**Safety Gloves**

In industries usually the hands accidents happen, when the hands come in contact with the moving parts, which results in heavy injuries, amputations and deaths.In industries usually the hands accidents happen, when the hands come in contact with the moving parts, which results in heavy injuries, amputations and deaths. To tackle this problem workers in factories who are in close proximity to heavy machinery would be instructed to wear these gloves . As soon as the gloves are at a dangerously close distance, the machinery will automatically shut down, thus avoiding any damage or injuries.

The project consists of two parts – the transmitter end (glove) and the receiver end (machinery). At the transmitter end, our glove will have a hall effect sensor, which will detect if the hand is too close to the machinery, connected to an Arduino Uno. Also, there will be the Radio Transmitter connected to the Arduino Uno, to send a signal to the receiving part on the machine.

This is a wearable glove in which the arduino is on the wrist and hall effect sensor on the index finger.The magnetic hall effect sensor detects the magnetic field within a few seconds and shuts machinery when workers hand is 5-8mm away from it.