

Senior Design Project Report

CSE/EEE/ETE 499

The RECK: IOT- Based Fire Alarming System and Help Service



Submitted By

Mahamudhul Hasan

1513157042

Supervisor

Md Shahriar Karim

Assistant Professor

ECE Department

ELECTRICAL AND COMPUTER ENGINEERING

NORTH SOUTH UNIVERSITY

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Agreement Form

We take great pleasure in submitting our senior design project report on “*The RECK: IOT- Based Fire Alarming System and Help Service*”. This report is prepared as a requirement of the Capstone Design Project CSE/EEE/ETE 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.

Declared By:

-Mahamudhul Hasan

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Name: Mahamudhul hasan
ID: 1513157042

Approved By:



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Supervisor
Md. Shahriar Karim
Assistant Professor, Department of Electrical and Computer Engineering

North South University, Dhaka, Bangladesh

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Dr. Mohammad Rezaul Bari
Associate Professor & Chair, Department of Electrical and Computer Engineering

North South University, Dhaka, Bangladesh

The RECK: IOT- Based Fire Alarming System and Help Service

In recent times, we have witnessed numerous fire incidents around the globe. Moreover, it has become so much common in Bangladesh that every year during the summer season we can see some headlines regarding this issue. Many people lost their lives slum-dwellers have become homeless and many institutions faced huge economical loss due to this unexpected incident. The primary causes of these fire breakouts are faulty wiring, electric short circuit, cooking equipment, heating and etc. To tackle these situations, we have come up with the solution name as The Reck is an Internet of Things (IoT)-based project. The aim of our project is to solve a life threatening problem like fire breakouts in a densely populated country. It is an IoT-based solution that refers to the group of different gadgets and other embedded sensors which permit those things to connect to a community that gather data to run the system. In short this device will create a scope to establish a connection between non-internet-enabled physical gadgets and our machine through internet connectivity. Even it can be manipulated remotely.