## Indoor Monitoring System Employing Facebook Platform for WSN

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Abstract—Currently, developers of sensor network monitoring systems have to use various web languages including HTML, JavaScript and Ajax, and have to set up web servers using Apache, PHP, and MySQL. In addition, the implementation of security and authorization may need to be considered in many cases. Thus, the implementation and management of sensor network system are quite a burden to the developers. In this paper, we propose a new approach that uses Facebook as a platform for sensor network monitoring systems. In order to use Facebook as a platform for our sensor network monitoring system, a PC side application that connects Facebook and WSN is needed. The PC side application, which is built with Facebook C# SDK, is capable of automatically posting the sensory data of WSN on Facebook. By applying our proposed method, the difficulties in using web languages or setting up servers can be reduced. As a case study, an indoor monitoring system based on our proposal has been developed. From our experiment, we found out that our approach provides easiness, cost-effectiveness and flexibility when constructing WSN rapidly

Keyword-Wireless Sensor Network, Web of Things, Social Network Service, Facebook.



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