1.The Idea:

(Emergency management system)

2.Target Customer:

Hospital Administrators and Executives:

Hospital Department Heads:

Patient Services

3. Problem Statement

Our system aims to assist hospital owners(admins) and staff in organizing and managing the emergency movement in hospital

4. Solution

Our system aims to assist hospital owners(admins) and staff in organizing and managing the emergency movement in the best way that leads to amazing results such as: - Eliminate crowding in the emergency department. - Ease of communication between doctors through the mobile application. - Create records that contain the data of each patient completely. - Creating important statistics and reports that help hospital owners in making decisions. - The ability to predict the daily turnout of the number of patients.

5. Features and Functions

1- The administrative dashboard (where it is used by the hospital director - the emergency department receptionist - the Super Admin) : -

* When we talk about the receptionist, we find that through the admin. dashboard, he can add all patient data and all data related to this patient's visit from the moment he entered the hospital until he was discharged from it . As a result, there is a complete record for every patient in the hospital.

* As for the admin : through the administrative dashboard, he can:

1 - Adding data for all departments in the hospital , as well as modifying or deleting them .

 2 - Adding specializations for all hospital staff , as well as modifying and deleting them .

3 - Adding the data of all the hospital staff and choosing the department for each of them as well as modifying or deleting them .

 4 - Predicting the daily turnout for the number of patients based on entering the date of a specific day, through machine learning model.

5 - Create a complete report that includes all the data that helps the hospital owner in making decisions . 6 - Access to all statistics that serve as a complete monitoring system.

6. Site Structure

1- Home Page:

- Welcome message and brief overview of the Emergency Management System.

- Highlight key features and benefits.

- Call-to-action buttons for hospital administrators, department heads, and patient services to log in.

2- Login Page:

- Separate login portals for hospital administrators, department heads, and patient services.

3- Administrator Dashboard:

1. **Patient Management:**

   - Add patient data and visit details.

   - Complete patient records accessible for reference.

   - Manage patient admissions and discharges.

2. **Department Management:**

   - Add, modify, or delete data for all hospital departments.

   - View department-specific statistics.

3. **Staff Management:**

   - Add, modify, or delete staff data.

   - Assign staff to specific departments and roles.

   - Manage staff specializations.

Receptionist Dashboard:

1. **Patient Data Entry:**

   - Add patient information and visit details.

   - Update patient records.

2. **Records Management:**

   - View and manage patient records.

   - Track patient movement within the hospital.

Super Admin Dashboard:

1. **System-wide Management:**

   - Oversee and manage the entire Emergency Management System.

   - Super admin privileges for system configurations.

2. **User Management:**

   - Manage user accounts and access permissions.

   - Monitor system usage.

Contact Page:

- Contact information for support or inquiries.

- Feedback and suggestion form.

About Us Page:

- Information about the development team and the purpose of the Emergency Management System.

7. Additional Features

Predictive Analysis Page:
- Input form for date selection to predict daily patient turnout.
- Display predictions and insights.