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Patent Search

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Abstract:

Based on the smart IoT, an intelligent surgical reporting system was created and implemented. The adoption of the system to write and retrieve data by health care s time spent preparing forms and lowers the occurrence of mistakes, consequently enhance patient outcomes and care quality. Furthermore, this method enables all c gathered information during the procedure to be accurately preserved and disseminated. This approach also reduced the cost of printing surgical record sheet and h record sheets and may be utilised as a knowledge repository for future procedures. The surgical information will save health care staff time by constantly storing thei information. In order to facilitate access to the information we have also used the voice-based information access. A chat bot is also trained on the surgical data whic knowledge base on the surgeries.

Complete Specification

IoT - Smart Intelligence chat bot on surgery assistance and reference to improve hospital safety management system

Field of the Invention

Information obtained from sensors in medical centers is steamed in real-time to perform accurate analysis. When executing a complex operation, the employment input technique by health care staff not only enables the rapid completion of numerous records required to finish the procedure, but also improves the completene quality of the input data. However, incidents of medical negligence such as inappropriate surgery sites, patient whose identification have not been verified, erroneo surgical processes and procedures, and other hazards continue to occur. Because surgery is such an essential aspect of medical care, every examination and confir performed by nursing professionals from the point a patient is brought into the surgery room has an influence on the patient's safety. As a result, improving surgica processes is seen as a key safety indicator in enhancing treatment surgeries.

The standard surgical assistance system only provides a simple interface and does not give users with satisfactory operating results while utilising the system. Hum mistakes and flaws in system validation procedures can readily compromise the quality and integrity of the medical data. Some articles advocated the construction surgical system that would utilise a new form of information technology to help health care staff manage the many data required throughout surgery. Furthermore, terms of information system performance validation, various thesis studies used survey analysis to assess user satisfaction and operational effectiveness. Furtherh previous research offered six components for evaluating the performance of the system in terms of

quantifying its success. In the regular procedure. On the day of the operation, the operating theatre control personnel alert the nurse's stations to confirm the room

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