

# E-Assistant for Paralyzed Patients using Internet of Things

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**Abstract:** *There are lots of hospitals and clinics that serve paralytic patients who have their entire or part of their body disabled by the Paralysis attack. In most of the cases, these people are not able to convey their needs as they are neither able to talk properly nor do they convey through sign language due to loss in the motor control by their brain. Many innovations are developed to improve the quality of life. So, the aim of our system is to develop a system or a device which is easy to use and should also be affordable to all kind of people. It should also consist of a person's basic health care monitoring system. This paper presents the development of an E-Assistant device for paralytic patients, aimed at improving their quality of life by providing an affordable and easy-to-use system that can monitor basic health care and assist in communicating their needs. The device uses simple motions, such as finger movements or angle-based controls, to enable patients to display messages. This device can be designed in such a way to be mounted on the back of their hands and their fingers, or other voluntary organ. The device has the potential to significantly improve the lives of paralytic patients by addressing their communication and healthcare needs. In this way the E-assistant for Paralyzed Patients automates the care taking ability of the patient which makes sure a healthy and periodic attention to the patient and thus results in a good health of the patient.*

**Keywords:** IOT, Paralysis Patients, Communication device, E-assistance, healthcare, patient care

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