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Author(s) Name:	<u>Md Sadad Mahamud, Md Manirul Islam, Md Saniat Rahman, Samiul Haque Suman</u>
Contact Email(s):	<u>saniat@aiub.edu</u>
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Abstract:

In this paper, the authors present an assistance device for patient's surveillance. An IoT based system is developed for monitoring patient's heart rate, body temperature and saline rate. An Arduino microcontroller is used here for processing the data and ESP32 module is used for monitoring the patient's data through internet and a GSM module is used for notifying the doctors in emergency case. The main objective of this project is to help the doctors and nurses to monitor a patient's health condition through internet and over cellular network. On the other hand, if the monitoring parameters exceed beyond their nominal values, the ready message is sent to the concerned duty doctor as well as the attendant and display it in the LCD screen and a specific audio sound is played for urgent awareness.