



**North South University
Department of Electrical and Computer Engineering**

Senior Design Project

**Chikitsa Nin: Real Time Web Based Remote Patient Management System
using Internet of Things**

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DECLARATION

We, hereby, declare that the work presented in this report is the outcome of our eight months work performed under the supervision of Tanjila Farah, Department of Electrical and Computer Engineering, North South University, Dhaka, Bangladesh. The work was spread over a span of one of the final year courses, CSE 499, Senior Design Project, in accordance with the course curriculum of the Department for the Bachelor of Science in Electrical and Electronics Engineering program. We pledge that there is no similarity with this work and any other work we know of.

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APPROVAL

The senior project report on ‘Chikitsa Nin: Real Time Web Based Remote Patient Management System using Internet of Things’ has been submitted by Md. Hasibur Rahman Fahim (ID #1612241042), Kho. Iftekhar Alam (ID # 1510093042), Oyshee Rahaman (ID # 1611872042), Hossain Ahmed Sojib (ID # 1610645042) students of the Department of Electrical and Computer Engineering, North South University, Bangladesh. This report partially fulfills the requirement for the degree of Bachelor of Science in Electrical and Electronics Engineering in December, 2019 and has been accepted as satisfactory.

Supervisor’s Signature

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ABSTRACT

Bangladesh is currently offering 6 registered doctors for 10,000 patients having 43% vacancy in the required number of doctors. Here the modernized hospitals are mostly urban area based and scarcity of hospital accommodation is very real. Diagnostics are mostly private and out of reach for 24.3% of people living below the poverty line, and a hard call for almost 50% of the population who belongs to the middle class. No professional medical consultancy is available here to find the best doctor related the field on emergency as well as a hospital that provides the required service at once. Here family members of critical patients along with the patients are often found running hospital to hospital to check for availability of their needed service. This suffering makes the “Chikitsa Nin” rise as a web application which creates a platform for its user to find a doctor to consult, get a medical representative to collect the sample for diagnosis, get required service from the hospitals around by choice and medicine delivery all together from one place.