

An Internet of Things (IoT) based Smart Helmet for Accident Detection and Notification

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Abstract: *The objective of the smart helmet is to detect and report accidents. Various Sensors, Wi-Fi enabled processor, and cloud computing infrastructures are utilised for building of the system. The accident detection system is used to communicate the values of accelerometer to the processor. Then the processor continuously monitors erratic variations. When an accident takes place, all the related details are sent to the emergency contacts. This process is done by utilizing a cloud based service. The location of vehicle is obtained by using the global positioning system. The system is reliable and it does quick delivery of information regarding the accident in real time. It is named as a Connect. Hence, by making use of the ubiquitous connectivity a smart helmet for accident detection is designed.*

Keywords: Accident Detection, Cloud Computing, Hypertext Transfer Protocol, Internet of Things, Sensor, Ubiquitous Sensing.