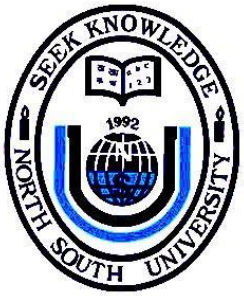
Department of Electrical and Computer Engineering
North South University



Senior Design Project

Web-Based Temperature Monitoring System

Jubair Jull Karnine ID # 1410959042

Md. Sajjad Hossain ID # 1410292042

Aaqib Shahriar Shuvo ID # 1330880042

Faculty Advisor:

Dr. Mahdy Rahman Chowdhury

Assistant Professor

ECE Department

Spring 2019.

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 names & Signatures

1. **Jubair Jull Karnine**
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2. **Md. Sajjad Hossain**
ECE Department
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3. **Aaqib Shahriar Shuvo**
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APPROVAL

We, **Jubair Jull Karnine (ID-1410959042)**, **Md. Sajjad Hossain (ID-1410292042)** and **Aaqib Shahriar Shuvo (ID- 1330880042)**, members of CSE: 499 (Senior Design) from the Electrical and Computer Engineering department of **North South University**; have worked on the project titled **"Web-Based Temperature Monitoring System"** under the supervision of Dr. Mahdy Rahman Chowdhury as a partial fulfillment of the requirement for the degree of Bachelors of Science in Engineering and has been accepted as satisfactory.

Supervisor's Signature

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Dr. Mahdy Rahman
Assistant Professor

Department of Electrical Engineering & Computer Science

North South University

Dhaka, Bangladesh.

Chairman's Signature

.....

Dr.K.M.A. Salam
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Department of Electrical Engineering & Computer Science

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ACKNOWLEDGEMENT

By mercy of the Almighty we have completed our senior design capstone project entitled "Web-Based Temperature Monitoring System".

Foremost, we would like to express our sincere gratitude to our advisor Dr. Mahdy Rahman for his continuous support in our capstone project progress throughout the whole 499A and 499B, for his patience, motivation, enthusiasm, and immense knowledge. His guidance helped us in all the time of writing and completing of this project.

Our sincere thanks also goes to North South University, Dhaka, Bangladesh for providing an opportunity in our curriculum which enabled us to have an industrial level experience as part of our academics.

We are also very grateful to one of our dearest sir from PI Labs, Muhammad Hasan-uz-Zaman (Hasan), for his help in this project.

Last but not the least, we would like to thank our family as their inspiration and guidance kept us focused and motivated.

Abstract

This paper describes the design and implementation of a web-based temperature monitoring system. The project is designed in such a way that after the configuration with hardware which will be the temperature sensors it will work properly. It is also designed in a way that the user can view the temperature values at anytime from anywhere with the help of a server. The project is implemented like the administration can the set the limits of the temperature sensors which will be suitable for the rooms. The aim of designing the project is to reduce the human labor. On the other hand the user can view the temperature values in two different ways such as in tabular views and graphical views. And can also download a report which will be in PDF format.