Abstract

To decrease the challenges that the cities face such as scarcity of energy sources, flooding prevention, healthcare, housing water and deteriorating infrastructure, making a city ‘Smart’ is emerging. The Internet of Things or IOT provides the ability for human and machines to interact from billions of things that include sensors, services or other Internet connected things. This paper aims to realize the security requirement and security architecture of Internet of things technology for urban flooding prevention management system and discussed the demand and overall design of urban flooding prevention management system. Finally, the application process of the Internet of things technology in Chongqing flooding prevention management system is summarized. For emergency command and dispatch there is visual management, and at the same time, network assessment management for the drainage pipe can be conducted correctly. The flood control and drainage function of Chongqing will gradually improve with smooth drainage facilities also the inspection and maintenance management will standardized.
References


Index Terms

Computer Science

Information Systems

Keywords

Flooding Prevention, Internet of Things, Drainage pipe, catastrophic situation, flooding condition, Flow Rate, Water Level