



REVIEW ARTICLE

Technical Advances in Fall Detection System – A Review

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Abstract— Fall of patients and aged people is a serious issue. These kinds of falls may become fatal if unnoticed in time. The concept is to have a fall detection system which sends alarm to the concerned people or to the doctor, at the time of eventuality and helps to attend the patient in time. To minimize the fall and its related injuries continuous surveillance of patients and those who are prone to fall is necessary. Thus the requirement of a fall detector is increasing. In this paper we have reviewed history of fall detection system, different algorithms used to detect fall, different sensors used such as wearable sensor, combined sensors, ambient sensors and the application of each sensors is studied in detail. Image processing methods to detect fall are also studied.

Key Terms: - Fall detection system; Medical alarm; PERS

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