Department of Electrical and Computer Engineering

North South University

Senior Design Project

Care & Cure

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Faculty Advisor

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ECE Department Fall 2022

DECLARATION

This is to certify that this Project is our original work. No part of this work has been submitted elsewhere partially or fully for the award of any other degree or diploma. Any material reproduced in this project has been properly acknowledged.

Student's name & Signature

1. **Md. Ahasanul Hoq**
2. **Turzo Saha**

3. **Md. Monimul Haque**
4. **Mst Ashrafun Nahar Ananna**

APPROVAL

The capstone project entitled "**Care and Cure – A Telemedicine Web Application with Disease Prediction " by Md. Ahasanul Hoq (ID#1521687042) Turzo Saha (ID # 1821563042) Md.Monimul Haque (ID # 1821781042) Mst Ashrafun Nahar Ananna (ID # 1821234642)** is approved in partial fulfillment of the requirement of the Degree of Bachelor of Science in Computer Science and Engineering and has been accepted as satisfactory.

Supervisor's Signature

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ACKNOWLEDGMENT

First of all, we wish to express our gratitude to the Almighty for giving us the strength to perform our responsibilities and complete the report.

The capstone project program is very helpful to bridge the gap between theoretical knowledge and real life experience as part of the Bachelor of Science (BSc) program. This report has been designed to have practical experience through theoretical understanding.

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Abstract.

During the period of Covid, telemedicine has shown its capabilities in critical situation helping people to provide health care from distance. From then, people, all over the world has changed their mind setup & started enjoying the flexibility of telemedicine services. On the other hand, senior citizens with their physical problems prefer to maintain their regular check up with the help of telemedicine services. Also, cities people like Dhaka dwellers are often like to avoid the critical traffic jam rather making appointments of their desired health experts by the blessing of telemedicine. By thinking of all the opportunities that a telemedicine platform has & also, by analyzing all the features that can be more convenient for patients, the project has been implemented. The report represents a web implementations of web telemedicine system with a lot convenient features, also attached with a disease prediction model what has been implemented by machine learning. A compatible patients and doctors collaboration systems with some useful features like OHR, Pharmacy finder, E-prescription, Health Care discussion community, Disease prediction system and many more