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Design and Implementation of an Automatic Irrigation System based on Monitoring Soil Moisture and Agriculture Thief Detection

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Abstract:*This Project is proposed on precision agriculture system over the Internet of Things (IOT). Through analysing the present development of precision agriculture in outside world and considering its advantages and shortcomings, we decide an ecology farm as an example to conduct a replacement precision agriculture management system (PAMS). Designing a non-public Internet of Things (IOT) enabled platform for the research in precision agriculture and ecological monitoring domains. As water supplies become scarce thanks to climatically change, there's an urgent must irrigate more efficiently so as to optimize water use. During this context, farmers' use of a decision-support system is unavoidable. Indeed, the real-time supervision of microclimatic conditions are the sole thanks to know the water needs of a culture. Wireless sensor networks are playing a very important role with the arrival of the web of things within the community of the farmers. It'll be judicious to form supervision possible via Sensors.*

Keywords: Water Harvesting, Moisture, Irrigation, ArduinoController, etc.

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