Title : A patient response system using SNS'

Abstract :

In order to reduce the burden on nurses, I created a system that uses an SNS bot program making work easier for patients to contact them, and for nurses in charge to know the patient's condition on their mobile phones and respond appropriately. For this system, we used LINE, an SNS commonly used in Japan, and its API, and wrote a program in Python. This system receives a nurse call on LINE when a patient needs help, notifies the nurse in charge via LINE, and if the nurse in charge does not respond, the system automatically sends an appropriate reminder message . I think the unique point is that they were able to take appropriate action using the SNS bot program.

Patients can use LINE, which is more familiar to them than regular nurse calls, to notify them, so they can contact them without hesitation. Also, since it can be used as a means of communication between nurses, communication errors can be reduced and it will be easier. According to data released by the government, the number of nurses is increasing year by year, but a high percentage of nurses work overtime at night, and nighttime floor patrols and nurse calls are a major burden. expected. By using this system, nurses no longer have to move unnecessarily, reducing their burden and allowing them to respond more accurately to patients. Additionally, it becomes easier to understand the patient's situation.