American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation
Project Report
Summer 2020-2021

Project Title: Nursing Service System
Section: I

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Nursing Service System

Introduction:

The project Nursing Service system includes registration of patients, storing their details into the system. The system has the facility to give a unique id for every patient and stores the details of every patient and the Nurse automatically. User can search availability of a nurse and the details of a patient using the id.

The Nursing Service System can be entered using a username and password. It is accessible either by an admin or moderator. Only they can add data into the database or into the file. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

We can hire nurse easily using the system in a short time according patients demand.

Background Study

Healthcare especially in the developed world is characterized by rapidly increasing use of information technology in patient care, increasing documentation, coding and billing, and management.
Rise of health information technology worldwide is increasing the efficiency of health service delivery, reducing medical errors, improving quality of care and providing better information for patients and physicians.
The overall goal of the information management function is to obtain, manage, and use information to improve health care and medical services, performance, governance and management and support processes.
The importance of healthcare to individuals and governments and its growing costs to the economy have contributed to the emergence of healthcare as an important area of research for scholars in business and other disciplines.

Requirement Analysis:

1. User Category:

There are 4-types of Users here. They are:
- Admin
- Management
- Nurse
- Patient

Nursing Service System

2. Feature List:

In this project the "Admin" has the following features:
- can view the patient and nurse information
- can update the user wrong information
- can manipulate product information (edit, delete)

In this project the "Patient" has the following features:

- View nurse list and status
- View blood bank status
- View prescription details
- View diagnosis
- Manage own profile

In this project the "Management" has the following features:
- can see all the patient and nurse requirement
- to connect the nurse and patient
- keep recode all the data

In this project the "Nurse" has the following features:

- Manage patient. and updating
- Provide medication according to patient prescription
- Manage blood bank and update status
- Keep record of patient
- Manage own profile

Design:

Draw an entity diagram of your project here.

Tools Used:

To develop this project, we have used the following:
- Xampp
- Git
- Visual Studio Code
- Notepad
- Draw.io
- Apache

System Images against the Specification:

Nursing Service System

Give a screen shot of some GUIs (Midterm project) and write a very small description (Maximum 40 words) for each of the GUIs.

Impact of this Project:

Nursing Management System is a medical informatics solution element that mainly focuses on the nurse administration requirements. Nursing Management System is a web-based or computer application that takes care of the complete nurse functionalities. The integrated system can be customized and are developed to control all operations like patient details, appointment booking, billing, drug management, administration, Patient medical history, nurse details, confirming or canceling booking and so on.

It allows for quick and clear communication between all departments, ensuring that they are all operating effectively and efficiently, saving time and providing a better and more personalized experience for patients and nurse.

Limitations and Possible Future Improvements:

As we know, technology is constantly evolving. Many a time there will be new software's, new upgrades, new way of doing things. In order to keep up with the competitive edge, Nurse has to keep up with such changes. This can be a struggle for some, especially for the older nurse.

While once the nurse has adapted to the new way of work, there comes the next problem. It is not uncommon for a computer system to face technical errors. An informatics system is no exception. When one service is down, others are affected. For example, a patient was rushed into the emergency service. When there is an error while retrieving blood analysis information, the rest of the procedures following it will be delayed. This will cause huge inconveniences, or worse; it may even have adverse effects in the patient's health condition.

Our enhancements should be as follows:

- Make communication a must-have skill.
- Learn everything there is to know about nursing management and remain up to date.
- Attitude that is positive.
- Create a technique for finding best.
- Be a forward-thinking person.
- Make a long-term plan and define objectives.

Nursing Service System

CO1.1 and CO2.1 Evaluation: Project Report Evaluation					
Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)