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Abstract:
With the essence of state of art technologies, the modern era has emerged with new directions to the human life where the sole purpose is to make the human life more comfortable and convenient. Smart control over poultry farming is getting acceptable by the mass and this sector is flourishing due to its eminent necessity in mass scale. Automated poultry farm in one where different features are incorporated such as food and water distribution, egg collection etc. All these actions are been done automatically, thus making the poultry farm more efficient and profitable. This paper intends to introduce an idea where an automated poultry farm incorporating necessity features such as dry food supply, water supply, and egg collection etc. has been the main concern. The paper also demonstrates a prototype that explains each feature of the aforementioned work and from the prototype, it has been realized that the responses of individual components were highly satisfactory.

Keywords: Poultry Farm, Automation, Microcontroller, Hall Magnet sensor, DHT 11