Smart Clothing Research

In terms of technology that already exists there are already devices such as:

1. **Mood Sweater –** The GER mood sweater connects to sensors that read “excitement signals” from the hands of the wearer and then controls the colors of an RGB led strip located around the neck of the sweater. The point of this is to display one’s mood through one’s clothing. Different colors pertain to different temperaments. This is all controlled by the technology in the sweater and does not require a smartphone.

<http://sensoree.com/artifacts/ger-mood-sweater/>

2. **Heated Jackets** – such as the Milwaukee Power Tools Heated Jacket which retails for 159.99. It is powered by lithium ion batteries and lasts 6 hours on one charge. It is also waterproof. However, there are only 3 heat settings and this cannot be controlled by a smartphone.

<https://www.milwaukeetool.com/power-tools/cordless/2331>

3. **Smart Fitness Apparel –** by companies such as ATHOS which measure how intense a workout is, muscle activity, and also heartrate simultaneously. This information is relayed from the smart apparel worn by the user to a smartphone app. It can describe in detail which muscles are being targeted when working out.

<https://www.liveathos.com/>

4. **Co.alition Smart Backpack –** The Co.alition smart backpack is a backpack that integrates both power and wireless storage. It can connect to a phone or laptop wirelessly without internet and provide seamless storage. Also when devices are running low on charge, it can provide some charge.

<https://www.indiegogo.com/projects/co-alition-smart-backpacks#/>