

# NORTH SOUTH UNIVERSITY



## Department of Electrical & Computer Engineering **SENIOR PROJECT DESIGN REPORT** **EEE/CSE/ETE 499**

*Health care chat-bot hospital management system*

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**Summer-2020**

## ***Declaration***

We take great pleasure in submitting our senior project report on '**Healthcare-chat-bot hospital Management system**'. This report is prepared as a requirement of the Senior Design Project CSE/EEE/ETE 499 which is a two semester long senior design course. This course involves multidisciplinary teams of students who build and test custom designed systems, components or engineering processes. This is to declare that no part of this report or the project has been previously submitted elsewhere for the fulfillment of any other degree or program. Proper acknowledgement has been provided for any material that has been taken from previously published sources in the bibliography section of this report.

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## *Approval*

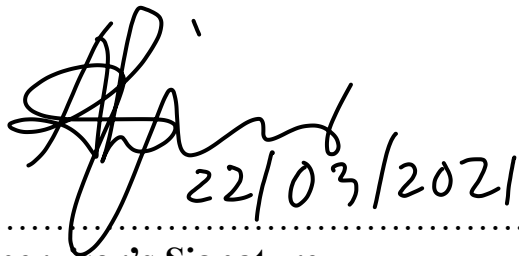
The Senior Design Project entitled “**Healthcare Chat-bot hospital Management system**” by

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has been accepted as satisfactory and approved for partial fulfillment of the requirement of BS in EEE/ETE/CSE degree program on Spring 2021.



22/03/2021

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**Supervisor’s Signature**

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## *Acknowledgement*

For tenth months from July 2020 to March 2021 we did our Senior Project Design courses (499A & 499B) at North South University. We would like to thank Almighty ALLAH for helping us to complete the project though we have faced a lot of problems then we would like to begin with our gratitude towards North South University's **Department of Electrical Engineering and Computer Science** for providing us with the platform to showcase our design capabilities, troubleshooting ability and implementation of theoretical knowledge fed to us through the core courses designed in the program and ultimately leading to the completion of senior design project. Therefore, we consider ourselves as very lucky individuals .We are also grateful for having a chance to meet so many wonderful people and professionals who led us though this period. Our most sincere gratefulness is to our project supervisor **Dr.ATIQR RAHMAN Associate Professor**, for his constant and meticulous supervision, his relentless support and motivation, valuable suggestions, his patience and encouragement throughout the project term for which we shall remain indebted forever. The completion of this project would have been implausible with his support and supervision. Besides, we would like to thank to the Chairman of North South University ECE department, **Dr. Mohammad Rezaul Bari ,Professor & Chairman**,for providing us with a good environment and facilities to complete this course. In addition, We would like to thank Google for creating web platform and keeping it free. Last, but not the least, we would like to thank our family members, friends, fellow classmates and all other personal, to whom we might have caused any inconvenience to, during the project term, for their understanding and support. We would like to thank to my classmates, alumnus because of the availability from all of them while Discussing the topic, experience and ideas.

## ***Abstract***

Our main focus is design a unique Healthcare chat-bot Hospital Management System that will improve hospital experience for both patients and the hospital authorities. The whole system will run on internet. The system is written in PHP, java script, j query, HTML and CSS. Users will have the felicity to log in from any place with internet connection. After that they will be able to various tasks that are designed for them. Users are categorized in three groups :( Management, Patient and Doctor).The primary target is to focus on every user who can get our service and get benefited. It can be turned into a paid system only for doctors.Where the doctors can get additional cloud storage on payment. A doctor can have different types of patient and the number of patients also vary from doctor to doctor. A doctor can have various number of patients. We can assume that doctors will need different amount of cloud storage. We can allocate a fixed cloud storage for each doctors. They can ask for extra storage according their demand and they will be charged for their demand. We can make various package and assign various cost. The patients will have some allocated space which they can use to keep their information. As the patient only needs storage for only themselves they can use this as a free user. This will make the system useful and more convenient for everyone.

Keeping the goal in mind the system we developed works as a social network where information's are more close and relevant for every user.This report contains the full details of the system and its functionality in details.