Online Status Monitoring System for Patients in Intensive Care Unit


Abstract

Continuous monitoring of patient's vital signs presides by the sophisticated monitoring equipments in modern ICUs. Various health parameters provided by the continuous monitoring of these equipments has to be observed continuously to take necessary actions at the unstable situations of the patient. So it is very critical to be aware of the real-time health parameter indications of the patient all the time. We have introduced a remotely accessible centralized monitoring system in order to provide a single observation point for the health professionals remotely and locally. The proposed system is capable of access the most critical information displayed in ICU monitoring equipments in to one observation point. Therefore, the doctors can observe patient information real time from anywhere. The system also addresses the issues of mistakes happen due to unawareness of the time critical situations when observing information separately from each and every device around the patient bed. The proposed system interconnects stand-alone ICU equipments and sends these data to a database. A web application running on top of the database will provide the real-time information about the patient to the doctor.