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Abstract:

Advancement in technology has made regular life more easy and convenient. In every aspect of life, it is essential to be updated that ensures that progress of mass interest. With the growing demand, automated poultry farming has become eminent that contributes enormously in economic growth. Smart poultry farms can emancipate the farmers from the traditionally tedious procedures which were outdated and time consuming. In preliminary stage, a smart poultry farm shows many distinctive features such as, automated food and water supply, egg collection, maintaining precise environmental factors etc. In this paper, Safety measures such as fire protection, anti-thief features which ensures an overall surveillance of the farm has been incorporated. Data storage through IoT is another enticing trait of this work which enables the users to Fig. out the required pre-steps to adopt before any endangerments can occur. The GSM module can also provide a real time protection of the farm by notifying the farmer through an SMS at any alarming situations. All these distinguished features have been realized and observed with very perfection and it can be concluded, with the integration of GSM and IoT the proposed project work has taken the poultry farming into next level of advancement.

Keywords: Microcontroller, GSM module, IoT