Using the Internet of Things to Deal with Ventilators for Minimizing the Direct Contact with COVID-19 Patients

Authors : Mohammed Al-Shalabi

Abstract : In recent years, the Internet of Things (IoT) has become an important technology for connecting various smart objects in many applications, especially in health monitoring applications. The IoT technology develops healthcare applications from traditional to personalized ones by making the treatment and monitoring of patients easier. Nowadays, especially during the COVID-19 pandemic, the necessity of enhancing healthcare monitoring applications to avoid the spreading of this pandemic is increased. In this paper, a mechanism is proposed to minimize direct contact with COVID-19 patients who need ventilators by using IoT technology. The proposed mechanism saves medical providers from COVID-19 infection and then minimizes the spreading of this disease.