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# Senior Design Project Report

CSE/EEE/ETE 499

## Personal Protective Gear Detection Surveillance System



### Submitted By

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**ELECTRICAL AND COMPUTER ENGINEERING**

**NORTH SOUTH UNIVERSITY**

[Fall2020]

## Agreement Form

We take great pleasure in submitting our senior design project report on "**Personal Protective Gear detection Surveillance 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.

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# Acknowledgement

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# Personal Protective Gear Detection Surveillance System

## Abstract

The world in present days is going through a tough time and every country is suffering from the present pandemic caused by covid-19 and also at present there is no 100% curable vaccine of this disease. Covid-19 is spreading in rapid rate from one person to another. To minimize the spreading of this disease WHO (world health org) provided various guidelines like wearing mask, maintaining social distancing, avoiding any public gathering. But people are not maintaining those guidelines mainly in the countries like Bangladesh, India, Pakistan and many other under developed countries where people live from day to day earning. Keeping that entire thing in our mind we tried to develop a surveillance system that monitors if they are taking enough precautions to save themselves from Covid-19. This surveillance system monitors people who are having basic personal protective gear like mask, face shield, PPE, gloves not only that this surveillance system will be able to detect if any person is violating the guidelines and our system is able to take pictures of the violator not only that this surveillance system will be able to provide live detection that will help the people who are monitoring the people.