**National University of Computer and Emerging Sciences**



Database Project Proposal

**Hospital Management System**

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CL219 Database Systems Lab

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Department of Computer Science

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# Introduction

This website is going to be a platform where you can manage all hospital related queries; database will include data for doctors and patients. The website will allocate patients to doctors and assign patients rooms.

# Functionalities

The following section contains all the functionalities proposed for this project.

## Sign up (Patient/Doctor)

The patient will register on the website with its credentials. Same goes for the doctor

## Log in (Patient/Doctor)

Patient and doctors will be able to log in.

## Profile editing

Both Patients and Doctors will be able to edit their profiles as to change their credentials and profile pictures etc...

## Relevant Doctor Search

Patients can search doctors by name and also by the degree they have

## Rating

Doctors with highest degree will be shown, their rating will be determined by their degree as well as patient satisfaction

## Cost for treatments

For every treatment, cost will be shown to the patient.

## Catalogue

This catalogue will be able to display all our database to the patients

## Room assigns

Patients will be assigned rooms of the hospital and they will be able to book rooms in hospital.

## Book an appointment

Patients can book an appointment with a doctor with available working hours.

## Laboratory and Testing

Patients can look at testing facilities available and book for testing.

## Patient Diagnosis

It will view the patient’s health condition. Their current diagnosis, test results, medical history and the ongoing treatment.

## Operation schedule

It will include day of operation and doctor who's going to operate.