Topic: E-HOSPITALITY

The E-Hospitality is a multifaceted solution tailored to meet the distinct needs of patients, administrators, and medical professionals within healthcare facilities. It integrates patient care, administrative tasks, and clinical operations into a cohesive platform, fostering efficiency, communication, and quality of care. The system comprises dedicated modules for patients, administrators, and doctors, each offering specialized functionalities to support their respective roles within the healthcare ecosystem.

Technologies used:

Front-End: HTML, CSS, JavaScript, Bootstrap

Back-End: Python, Django, MySQL or PostgreSQL

Deployment: Pythonanywhere

Modules:

Patient Module:

Patient Registration: Enables patients to register their demographic information securely.

Appointment Booking: Allows patients to schedule, reschedule, or cancel appointments with healthcare providers based on availability.

Medical History: Provides patients access to their medical records, including diagnoses, medications, allergies, and treatment history.

Billing and Payments: Enables patients to view and manage billing statements, make payments securely, and access insurance information.

Health Education Resources: Offers access to educational materials, health tips, and resources to promote wellness and disease prevention.

Admin Module:

User Management: Allows administrators to manage user accounts, permissions, and access levels within the system.

Facility Management: Facilitates management of healthcare facility details, including locations, departments, and resources.

Appointment Management: Provides tools for scheduling, coordinating, and managing appointments across departments and healthcare providers.

Doctor Module:

Patient Management: Provides access to patient records, medical histories, and treatment plans, facilitating informed decision-making.

Appointment Schedule: Displays doctor's schedule, appointment details, and patient information for efficient time management.

E-Prescribing: Enables doctors to electronically prescribe medications, check for drug interactions, and send prescriptions directly to pharmacies.