Mechanical therapy

Motivation

Many a times we encounter ailing old and injured people complaining about pain in their legs and all over their body. And the only way out is to physically go out to the physiotherapist which also turns out to be the main factor people deter to go also then they have to have a expensive session there (the second deterrent). So, We decided to make a device that can remediate impairments, promote mobility, function, and quality of life just as if a physiotherapist was standing there and carrying out the session.

Project description

A device that would have 3 mechanical joints each near the hips, knee and ankle to help facilitate motion of the joints during the session. It would also have a jacket to surround the whole leg and have small airsacs on the surface adjacent to the skin to stimulate a virtual massage carried by a programme.

Working

We would have code to use the airsacs to stimulate a massage and automated mechanical joints to facilitate the exercise as prescribed by the specialist.

Components required

Still have to decide the material used for the product's various components.
motor
battery
micro chip

Cost Estimate

Not more than 6k.

Members

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