Implementation of Smart Farm Devices using Open Source Software

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(Pr9)Abstract—With the recent development of IoT technology, a variety of products and services that were previously not implemented due to technical limitations are gradually becoming feasible. Accordingly, in the agricultural field, smart farm implementation is gradually spreading through the use of IoT technology. In this paper, we analyse standard technologies for smart farms through implementation of smart farm devices using IoTivity, an open source software provided by OCF which is a middleware standard technology for logical interoperability between IoT devices.

(Pr9)Keyword— Smart Farm, Smart Agriculture, IoT, OCF, IoTivity

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