



Senior Design Project
Anti-Snap Elevator Door System

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Faculty Advisor:

Dr. Nova Ahmed

Associate Professor

ECE Department

Fall, 2018

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.

Students' names & Signatures

1. Merajul Islam

2. Sadia Ahmed

3. Hossain Md. Sadman

APPROVAL

We, **Merajul Islam (ID# 1311046043)**, **Sadia Ahmed (ID# 1331085045)** and **Hossain Md. Sadman (ID# 1410409642)**, members of EEE/ETE/CSE: 499 (Senior Design) from the Electrical and Computer Engineering department of North South University; have worked on the project titled “**Anti-Snap Elevator Door System**” under the supervision of Dr. Nova Ahmed as a partial fulfillment of the requirement for the degree of Bachelor of Science in Engineering and has been accepted as satisfactory.

Supervisor’s Signature

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Dr. Nova Ahmed
Associate Professor

Department of Electrical Engineering & Computer Science

North South University

Dhaka, Bangladesh.

ACKNOWLEDGEMENT

By mercy of the Almighty we have completed our senior design capstone project entitled “**Anti-Snap Elevator Door System**”.

Foremost, we would like to express our sincere gratitude to our advisor Dr. Nova Ahmed for her continuous support in our capstone project progress throughout the whole 499A and 499B, for her patience, motivation, enthusiasm, invaluable insight, and immense knowledge. Her guidance helped us in all the time of research, writing and completing of this project.

Our sincere thanks also go 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 would like to thank all the participants of our research for enabling this project to take place.

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ABSTRACT

In Bangladesh, commuters face many accidents involved with elevators. Many development and changes have been made to the architecture and design of elevators keeping both comfort and safety in mind. Yet undesirable accidents related to elevators still occur across the globe. We have created a technology and designed an elevator in such a way that would reduce any fatalities to a minimum. In this technology people can control elevators from the inside. There are multiple buttons inside the elevator, accessible to the passengers, that, when pressed, leads to preventive measures to cease any accidents.