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(57) Abstract :
The term internet of things is used to refer to a system of interconnected devices (IoT). One advantage of an IoT network is that it enables remote control of devices. In light of this, IoT has real potential to advance medical care for humans. There are lot of problems for data maintenance and transmission specifically in data conversion processing into secure data. For increasing security level data is transformed through security socket layer. The fog computing and cloud computing plays an important role in detecting the faults and transmitting the data through IOT devices. The present invention disclosed here is an adaptive and fault-tolerant data processing in healthcare internet of things (IOT) comprising of: fog computing (201); cloud computing (202); and health care provider/end devices (203). The reliability of data transmission, and fog nodes the performance is improved with the invention disclosed here. The over usage of the resources is controlled with the self-adaptation module of the invention disclosed herein. We have first shown, via modeling, that the fault-tolerant mechanism and the self-adaptation module may increase the proportion of deliveries that are successful while simultaneously optimising the distribution of available resources. In addition, a fault-tolerant technique is developed to guarantee consistent transmission.

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