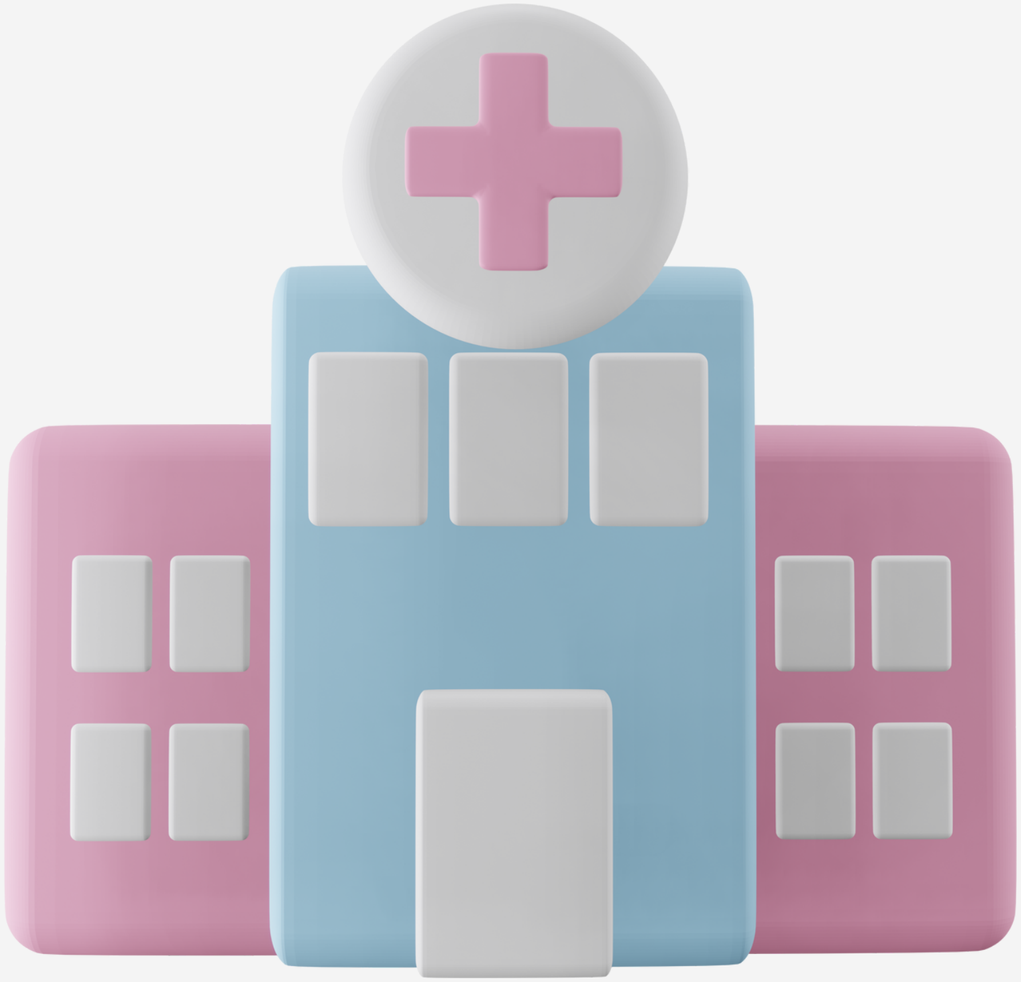

Hospital Emergency

From development to distribution

Curtin Healthcare Services

Meet the Team

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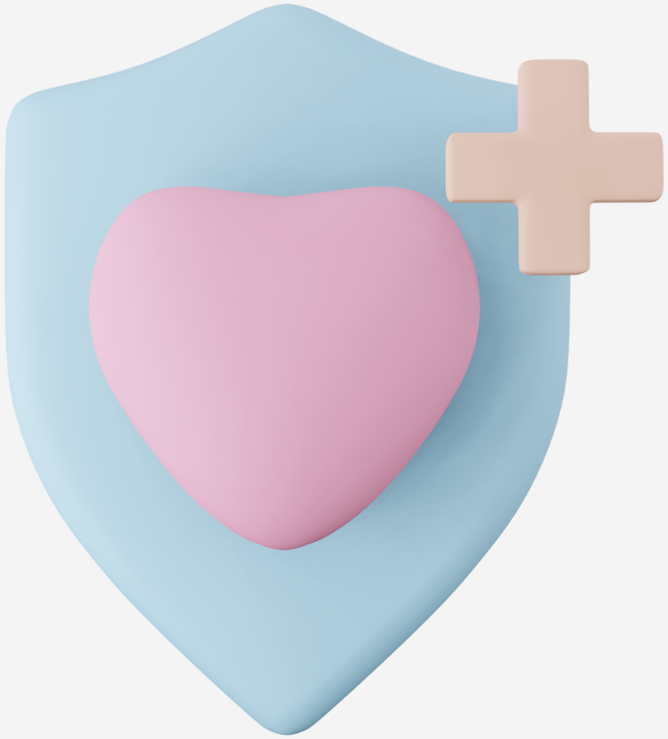
Abstract



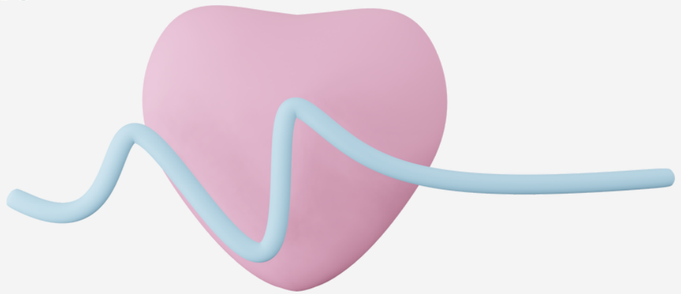
Hospitals now-a-days offer multispecialty services to treat the patients requiring multiple specialists under the same roof. This means there is increase in the number of beds and the overall capacity of the hospitals, which may cater to hundreds of patients at the same time. It is extremely difficult to monitor everyone with the limited number of qualified personnel.

For instance, in a psychiatry ward if the patient posses harmful objects and decides to harm themselves it is crucial to reach there on time in order to avoid unfavorable outcomes. Another case could be the identification of an accident victim in the emergency room, so that the relatives can be contacted. Both of these instances require the detection of either an object or face accompanied by generation of an alert. This can be realized by an object and face recognition and alert system.

Introduction

Systems for assisted living have become more and more significant in recent years. The shortage of nurses needed to monitor patients continuously and the older population's rapid rise are the major causes of this trend. Patient monitoring is one of the key elements of assisted living systems. Measurement and monitoring of physiological medical indicators, as well as remote observation of patients' movements, breathing, and other bodily functions, are all features of patient monitoring systems (PMS).

However, computer vision provides a supplementary monitoring method that uses non-contact based vision sensors or cameras. Such monitoring systems are important since they immediately monitor the physiological parameters. Vision-based PMS are being investigated as a means of assisting medical personnel in keeping an eye on patients and their activities because to falling prices and the ongoing downsizing of cameras.



THANK YOU!