



Senior Design Project

CSE 499A & B

Spring 2021

**MediCare- Mobile and Web Virtual Communication Application for
Doctor and Patient**

Submitted By

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Declaration

This is to state that no portion of this report has previously been submitted for the completion of any other degree or program. Appropriate acknowledgment has been made in the reference section of this report for any content taken from previously published sources.

Declared By

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Approval

We are delighted to present our senior design project report on, "**MediCare- Mobile and Web Virtual Communication Application for Doctor and Patient.**" This report is prepared as a requirement of the Capstone Design Project CSE 499A & B 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. We would like to request you to accept this report as a partial fulfillment of Bachelor of Science degree under Electrical and Computer Engineering Department of North South University.

Approved By

Supervisor's Signature

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Acknowledgement

First and foremost, we would like to express our heartfelt thanks to **Dr. Shazzad Hosain**, our esteemed course teacher, for his consistent and careful monitoring, insightful ideas, tolerance, and support in completing the senior design project work. We'd also want to express our gratitude to North South University's ECE department for allowing us to complete senior design project as part of our undergraduate program's curriculum.

Finally, we would want to express our gratitude to our families and everyone who helped us complete this senior design project by providing support and assistance.

Abstract

Medical facilities are the most significant facilities for everyone. In the today's modern world, everything is dependent on online technologies like software, android application, website and many more. So, it is so much necessary that people can get medical treatment from doctors virtually and online. There are many villages and remote areas in Bangladesh and in other places of the world, where medical facilities and treatment facilities from a doctor or professor, are not properly existed there. That's why; we made an android application and a website which will help all kinds of people to get medical facilities like treatment and healthcare through online application and website. The title of our android application and website is "**MediCare**" which will help a lot to reduce the hassle of the patient or user who cannot easily get medical treatment during their emergency moment because of the lack of the existence of hospitals, health care centers, urgent care centers and doctor's clinic at their areas or nearest areas. With the help of our android application and website, all kinds of people can book their appointment with a doctor of a specific department and then they can connect with a doctor through a video call to get treatment at their fixed appointment date and time. All users or patients must need to register and login to get appointment from a doctor for treatment purpose. Another important fact is doctors can see the medical reports of the patient and provide prescriptions to patients through online. This is how our "**MediCare**" will play a significant role in today's world.