



IOT as Technology's Aid in Disaster Management: A Comprehension of its Scope and Limitations

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Abstract : *In our research paper we aim to explore the use of internet of things for the purpose of disaster management in disaster risk minimization and prevention as well as for emergency response and post disaster recovery.*

IOT is becoming a popular technology having varied applications in various fields. It can play a vital role in the field of disaster management in the context of information gathering and processing.

The requirements of information during disaster are of a dynamic nature due to dependence on environment

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conditions which change continuously. The IOT technology has the potential of communicating instantaneous information updates and thereby can help in adapting to dynamic workflow during disaster.

The main aim of our research paper is to explore the potential of IOT technology in disaster management and study the extent up to which BSDMA is employing this technology as well as to propose the usage of advance and efficient technologies used globally.

Keywords: *IOT, Disaster Management, BSDMA, GRILLO, BRINCO, BRCK, WSN, early warning systems, ALARMS, floating sensor network, RFID.*

Introduction :

IOT that is Internet of Things refers to a worldwide network of interconnected objects having unique identity and communicating using standard protocols.

In the context of Disaster Management, IOT has the potential to become one of the enabling technologies. IOT technologies cannot stop disaster from happening, but can be very useful for disaster preparedness such as prediction and early warning systems. We can use various IOT technologies like low cost flood sensors, emergency micro messaging.