"AUTOMATIC FEEDING & TEMPERATURE CONTROL IN POULTRY"

(Sponsored by Karnataka State Council for Science and Technology (KSCST), Bangalore)

A project report

Submitted in partial fulfillment of the requirement for the award of

Degree in Electrical and Electronics Engineering VIII semester of the Visveswaraiah

Technological University Belgaum.

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2009-2010

ABSTRACT

The aim of this project is to control the living environment of poultry birds automatically which includes automated food, water supply mechanism and automated lighting control for better living of poultry birds and increased productivity. Considering the rural areas, we have tried to keep this project as simple as possible. The main considerations that was kept in mind was to design a completely Automated Prototype Chicken Farm Unit which consists of an automated feeder, water & light-cum-temperature systems in a single chicken house. Considering the background of Indian rural people, it was decided to keep the overall project cost as minimum as possible.

The different units are controlled by the relay ports. The relays operated as switches to turn on or off the unit connected to that particular relay port. A timer can be used to provide the water & food feeding automatically at predefined time on timely basis. Almost all the components are readily available & at cheap cost everywhere to build an automated system. The project incorporates simple use of level detectors in the form of sensors at various critical regions & temperature sensors in the form of LDR to control the food, water & lighting cum temperature respectively.

The project is unmanned but is controlled by trained person at the top level. This project is designed using simple logic & can be easily understood by any person.This project completes its objective, by providing a better living environment and timely feeding on regular basis, such that the poultry birds grow faster and healthier, providing more revenue to the user within smaller period of time.This project incorporates a design that can be used in real life for a larger area with almost no increase in overall cost. At the same time reducing the manpower required for operation. It helps in improving the productivity of poultry & economy of poor farmer

This project will change the picture of poultry industry in India. It will benefit both small and large scale poultry farms by reducing cost of operation, manual labor, and increasing productivity within small duration of time. Hence bringing happiness in the lives of rural people. Different parts of this project can even be used for our daily home needs.