Senior Design Project Report

CSE/EEE/ETE 499B

Automated Cattle Farm

Submitted By

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Senior Lecturer

ELECTRICAL AND COMPUTER ENGINEERING

NORTH SOUTH UNIVERSITY

SPRING 2020

Agreement Form

We take great pleasure in submitting our senior design project report on "Automated Cattle Farm". 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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Automated Cattle Farm

Abstract:

Automation is the new buzzword in this 21st century. When automation word is used, a few things come to our mind. For example: cutting down human stress, cutting down labor costs etc. First if one listens this automated cattle farm word, he/she will not believe that it's possible. But if one breaks down the tasks happened inside the farm step by step, and tries to think about the scenario after doing automation; he/she starts believing in the possibility. In this project, we have built a temperature control system. Fan and bulb will be controlled automatically if temperature increases of decreases. There is a feeding system by which food will be served to the cattle automatically. We have a washing and a scraper system, through which farm's floor will be washed. We have a web app. Farm owner will be able to see; what's going on inside the farm, will be able to control it remotely from any part of the world. There is an information section in the website, what it will provide is vaccination date, possible vaccines to give cattle etc.