

Development of a System to Detect Falls from Hospital Beds and Prevent Injuries

Status:	Available
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Project Description

Falls from bed is a problem in hospitals and caring facilities which can causes severe injuries for patients, especially older adults and infants. The current detection and protection systems are not well developed to fully address this problem. One of the only commercially available devices to protect bed falls injuries is a pad that can be put beside the bed. One of the main problems with this pad is its high cost which makes it unaffordable for hospitals and caring facilities to be widely used for all the beds. Also, the pad doesn't provide an alert if falls happen. The goal of this capstone project is to build an intelligent detection and prevention system for this application. This system will benefit from a low cost cushioning technology that has already been developed and patented by SFU.