

# Poultry Monitoring and Controlling System using Arduino Uno

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**Abstract:** *This work is used to save the time and dependence on the work. By combining wireless system networks to manage and monitor environmental parameters such as light intensity, fan, water and temperature are automatically monitored and controlled. This system also helps farmers to monitor the poultry farm. It is a combination of Arduino Uno, gas sensor, LDR sensor, water sensor and temperature sensor which makes the work easier. The changes in this system are observed with the help of LCD display. The production of automatic feeding machines for poultry farming may be necessary to expand this industry in rural India. In the present system, a poultry farm requires labour. The chickens are fed manually by humans. This automatic feeding system solves the labour shortage while reducing labour costs. This automatic feeding system can be used in both large and small poultry farms and agriculture. In this method, the feed is put into a feeder or a feeder. This device also uses an automatic misting system to maintain a constant temperature in the farm. This automatic misting device can also be used to keep the room at a constant temperature. This automatic misting device can also be used to keep the air in the livestock farm at a comfortable temperature. This device is easy to use and affordable. Small poultry farms in India can use it. It can be controlled by android phone.*

**Keywords:** Arduino, poultry, chick, farm, soil mixture, food and feeder, Temperature sensor, fogger system, Temperature sensor, water pump

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