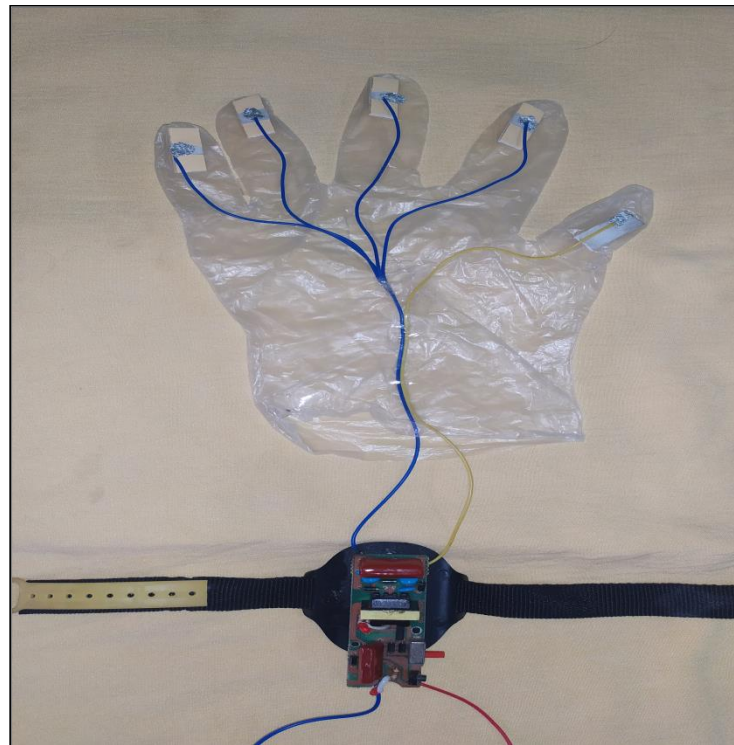# SHOCK GLOVES 1.O

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In today's scenario, personal safety has become an issue of importance for everyone, especially for women. Nowadays, women are working independently to support their families. They have to work till late at night in IT firms, BPO, call centres, etc. For such women, safety is the most important requirement because the cases of harassment and rapes are increasing. Safety in today's society is essential for everyone, regardless of who it is. Smart gloves are a good option for providing safety in this case. The smart glove is a portable device that is easy to carry and use. It is an electrical self-defence device that uses high voltage to stop an attacker. This project is designed for personal safety. The proposed smart glove is designed for safety purpose and its design is based on electric shock technology. The smart glove is an electroshock weapon. A common phenomenon of voltage electricity is an electrostatic coupling. This is the static voltage or charges impressed upon nearby equipment by an energized voltage line or bus. The electrical field that is created by the current in one conductor can induce voltages into nearby, otherwise de-energized conductors. Its principle based on a short circuit. In this project, we have used a capacitor, switch, small transformer, transistor, LED, rechargeable lithium ion battery, with band strap. The battery supply power to the transformer and transistor which acts as an amplifier. The voltage of the supply increases and current decreases in output, as it is a step-up transformer. Then the charge stored in the capacitor is released when the two terminals are shorted. And an electric shock is generated. The shock gloves with multiple functions such as active location sharing, alert message sent to the parents, waterproof.

. Figure 1: Snap short of SHOCK GLOVES 1.O