

It's common knowledge that as people get older their risks of mobility restriction increase. Those affected in their mobility have a tendency to stay inactive for long periods of time, as a consequence their physical fit deteriorates. The care givers in charge of this kind of elder people are not always aware of the amount of activity their patients have.

An electronic device designed to monitor the physical activity of elder people all day long could be an invaluable tool for care givers. They can use the monitor to determine if a specific patient needs more fitness or other kinds of physical activity and because of this they can improve or keep their quality of lifestyle.

Active Time Datalogger is a basic functional prototype device that could be used as a concept of the monitor exposed above. Its capacity to monitor the user's physical activity is based on an accelerometer with a basic calibration / setting. The data of the measurements acquired by the monitor can be sent to Azure for a posterior or real time, and remote analysis.