

Design of Remote Healthcare Monitoring Wearable Device Using AI & IOT

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ABSTRACT

Comprehensive health-care structure is facing many issues with rapid growth in aging population, raising cost to get medical treatments, and the pervasiveness of different kind of chronic diseases, etc. Keeping both mental and physical fitness of people is becoming one of the most importance issues during independent living i.e. aging population. Sensing, remote health monitoring, and, ultimately, recognizing activities of daily living have been a promising solution. One of the recent technologies namely Internet of Things is getting a hastily growing interest in different real-time applications, specifically getting personal health-care services. In this paper, we proposed a sensing and wearable device for health informatics and emergency medication. The proposed design includes two important modules specifically utilized for remotely monitoring vital health parameters and medical service in urgent situation. Moreover, it will also include information communication modules, which will assist the prescribed physician and health centre to monitor the patient remotely. In addition, the communication modules will enable the device to communicate automatically with emergency medical services when needed Furthermore, the proposed device will also act as a supporting device to alert the relatives through the Device that is connected to that wearable device.

