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Abstract:

Farming is a very vital sector for any developing country like Bangladesh. Therefore, smartly operating the farm is essential now a days to get maximum productivity from the farm. In this paper, an automatic system is designed for the farm which is operated via the internet of things (IoT) technology. This proposed system is developed to implement advanced technology into the traditional farming system. The proposed approach incorporates feed and water level indicator control systems, health monitoring systems, fire and gas detection systems, temperature-based fan control systems, intelligent tracking systems, and cow dung cleaning mechanisms. Finally, different sensors will collect all the data and eventually be controlled by Arduino Nano micro-controller, which incorporates IoT features. Therefore, the users can handle their farm from any place and get real-time data from the farm through mobile. Furthermore, this proposed system is eco- friendly as well as cost-effective.