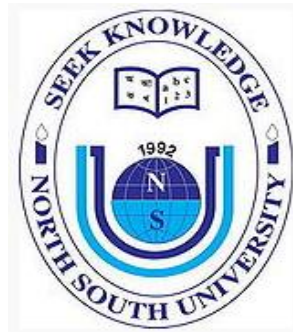


# **Senior Design Project Report**

**CSE/EEE/ETE 499**

## **IOT Based on a Human Security System**



### **Submitted By**

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### **Supervisor**

Dr. Md Shahriar Karim (MSK1)

Assistant Professor

**ELECTRICAL AND COMPUTER ENGINEERING**

**NORTH SOUTH UNIVERSITY**

**SUMMER 2020**

## **Agreement Form**

We take great pleasure in submitting our senior design project report on “IOT Based on a Human Security System”. This report is prepared as a requirement of the Capstone Design Project CSE/EEE/ETE 499 A & 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:**

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### **Approved By:**

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Supervisor  
Dr. Md Shahriar Karim  
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# **IOT Based ON A Human Security System**

## **Abstract**

This world is running by innovation. A mind-blowing estimation of the world growing step by step. So, security is the fundamental concern. We have made a device which can detect any unwanted condition automatically by taking body movement data and can send an alert with victim's location to the preset number. It's a IOT base system that control messaging from a server. We made a hardware that continuously receive body movement data and analyses the data set. If the analyzation gives any unwanted situation, the device sent a signal to the server and server sent message to the preset number. This device analyses two type of body movement data like acceleration and gyroscope that means this device can detect irregular body movement and angle and sent the signal. This device is very helpful for women because the number of rape case increasing day by day.