



Project Idea
CSE 299.7
Junior Design Project
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Group-7

Name	ID
Jannatul Ferdous Eusha	1821801042
Umma Sadia Nasrin Sathi	1812187642
Nushrat Kamrul Zahan	1812387642

Primary Project Idea

Project Name: Smart MediCare

introduction

Recently, the increasing number of hospitals has been an obvious trend in many countries. This is mainly because the need to provide medical services to increasing patients due to various forms of disease. One has to run from one place to another for booking, because they don't know where there are available seats. And during this time many of them lose their lives. Such a scenario needs careful attention from the hospital management system to provide appropriate service to patients. This application will change the way hospitals function. This will bring technology to handle all the movements of the hospital, and the result will be positive and useful for both Hospitals and patients. We have hundreds of apps to book appointments and to consult doctors online, but we have very few apps for Bed Management in hospitals. Thus, Smart MediCare is encouraging the hospitals by helping them in developing a Hospital Bed Management System for smooth flow of Patient inflow and Outflow. Smart Medicare is a process in which, it has a real-time status of all the available beds, to plan for the efficient use of beds.

Project Details

Smart MediCare system is a computerized web application system designed and programmed to deal with everyday operations taking place. The program can show the hospital list, staff list, vacant beds, records and billings. It also maintains information such as ward id, cabin id, CCU id, ICU id, staff in charge and all types of special wards and cabins. The purpose of the project is to show vacant seats in the hospital with hospital lists and location and other important tasks are to ensure efficient health care service by booking for hospital beds. This system develops a user-friendly, simple, fast, time consuming and effective system. The project outlines all the processes followed to come up with an application that is from analysis to testing the system. The project also implements OCR to extract and verify user information.

Objectives

- Provides the support to see the vacancy of the hospitals.
- Provide Safe and secure online reservation.
- Reduce effort and time.
- Minimize the waiting time for patients during an emergency.

Web Application Features

In this study, we will develop an online reservation system of hospitals in Bangladesh by the vacancy data provided by the hospitals. This system can be remotely accessed by users from anywhere, anytime, using internet applications from mobile devices for booking the seats.

Features

- Available seats
- Available ICU
- Seat booking
- ICU requirement filtering
- Admin panel
- User panel

Secondary Project Idea

Project Name: NSU online Covid-19 vaccination for students

Introduction

We'll be making a webpage dedicated for NSU students to complete the total covid-19 vaccination process. Students who are yet to get their national id card can easily use their nsu id number to get their vaccine more easily. Also, it'll be faster for the whole NSU student community to get over the vaccination problem.

Features

- The website will contain registration options for all the NSU who still haven't gotten their vaccination done.
- After registration, student) can log in for further details using their user id and password.
- The date of registration will be stored in the database.
- There will be an admin panel who'll monitor and authorize all data and information of the website. The website will contain information about admins. But only the admins will be able to see that.
- The admin body will have one or more managers who supervise them.
- Admins will have their own login for the website.