Department of Electrical and Computer Engineering

North South University

Senior Design Project

Breast Cancer prediction using Machine Learning and Implementation with Web Application

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LETTER OF TRANSMITTAL

14 January 2022

Md. Shahnewaz Siddique

Assistant Professor

Department of Electrical and Computer Engineering

North South University

Subject: Submission of the Final Project Report

Dear Sir,

Assalamu Alaikum, Sir. We inform you that we have been doing report under the academic curriculum as a course CSE 499A and CSE 499B.

Hopefully this project report is able to fulfill a Computer Science Engineering Bachelor's degree requirement. It has been proved very effective as we completed our final project. We have completed our final project report on "**Breast Cancer prediction using Machine Learning and Implementation with Web Application**." In the report we have try to accommodate your valuable comments and suggestions.

Thank you for your valuable time and your kind cooperation. Without your support, we would not have completed this report. So, we are submitting the final version of the final project report and requesting your acceptance.

Regards,

Minhaz Mahmud

Md.Sharun Tasin

Sayed Latiful Akhter

Md.Amith Hasan Omee

ECE Department

North South University, Bangladesh.

DECLARATION

We solemnly declare that the project report on **"Breast Cancer prediction using Machine Learning and Implementation with Web Application"** is based on our work carried out during our study under the supervision of **Shahnewaz Siddique.**

We assert that the statements made and conclusions generated are an outcome of our research work. No part of this work was submitted elsewhere partially or fully to award any other degree or diploma. Any material reproduced in this project has been adequately acknowledged.

Students' Names

Signatures

Md. Amith Hasan Omee

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Minhaz Mahmud

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Sharun Tasin

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Syed Latiful Akhter

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ACKNOWLEDGEMENT

We would like to express our heartfelt gratitude to everyone who made it possible for us to complete this report. Mr. Shahnewaz Siddique, our final year project supervisor, deserves special thanks for his creative suggestions and encouragement, which helped us manage our project, particularly in preparing this report. Finally, we want to express our gratitude to our loving group mate for his contribution to this effort.

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ABSTRACT

Breast Cancer is one of the common cases for women. A significant number of women around the world are facing it. About 43000 women die in a year from this cancer [8]. The main reason for the death of cancer is the lack of human knowledge about it.

The main target of this project is to detect breast cancer at an early stage. If any woman can detect her breast cancer at an early stage, then she should take proper treatment at the very beginning and she could save her life. Each and every life is important for the country. For this early detection we use Machine learning because Machine learning techniques are highly preferable for use in the medical field because of their high accuracy.