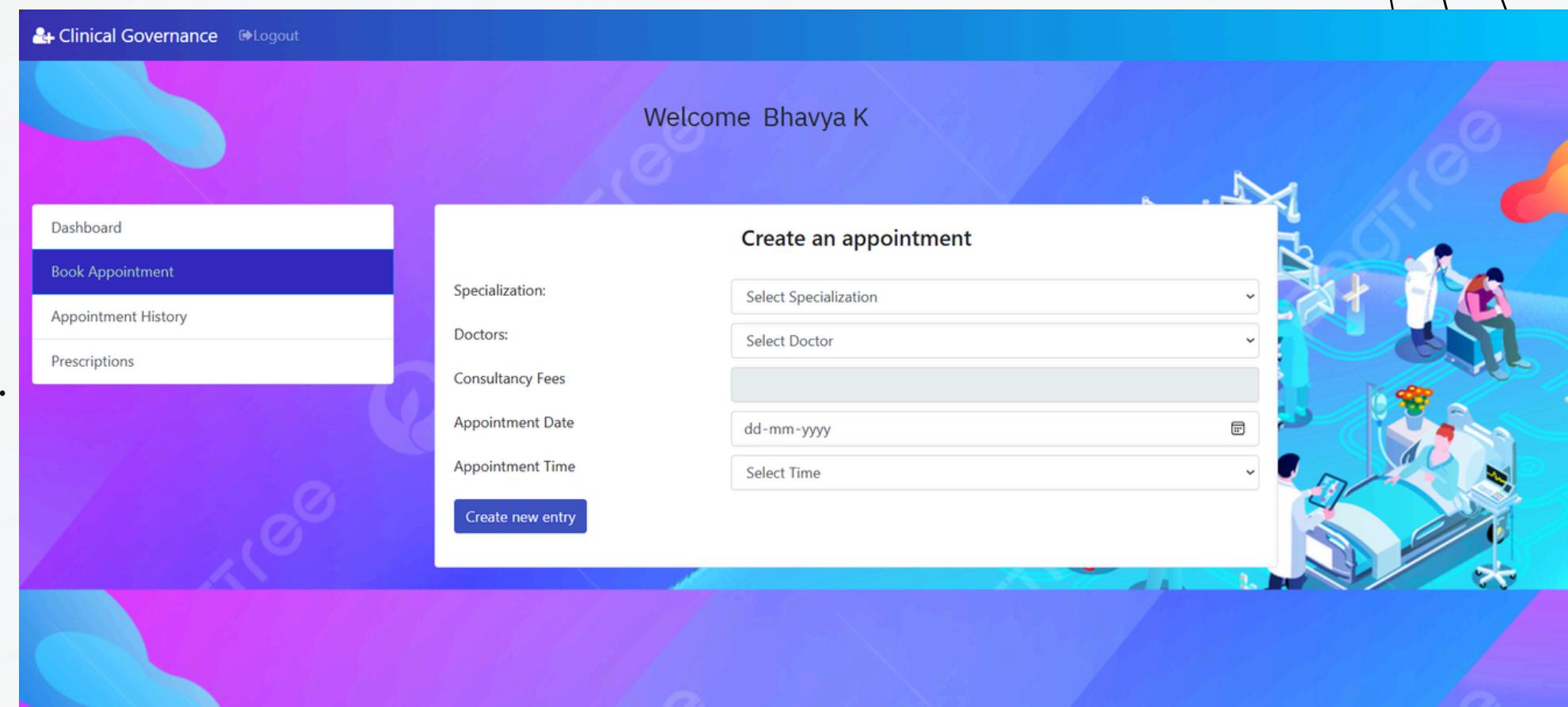
# PATIENT REGISTRATION

- New patients can seamlessly register through the hospital portal, creating a secure and personalized profile.
- The system collects essential details like name, contact information, medical history, and insurance details, ensuring streamlined access to hospital services.
- Once registered, patients can log in to book appointments, access their medical records, and receive notifications.



# APPOINTMENT BOOKING

- Patients can log in to the hospital portal and view a list of available doctors, categorized by specialization, experience, and consultation hours.
- The system displays real-time availability, enabling patients to select preferred appointment slots based on their convenience.
- A search feature allows patients to filter doctors by name, department, or specific health conditions.
- Rescheduling or canceling appointments can also be done seamlessly through the portal, ensuring flexibility for patients.

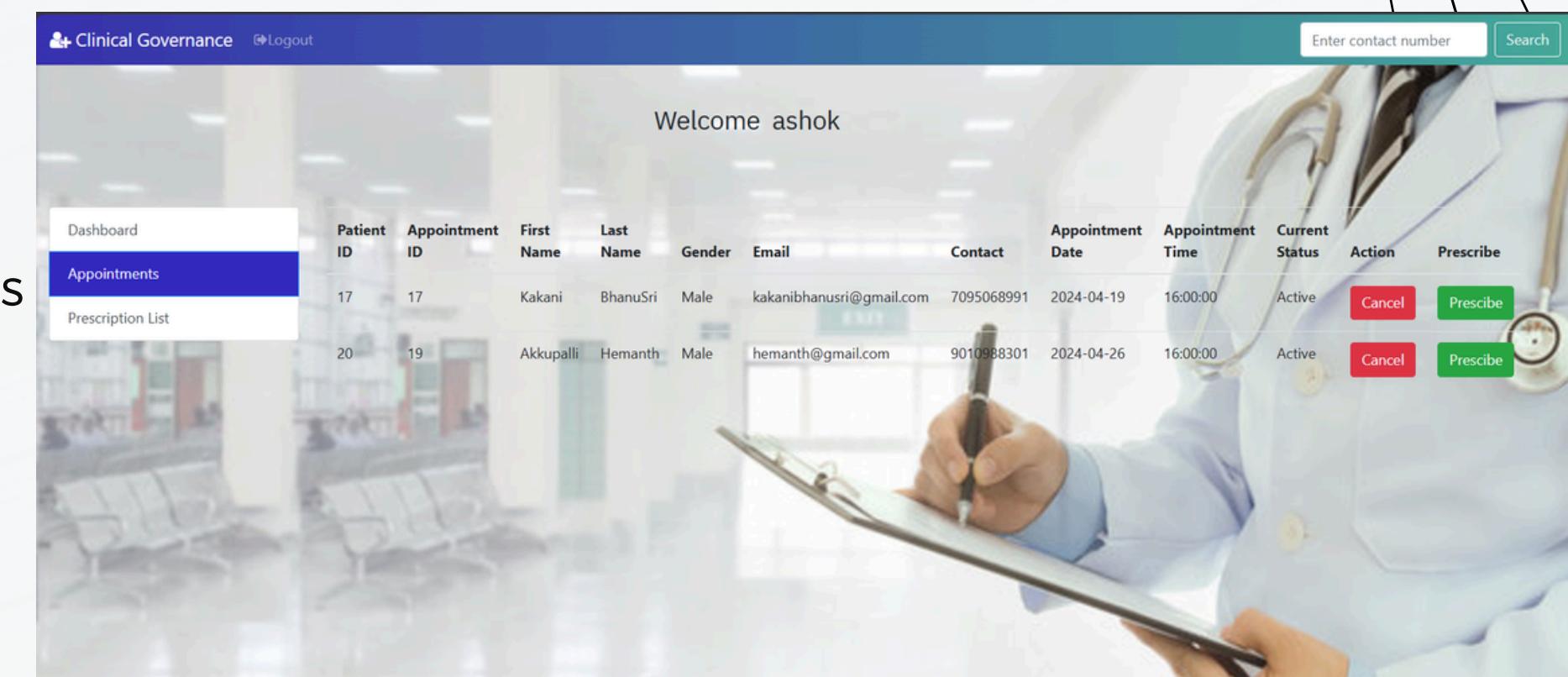


# DOCTOR-PATIENT INTERACTION

## (PRESCRIPTION)

Doctors can:

- View Patient Profiles: Gain insights into the patient's medical history, past diagnoses, and treatments.
- Access Scanned Reports: Review uploaded lab reports, prescriptions, and diagnostic results.
- Prescribe Medications: Directly send prescriptions to the hospital pharmacy, ensuring faster processing and notifications to the patient.
- Record New Health Data: Update patient health conditions and ongoing treatment plans after consultations.
- The dashboard integrates real-time updates, ensuring that doctors have the most current patient information at their fingertips.
- Features like search filters and patient prioritization streamline consultation management for optimal efficiency.



# MANAGING DOCTORS

- The system automates test scheduling and communication between doctors, patients, and test centers for better coordination.
- Automatic Test Assignments: When a doctor orders tests (e.g., blood tests, X-rays, or scans), the details are sent directly to the appropriate test center within the hospital.
- Real-Time Updates: The system allows test center staff to update the status of tests (e.g., In Progress, Completed), which is visible on the patient's portal.
- Test Results Integration: Once tests are complete, results are automatically uploaded to the system for access by both doctors and patients.
- Efficiency: This eliminates manual paperwork and ensures timely test execution and result delivery, improving overall hospital workflow.

Clinical Governance Logout

WELCOME RECEPTIONIST

Doctor Name:

Specialization:

Email ID:

Password:

Confirm Password:

Consultancy Fees:

Add Doctor

Dashboard

Doctor List

Patient List

Appointment Details

Prescription List

Add Doctor

Delete Doctor

Queries

Clinical Governance Logout

WELCOME RECEPTIONIST

Email ID:

Delete Doctor

Dashboard

Doctor List

Patient List

Appointment Details

Prescription List

Add Doctor

Delete Doctor

Queries

# APPOINTMENT TRACKING

- Comprehensive Monitoring: The system tracks patient health status from the moment of admission, ensuring a clear record of treatments and progress.
- Real-Time Updates: All medical procedures, treatments, and medications administered during the hospital stay are recorded in real time, accessible to doctors, nurses, and administrative staff.
- Coordination Across Departments: Information is seamlessly shared between departments like nursing, pharmacy, and diagnostics, ensuring timely care.
- Discharge Summary: A detailed report of the patient's stay, including all treatments and billing details, is generated automatically at the time of discharge.

The screenshot shows a software interface titled "Clinical Governance" with a "Logout" button. The main header says "WELCOME RECEPTIONIST". On the left, there is a sidebar with links: "Dashboard", "Doctor List", "Patient List", "Appointment Details" (which is highlighted in blue), "Prescription List", "Add Doctor", "Delete Doctor", and "Queries". To the right, there is a search bar with "Enter Contact" and a "Search" button. Below the search bar is a table listing appointments:

Appointment ID	Patient ID	First Name	Last Name	Gender	Email	Contact	Doctor Name	Consultancy Fees	Appointment Date	Appointment Time	Appointment Status
14	16	Kakani	BhanuSri	Female	kakanibhanusri@gmail.com	7095068991	Dinesh	700	2024-03-15	16:00:00	Cancelled by Patient
15	16	Kakani	BhanuSri	Female	kakanibhanusri@gmail.com	7095068991	Ganesh	550	2024-03-15	16:00:00	Active
16	16	Kakani	BhanuSri	Female	kakanibhanusri@gmail.com	7095068991	Abbis	1500	2024-03-22	16:00:00	Active
17	17	Kakani	BhanuSri	Male	kakanibhanusri@gmail.com	7095068991	ashok	500	2024-04-19	16:00:00	Active
18	17	Kakani	BhanuSri	Male	kakanibhanusri@gmail.com	7095068991	Amit	1000	2024-04-20	12:00:00	Active
19	20	Akkupalli	Hemanth	Male	hemanth@gmail.com	9010988301	ashok	500	2024-04-26	16:00:00	Active

# CONCLUSION

- Streamlined Operations: This Hospital Management System significantly improves hospital efficiency by automating core processes, minimizing manual intervention, and reducing the chances of errors.
- Enhanced Patient Care: From seamless registration to real-time notifications and comprehensive medical record management, the system ensures a superior patient experience.
- Holistic Integration: Brings together patients, doctors, pharmacies, test centers, and administrative teams on a unified platform, fostering collaboration and coordination.
- User-Friendly Interface: The system is designed to be intuitive and easy to navigate, ensuring accessibility for all users, including non-technical stakeholders.
- Impact: By reducing wait times, enhancing communication, and streamlining billing and payments, the system transforms hospital management into a hassle-free process for both patients and staff.