NORTH SOUTH UNIVERSITY
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

PROJECT PROPOSAL

"HOSPITAL MANAGEMENT SYSTEM"

DATABASE SYSTEM LAB
CSE311L
SECTION: 4

SEMESTER: SUMMER-2021

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Submission Date : 12th July 2021

Introduction

Most hospitals in Bangladesh have a poor infrastructure and lack resources which is why they provide an unsatisfactory service usually. This project aims to deliver a management system which will provide better quality services . The objective is to create a functional and effective management system which offers the patient appropriate treatment based on their requirement and also evaluate the number of doctors available in the hospital.

Objective

- To know about the number of doctors available in the hospital from home.

- To know about the profile of every doctors available in that hospital from anywhere online..

- To know about the patients like his /her problems,bed number etc.

- There will be a search option to find specific patient from out program.

- There will another search bar to find any specific doctor.

Target Clients:

- Doctor: the number and profiles of doctor will be provided in order to check the availability of doctors in a hospital.

- Patient: all the records of the patients shall be up to date which includes their personal information like particulars of the patient, their blood group , diagnosis, ongoing treatment , prognosis and plan of further treatment . This database allows easy access to the patients history so that their doctor can easily review it and make necessary changes.

Value Proposition

This project will allow a balanced doctor patient ratio and an effective management system. Therefore there will be fast and effective management of patients and avoid any delay in delivery of services. The goal is also to provide service of better quality .

Web Application Feature and description

The web page will open with the customer view at first. It will be general view
and anyone accessing the domain will be able to view it. This view will show
all the doctors available for appointments. Client has to create an account first to
take appointments and view any patients. Once a client has created an account, he/she can:

- Can check the list of doctors and fix appointments .
- A person can check any specific patients medical profile.
- Access history of their past travels.
- A person can search for doctors or any specific patients.
- Notifications will be sent to the client for any appointments.

Tools

For this hospital management project we will use the   :

- ✔ python flask
- ✔ My sql database
- ✔ HTML
- ✔ CSS
- ✔ Bootstrap