
“Smart Enviro”: Environmental Monitoring Based on the Internet of Things (IoT)

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Abstract

The future of technology is increasingly shifting to Industrial Revolution 4.0 and about to step on Society 5.0. This shows that the Internet of Things (IoT) technology has led to the production of automatic smart devices that have more efficient interaction and communication features without human assistance. The widespread use of IoT technology through interconnection on the Internet accelerates the use of machines as a method of equipment control, especially in controlling and automating various tasks or daily human work to things that are easier to implement in the busyness of human time. IoT-based real-time monitoring is now widely implemented to enable faster and efficient reactions in addition to being able to access the latest data continuously no matter where the user is. Therefore, in the aspect of environmental monitoring as well, IoT technology can be utilized, i.e. using devices or sensors to monitor the quality of water, air, atmosphere, soil, flora and fauna habitats; can further help preserve the environment through effective preventive measures against pollution of water, air, soil and so on as it has often hit our country lately.

Keywords : *Monitoring; Environment; Internet of Things (IoT)*
